MUNICIPAL SETTING DESIGNATION APPLICATION (MSD)

ISMAILI CENTER HOUSTON

Prepared for:

IMARA HOUSTON, INC.
SUGAR LAND, TEXAS

Submitted to:

City of Houston - Houston Public Works - Houston Water Division

Prepared by:

WILD ASSOCIATES LLC

October 2022

WILD ASSOCIATES
Engineering & Environmental Consulting

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Municipal Setting Designation
Application Instructions

Pre-Application Meeting: While a pre-application meeting is not mandatory, it is strongly encouraged to discuss the specific details of the site. Please note: the City of Houston will not support a Municipal Settings Designation (MSD) application unless a Professional Geologist (P.G.) or Professional Engineer (P.E.) has certified that the groundwater plume is stable or decreasing, fully delineated, and the source has been removed. This statement should be supported with historical groundwater monitoring data showing the plume as stable or declining, and fully delineated.

Please contact Mark A. Wooten Jr. at (832) 394-9003, mark.wooten@houstontx.gov to schedule a pre-application meeting. Meetings will be held at 1002 Washington, Houston, TX 77002

Application Form: For the application to be complete please submit the following:

1) Two (2) hard copies of the application (the well logs are not necessary for the hard copies but should be included in the electronic copy). Please separate the application appendices with divider sheets that are tabbed.
2) An electronic portable digital file (pdf) of the application including all supporting material
3) An electronic Excel file with mailing addresses for water well owners and property owners. (Templates can be found on the MSD website, www.houstonmsd.org)

The MSD application process is governed by Chapter 47, Article XIII of the City of Houston's Code of Ordinances (ordinance number 2007-959, and amended by ordinance number 2010-556). Failure to use this application form may result in denial of the application.

Please note, the City ordinance requires the Professional Engineer (P.E.) or Professional Geologist (P.G.) who signed the application, or someone that is familiar with the application, and the applicant or their legal representative (attorney) to be present at public meeting and public hearing. Failure of the required parties in attendance at the public meeting and public hearing will result in having to schedule a new meeting or hearing.

The application should be clear, complete, concise, correct, contain only relevant information and be organized to facilitate analysis. Supporting documentation should be submitted as a separate appendix to the application, as noted (Label "Appendix__ ") for each numbered item.

Submittal: Submit the application form and all supporting information, along with an application fee of $3,400.00 (payable to City of Houston) to the address below. The applicant must also pay the cost of producing and mailing notices, (approximately $6.50 per certified mail and $1.50 per first-class mail), and any applicable venue costs (costs vary by location). Mailings are done through the U.S. Post Office's Click2Mail system. At the time of the mail outs, staff will require a credit card number to pay for processing and mailing the notices.

Mark A. Wooten Jr.
City of Houston MSD Program
1002 Washington, 3rd Floor
Houston, Texas 77002

CITY OF HOUSTON

HOUSTON PUBLIC WORKS
HOUSTON WATER DIVISION

Application for Approval of Municipal Setting Designation

APPLICANT INFORMATION

Applicant's Name: Imara Houston Inc.

☐Individual ☒Private Entity ☐Public Entity ☐Non-Profit Entity ☐Other _____

Address: 2323 Allen Parkway, Houston, TX 77019
(Street) (City) (State) (Zip)

Phone No.: 864-354-8596 Fax No.: _____

Email: Abdul.Javery@ImaraHouston.com

Contact Information

Name of Contact: Abdul Javery

Title: Executive Officer

Address: 1700 First Colony Boulevard Sugar Land TX 77479
(Street) (City) (State) (Zip)

Phone No.: 864-354-8596 Fax No.: _____

Email: Abdul.Javery@ImaraHouston.com

Application Preparation

Application Prepared by: Paul Wild

Company: Wild Associates, LLC

Address: 3120 Central Mall Drive Port Arthur TX 77642
(Street) (City) (State) (Zip)

Phone No.: 281-844-3747 Fax No.: _____

Email: paul.wild@wildassociates.net

SITE INFORMATION

Site HCAD No(s): 1262530010001

Site Name: RES A BLK 1, Village at Allen Parkway Sec 1

Site Size: 11.08 acres

Site Address: 2323 Allen Pkwy (Street) Houston (City) TX (State) 77019 (Zip)

(List all owners – additional sheet is attached, if needed)

Owner: Aga Khan Foundation USA

Owner Address: 1825 K St NW Ste 901 (Street) Washington (City) D.C. (State) 20006-1214 (Zip)

Name of Contact: Abdul Javery

Title: Executive Officer

Organization: Imara Houston Inc.

Phone No.: 864-354-8596 Fax No.: _____

Email: Abdul.Javery@ImaraHouston.com

Owner: _____

Owner Address: _____ (Street) (City) (State) (Zip)

Name of Contact: _____

Title: _____

Organization: _____

Phone No.: _____ Fax No.: _____

Email: _____

Owner: _____

Owner Address: _____ (Street) (City) (State) (Zip)

Name of Contact: _____

Title: _____

Organization: _____

Phone No.: _____ Fax No.: _____

Email: _____

Owner: _____

Owner Address: _____
(Street) (City) (State) (Zip)

Name of Contact: _____

Title: _____

Organization: _____

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Title: _____

Organization: _____

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Email: _____

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Name of Contact: _____

Title: _____

Organization: _____

Phone No.: _____ Fax No.: _____

Email: _____

Owner: _____

Owner Address: _____
(Street) (City) (State) (Zip)

Name of Contact: _____

Title: _____

Organization: _____

Phone No.: _____ Fax No.: _____

Email: _____

ITEM	COH Use
Executive Summary	
1. Provide a legal description of the boundaries of the designated property, including metes and bounds, and a copy of the deed for the property. A professional surveyor currently registered with the Texas Board of Professional Surveying must certify that all property descriptions with metes and bounds are accurate. ***Label "Appendix A"***	
2. A description of the current use and, to the extent known, the anticipated use(s) of the designated property and properties within 500 feet of the boundary of the designated property. ***Label "Appendix B"***	
3. A site map showing. a. The location of the designated property. b. The topography of the designated property as indicated on publicly available sources, which must note the watershed including the nearest surface water body and whether the designated property is located in a floodplain or floodway, as those terms are defined in Chapter 19 of the Code of Ordinances. c. The detected area of groundwater contamination. d. The location of all soil sampling locations and all groundwater monitoring wells. e. Groundwater gradients, to the extent known, and direction of groundwater flow. f. The ingestion protective concentration level exceedence zone for each contaminant of concern, to the extent known. g. Depth to groundwater for each affected zone. ***Label "Appendix C"***	
4. Provide for each contaminant of concern within the designated groundwater: a. A description of the ingestion protective concentration level exceedence zone and the non-ingestion protective concentration level exceedence zone, including a specification of the horizontal area and the minimum and maximum depth below ground surface. b. The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units. c. Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water). ***Label "Appendix D"***	
5. A table displaying the following information for each contaminant of concern, to the extent known: a. The maximum concentration level for soil and groundwater, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/kg for soils and mg/L for groundwater. b. The critical protective concentration level without the municipal setting designation, highlighting any exceedences. ***Label "Appendix E"***	

ITEM	COH Use Only
6. If the plume extends beyond the limits of property owners listed in this application, list the owners of the additional property beneath which the plume(s) extend(s), and a summary of interactions with those property owners about the plume(s) and this MSD application. Please Note: You are not required under this item to notify affected property owners, only to provide a summary of who affected property owners are, and if there have been any communications. "No contact" can be an acceptable answer. ***Label "Appendix F"***	
7. A statement as to whether the source of the plume has been removed, the plume of contamination is stable (i.e. no change) or contracting, and the plume is delineated, **with the basis for that statement**. Please include historical sampling data. ***Label "Appendix G"***	
8. A statement as to whether contamination on and off the designated property without a Municipal Setting Designation will exceed a residential assessment level as defined in the Texas Risk Reduction Program or analogous residential level set by EPA, if known, and the basis for that statement. ***Label "Appendix H"***	
9. A statement as to whether contamination on and off the designated property with a Municipal Setting Designation will exceed a residential assessment level as defined in the Texas Risk Reduction Program or analogous residential level set by EPA, if known, and the basis for that statement. ***Label "Appendix I"***	
10. Identification of the points of origin of the contamination, to the extent known. **Please list the Potentially Responsible Party (PRP), if unknown, state unknown. (*applications without the PRP listed will be deemed incomplete)*** ***Label "Appendix J"***	
11. Environmental regulatory actions, litigation, and plume identification. a. A description of any environmental regulatory actions that have been taken within the past five years in connection with the designated property, to the extent known. b. A description of any litigation that has taken place within the past five years in connection with the designated property, to the extent known. c. A statement as to whether there are any other remediation activities by the applicant, or any other party or agency, which are not listed in the application. *d.* A statement as to which contamination plume and groundwater zone the applicant is including in the MSD. ***Label "Appendix K"***	
12. A listing of all existing state or EPA registrations, permits, and identification numbers that applies to the designated property. ***Label "Appendix L"***	

ITEM	COH Use Only
13. Provide evidence that the designated property is currently or has previously been under the oversight of the TCEQ or the United States Environmental Protection Agency, as required by the Texas Health & Safety Code § 361.8065(c)(2)(A), and a description of the status of the designated property in the program (the program application number is sufficient evidence). Also, include the state or federal cleanup project manager's name. ***Label "Appendix M"***	
14. A summary of any environmental site assessment reports filed with TCEQ regarding any site investigations or response actions that are planned, ongoing or completed related to the designated property. ***Label "Appendix N"***	
15. A statement as to whether any public drinking water supply system exists that satisfies the requirements of Chapter 341 of the Texas Health and Safety Code and that supplies or is capable of supplying drinking water to the designated property and property within one-half mile of the designated property and the identity of each supply system. ***Label "Appendix O"***	
16. The name and address of each owner or operator of a water well registered or permitted by the state or the Houston-Galveston Subsidence District that is located within five miles of the boundary of the designated property, along with a map showing the location of each well and, to the extent known, a notation of whether each well is used for potable water. Well logs must be included in the electronic copy of the application, but should not be included in the hard copies. (An accompanying electronic excel file with mailing information should be included with your application.) ***Label "Appendix P"***	
17. The name and address of each retail public utility, as defined in section 13.002 of the Texas Water Code that owns or operates a groundwater supply well within five miles of the boundary of the designated property. ***Label "Appendix Q"***	
18. A listing of each municipality, other than the city of Houston, with a corporate limit within one-half mile of the boundary of the designated property. ***Label "Appendix R"***	
19. A listing of each municipality, other than the city of Houston, that owns or operates a groundwater supply well within five miles of the boundary of the designated property. ***Label "Appendix S"***	
20. A listing of owners of real property within 2,500 ft. of the boundary of the designated property as indicated by the most recent appraisal district records. Please Note: This requirement may include real property outside the City of Houston. Be sure to include **ALL** properties in the 2,500 ft. boundary. (An accompanying electronic excel file with mailing information should be included with your application.) ***Label "Appendix T"***	

ITEM	COH Use Only
21. Form U-2012-01 **signed and sealed** by a licensed professional engineer or licensed professional geoscientist authorized to practice in the State of Texas with expertise in environmental remediation. (Form U-2012-01 can be found at www.houstonmsd.org under the "Forms" section on the homepage.) Signing and sealing Form U-2012-01 certifies: a. The contaminants of concern from sources on the designated property or migrating from or through the designated property more likely than not [do exceed] OR [do not exceed] a non-ingestion protective concentration level on property beyond the boundaries of the designated property. (select the appropriate statement) b. All requirements of Section 47-762 of the Houston Code of Ordinances have been met, including demonstration that the groundwater contamination plume has been fully delineated and is stable or contracting in size ***Label "Appendix U"***	
22. If the licensed professional engineer or licensed professional geoscientist determines that contaminants of concern from sources on the designated property are migrating from or through the designated property more likely than not do exceed a non-ingestion protective concentration level on property beyond the boundary of the designated property, then the applicant must: a. Specify the name and address of the owner of each property. b. Send a copy of the application to the owner of the property with the notice of the public meeting. c. Provide documentation that the designated property has been included in a state or federal program that requires that the entire non-ingestion protective concentration level exceedence zone be addressed to the satisfaction of the agency administering the program, along with documentation of the estimated time period in which it is to be addressed. An example of such a program is the Texas Voluntary Cleanup Program (section 361.501 of the Texas Health and Safety Code, as may be amended from time to time). d. Provide documentation upon completion of the state or federal program showing that the non-ingestion protective concentration level exceedences have been addressed to the satisfaction of the agency administering the program. ***Label "Appendix V"***	
23. Form W-2012-01 **certified/signed** by the applicant and any authorized representatives of the applicant(s) listed in the application. (Form W-2012-01 is attached to the end of this application and can also be found at www.houstonmsd.org under the "Forms" section on the homepage.) ***Label "Appendix W"***	
24. Form X-2012-01 **signed** by the property owner or authorized agent (if an authorized agent, you must provide the legal authorization instrument). (Form W-2012-01 is attached to the end of this application and can also be found at www.houstonmsd.org under the "Forms" section on the homepage. ***Label "Appendix X"***	
25. A CD (or other devise) containing the pdf file of the application, Excel spreadsheet of water well owners and property owners for mailing notices, and the pdf file of the well log report. ***Label "Appendix Y"***	

EXECUTIVE SUMMARY

See following pages.

EXECUTIVE SUMMARY

Site Background and Environmental Setting

The Site consists of approximately 11.08 acres of grass-covered land within one (1) land parcel owned by Aga Khan Foundation U.S.A. (AKF-USA), with its local entity known as Imara Houston. The Site is to be developed into the Ismaili Center Houston (ICH), which will consist of an educational/cultural outreach building with landscaped grounds and below-ground parking. The Site is located in a high-rent district in downtown Houston and is surrounded by mixed-use, multi-family residential and commercial properties, a cemetery, and a public park between the Site and Buffalo Bayou, the major drainage feature within the City. Various studies conducted by Intertek PSI (PSI) in 2019 before the initiation of Wild Associates LLC's (WA) TCEQ Affected Property Assessment Report (APAR) indicated environmental risks associated with a former Houston Lighting & Power facility, former underground storage tanks, and a former rail spur.

The APAR was submitted to TCEQ on July 13, 2021. In a July 22, 2021 letter (attached), TCEQ requested that more soil sampling be conducted to evaluate metals and that more groundwater monitoring wells be installed. WA conducted the requested work and submitted APAR Addendum #1 on September 30, 2021. In an October 25, 2021 letter (attached), TCEQ requested additional wells to delineate off-site, impacted groundwater. WA conducted the requested work and submitted APAR Addendum #2 on June 30, 2022. In a July 22, 2022 letter (attached), TCEQ stated that (1) the impacted groundwater plume had been delineated, (2) TCEQ understands that AKF intends to develop a Response Action Plan that addresses soils with COCs above the Total-Soil-Combined PCLs using physical controls, and (3) the APAR cannot be approved until the MSD is approved by the City of Houston.

Exposure Pathway and Potential Receptor Summary

Preliminary to defining the extent of impact at the Site, an evaluation of potential receptors and exposure pathways was completed. The procedure eliminated ecological receptors and eliminated all exposure pathways except soils and groundwater.

The complete or reasonably expected to be complete pathways are Total-Soil-Combined, soil leaching to groundwater, and groundwater ingestion. The objective of this Municipal Setting Designation (MSD) application is to remove groundwater as a medium of concern for continual monitoring or remediation. Since groundwater will no longer be an exposure pathway of concern under this scenario, the soil leaching to groundwater pathway will not be a concern under Site development plans, leaving only the Total-Soil-Combined pathway for development of TCEQ critical Protective Concentration Levels (PCL). The data gathered for the APAR indicate that VOCs, TPH, and metals are COCs for soil and groundwater and are confined to the southern half of the Site within the footprint of the former HL&P facility. Groundwater VOCs have migrated off site to the east and west, but the potential for contact with humans is negligible, and the groundwater plume has been delineated. No utilities or sensitive ecological receptors have been impacted.

Assessment Results

The assessment indicated the following:

1. The Site has two tiers, i.e., the southern, upper tier is elevated about 10 ft above the northern, lower tier, as demarcated by an abrupt grade change near the center of the Site. The Groundwater Bearing Unit (GWBU) is contaminated with VOCs and arsenic above TCEQ Tier 1 Residential PCLs for established Chemicals of Concern (COC) in the upper tier of the Site beneath the footprints of the former HL&P facility and the Ismaili Center Houston. No non-aqueous phase liquids were encountered. The GWBU plume is stable and is being monitored biannually until the APAR and MSD application are approved; TCEQ has given tentative approval to the APAR, subject to the City approving this MSD application. The northern, southern, eastern, and western extents of the plume that define the Protective Concentration Exceedance Zone (PCLE) have been delineated. The dominant direction of flow is to the north and north-northwest toward Buffalo Bayou about 1,200 ft away, but there are lateral components to the east and west. The plume is expected to decrease through natural attenuation.

2. Certain metals and TPH exceed their respective soil leaching to groundwater Tier 1 Res PCLs. TPH exceeds the soil leaching to groundwater Tier 1 Res PCL in a former UST area where soils were excavated for a UST location survey conducted during a prior study; side and bottom samples indicated levels lower than Tier 1 Res PCLs, but the excavated soils were placed back into the excavation and are currently under construction fill material but will be paved over as an engineering control barrier for the future Response Action Plan. Metals and TPH PCLs are proposed for elimination as critical PCLs due to the proposed elimination of the GWBU as a pathway via the City's MSD program. Under this scenario, only metals exceeding the Total-Soil-Combined critical Tier 1 PCLs would remain as critical PCLs.

3. Certain metals exceed Total-Soil-Combined Tier 1 PCLs in very isolated areas of the Site, and their specific sources are unknown but could relate to fill material around the former rail spur and debris left from the demolition of the HL&P facility sometime between 2006 and 2008. The metals define the Total-Soil-Combined critical PCLs in the upper 5 ft considered surface soils in a Commercial/Industrial setting. The ongoing construction of the ICH building has removed much of the impacted soils; any remaining impacted soils will be included in a future Response Action Plan and Response Action Completion Report submitted to TCEQ.

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

Via Email

July 22, 2021

Mr. Abdul Javery
Imara Houston, Inc.
1700 First Colony Blvd.
Sugar Land, Texas 77098

Re: Comments and Request for Information
Affected Property Assessment Report, dated July 13, 2021
Ismaili Center Houston Site
2323 Allen Parkway, Houston, Harris County
T No. 3626, RN101891372, CN601032311

Dear Mr. Javery:

The Texas Commission on Environmental Quality (TCEQ) has reviewed the above-referenced Affected Property Assessment Report (APAR). Please see the comments and request for information below. The comments do not require a response. Please submit an APAR addendum, addressing the information requested, within 60 days from the date of this letter.

Comments

1. The TCEQ concurs that the critical protective concentration level (PCL) for metals in soils is the $^{Tot}Soil_{Combo}$ pathway. This is based on that there were no metals, other than arsenic, that exceeded a PCL in groundwater. The concentrations for arsenic in groundwater samples shown on the chemicals of concern (COCs) concentration figures and COCs concentrations summary tables are low enough to be naturally occurring. However, a much higher concentration of arsenic (0.61 mg/l) is shown on Table 5A. That concentration, if correct, would very likely not be naturally occurring.

2. Considering the size of the site and that lead, arsenic, and barium were reported with elevated concentrations at select locations, more sample locations are needed.

3. The only volatile organic chemical (VOC) to exceed the $^{GW}Soil_{Ing}$ PCL in soils was 1,1,2,2-tetrachloroethane at sample location SB-11. Since that chemical was not detected in the groundwater samples, the concentration does not exceed the critical PCL ($^{Tot}Soil_{Combo}$).

Request for Information

4. Per item 1 above, please clarify if the 0.61 mg/l concentration is correct.

5. Please delineate lead and arsenic in the vicinity of sample location EB-9 0-1 where they were reported with concentrations substantially above the critical PCL. At each new

sample location, samples should be collected from 0-1 and 1-2 feet below ground surface (bgs) and analyzed for arsenic and lead.

6. Per item 2 above, please complete more borings in locations that will provide adequate coverage of the site. At each boring location, please collect a soil sample from 0-1 and 1-2 feet bgs and analyze the samples for arsenic, barium, and lead.

7. Please install monitor wells approximately 100 feet north and south of MW-3 and near the property line to delineate VOCs. Please also install a well near MW-3 near the property line to determine if affected groundwater extends off-site.

8. Please install a monitor well south of MW-4 approximately 100 feet from MW-4 and near the property line to delineate VOCs. Please also install a well near MW-4 near the property line to determine if affected groundwater extends off-site.

Questions concerning this letter should be directed to me at (512) 239-2378. When responding by mail, please submit one paper copy and one electronic copy (on USB or disc) of all correspondence and reports to the TCEQ Remediation Division at Mail Code MC-127. An additional copy should be submitted in electronic format to the local TCEQ Region Office. The information in the reference block should be included in all submittals. Note that the electronic and hard copies should be identical, complete copies. A Correspondence ID Form (TCEQ Form 20428) must accompany each document submitted to the Remediation Division and should be affixed to the front of your submittal. The Correspondence ID Form helps ensure that your documents are identified correctly and are routed to the applicable program for a timely response.

Sincerely,

Mike Duffin, Ph.D., P.G.
Corrective Action, VCP-CA Section
Remediation Division
Texas Commission on Environmental Quality

cc: Ms. Alma Jefferson, Waste Section Manager, TCEQ Region 12 Office, Houston, via email

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

Via Email

October 25, 2021

Mr. Abdul Javery
Imara Houston, Inc.
1700 First Colony Blvd.
Sugar Land, Texas 77098

Re: Partial Approval with Comments and Request for Information
Affected Property Assessment Report Addendum, dated September 30, 2021
Ismaili Center Houston Site
2323 Allen Parkway, Houston, Harris County
T No. 3626, RN101891372, CN601032311

Dear Mr. Javery:

The Texas Commission on Environmental Quality (TCEQ) has reviewed the above-referenced Affected Property Assessment Report (APAR) addendum. Please see the request for information below. The comments do not require a response. Please submit a second APAR addendum that addresses off-site groundwater within 60 days from the date of this letter.

Comments

1. All request for information items given in the TCEQ's letter, dated July 22, 2021, have been adequately addressed.

2. A deed notice establishing commercial/industrial (C/I) land use will be required if C/I protective concentration levels will be used.

3. The information provided does not support that the on-site affected groundwater is due to an off-site source.

4. The information provided is not sufficient to demonstrate that the source for the affected groundwater at the site is located off-site.

Request for Information

5. Please delineate the affected groundwater off-site in the vicinity of MW-10 and MW-12. Please gain off-site access and install a well approximately 100 feet west of MW-10 and approximately 100 feet east of MW-12, sample the groundwater, and analyze the samples for volatile organic chemicals (VOCs). If the VOC concentrations in the off-site wells are substantially higher than those on-site, the TCEQ will likely conclude that the on-site

affected groundwater is from an off-site source. However, if those conditions do not exist, then additional off-site delineation wells may be required.

Questions concerning this letter should be directed to me at (512) 239-2378. When responding by mail, please submit one electronic copy (on USB or disc) of all correspondence and reports to the TCEQ Remediation Division at Mail Code MC-127. An additional copy should be submitted in electronic format to the local TCEQ Region Office. The information in the reference block should be included in all submittals. Note that the electronic and hard copies should be identical, complete copies. A Correspondence ID Form (TCEQ Form 20428) must accompany each document submitted to the Remediation Division and should be affixed to the front of your submittal. The Correspondence ID Form helps ensure that your documents are identified correctly and are routed to the applicable program for a timely response.

Sincerely,

Mike Duffin, Ph.D., P.G.
Corrective Action, VCP-CA Section
Remediation Division
Texas Commission on Environmental Quality

cc: Ms. Alma Jefferson, Waste Section Manager, TCEQ Region 12 Office, Houston, via email

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

Via Email

July 22, 2022

Mr. Abdul Javery
Imara Houston, Inc.
1700 First Colony Blvd.
Sugar Land, Texas 77098

Re: Comments and Request for Information
Requested Information – APAR Addendum #2, dated June 30, 2021
Ismaili Center Houston Site
2323 Allen Parkway, Houston, Harris County
T No. 3626, RN101891372, CN601032311

Dear Mr. Javery:

The Texas Commission on Environmental Quality (TCEQ) has reviewed the above-referenced Affected Property Assessment Report (APAR) Addendum. Please see the request for information below. The comments do not require a response.

Comments

1. In its October 25, 2022 letter, the TCEQ requested that affected groundwater be delineated off-site in the vicinity of MW-10 and MW-12.

2. Two monitor wells (MW-15 and MW-16) were installed in April 2022 off-site to establish delineation. For various reasons, the wells were installed at a substantial distance (approximately 600 feet) away from the site.

3. The chemicals of concern detected in the groundwater sample collected from MW-15 were some of the same chlorinated aliphatic hydrocarbons (CAHs) as those on-site. The concentrations for the CAHs were below the protective concentration levels (PCLs). The single chemical detected in the groundwater sample collected from MW-16 [p-isopropyl toluene (IT)] was reported at an estimated concentration below the PCL. IT is not present in on-site groundwater.

4. The TCEQ concurs that groundwater is delineated off-site.

5. The TCEQ understands that Imara Houston (Imara) intends to submit a Response Action Plan and propose to address the soils with COC concentrations above $^{Tot}Soil_{Comb}$ PCLs using building/parking garage concrete foundation as a physical control. Imara intends to address affected groundwater, both on-site and off-site, using a Municipal Settings Designation (MSD).

6. The TCEQ cannot approve the APAR until the MSD is approved by the COH.

Request for Information

7. Please provide a status update on October 1, 2022 concerning the proposed MSD.

8. Please complete semi-annual groundwater monitoring until a decision is made by the COH on the MSD application.

Questions concerning this letter should be directed to me Michael.Duffin@tceq.texas.gov. When responding by mail, please submit one electronic copy (on USB or disc) of all correspondence and reports to the TCEQ Remediation Division at Mail Code MC-127. An additional copy should be submitted in electronic format to the local TCEQ Region Office. The information in the reference block should be included in all submittals. Note that the electronic and hard copies should be identical, complete copies. A Correspondence ID Form (TCEQ Form 20428) must accompany each document submitted to the Remediation Division and should be affixed to the front of your submittal. The Correspondence ID Form helps ensure that your documents are identified correctly and are routed to the applicable program for a timely response.

Sincerely,

Mike Duffin, Ph.D., P.G.
Corrective Action, VCP-CA Section
Remediation Division
Texas Commission on Environmental Quality

cc: Ms. Alma Jefferson, Waste Section Manager, TCEQ Region 12 Office, Houston, via email

Appendix A

Provide a legal description of the boundaries of the designated property, including metes and bounds, and a copy of the deed for the property. A professional surveyor currently registered with the Texas Board of Professional Surveying must certify that all property descriptions with metes and bounds are accurate.

The following documents are included in this Appendix A:

- Site Survey Plat
- Site Special Warranty Deed

R:\PROJECTS\SCM\SCM18-T1\PLATTING\XREF\SCM18-5TPLT.DWG

STATE OF TEXAS
COUNTY OF HARRIS

We, AMERITON PROPERTIES INCORPORATED, a Maryland corporation, represented herein by Jeffry A. Jones, its President and Leslie S. Hamilton, its Administrative Assistant and ARTHUR GARFIELD ROBINSON AND MARIE LAVERNE ROBINSON REVOCABLE TRUST represented herein by Marie LaVerne Robinson, its Trustee, and Charles E. Robinson, its Assistant, hereinafter referred to as Owners of the 11.31 acre tract described in the above and foregoing map of VILLAGE AT ALLEN PARKWAY SEC. 1, do hereby make and establish said subdivision and development plan of said property according to all lines, dedications, restrictions and notations on said maps or plat and hereby dedicate to the use of the public forever, all streets (except those streets designated as private streets, or permanent access easements), alleys, parks, water courses, drains, easements and public places shown thereon for the purposes and considerations therein expressed; and do hereby bind ourselves, our heirs, successors and assigns to warrant and forever defend the title on the land so dedicated.

FURTHER, Owners have dedicated and by these presents do dedicate to the use of the public for public utility purposes forever unobstructed aerial easements. The aerial easements shall extend horizontally an additional eleven feet, six inches (11' 6") for ten feet (10' 0") perimeter ground easements or seven feet, six inches (7' 6") for fourteen feet (14' 0") perimeter ground easements or five feet, six inches (5' 6") for sixteen feet (16' 0") perimeter ground easements, from a plane sixteen feet (16' 0") above ground level upward, located adjacent to and adjoining said public utility easements that are designed with aerial easements (U.E. and A.E.) as indicated and depicted, hereon, whereby the aerial easement totals twenty one feet, six inches (21' 6") in width.

FURTHER, Owners have dedicated and by these presents do dedicate to the use of the public for public utility purpose forever unobstructed aerial easements. The aerial easements shall extend horizontally an additional ten feet (10' 0") for ten feet (10' 0") back-to-back ground easements, or eight feet (8' 0") for fourteen feet (14' 0") back-to-back ground easements or seven feet (7' 0") for sixteen feet (16' 0") back-to-back ground easements, from a plane sixteen feet (16' 0") above ground level upward, located adjacent to both sides and adjoining said public utility easements that are designed with aerial easements (U.E. and A.E.) as indicated and depicted hereon, whereby the aerial easement totals thirty feet (30' 0") in width.

FURTHER, Owners do hereby covenant and agree that all of the property within the boundaries of this plat is hereby restricted to prevent the drainage of any septic tanks into any public or private street, permanent access easement, road or alley or any drainage ditch, either directly or indirectly.

FURTHER, Owners do hereby dedicate to the public a strip of land fifteen (15) feet wide on each side of the center line of any and all bayous, creeks, gullies, ravines, draws, sloughs, or other natural drainage courses located in said plat, as easements for drainage purposes, giving the City of Houston, Harris County, or any other governmental agency, the right to enter upon said easement at any and all times for the purpose of construction and maintenance of drainage facilities and structures.

FURTHER, Owners do hereby covenant and agree that all of the property within the boundaries of this plat and adjacent to any drainage easement, ditch, gully, creek or natural drainage way shall hereby be restricted to keep such drainage ways and easements clear of fences, buildings, planting and other obstructions to the operations and maintenance of the drainage facility and that such abutting property shall not be permitted to drain directly into this easement except by means of an approved drainage structure.

FURTHER, Owners hereby certify that this replat does not attempt to alter, amend, or remove any covenants or restrictions; we further certify that no portion of the preceding plat was limited by deed restriction to residential use for not more than two (2) residential units per lot.

IN TESTIMONY WHEREOF, the AMERITON PROPERTIES INCORPORATED, a Maryland corporation, has caused these presents to be signed by Jeffry A. Jones, its President, thereunto authorized, attested by its Administrative Assistant Leslie S. Hamilton, this 18th day of October, 2004.

AMERITON PROPERTIES INCORPORATED
a Maryland corporation

By: Jeffry A. Jones
Printed Name: Jeffry A. Jones
Title: President

Attest: Leslie S. Hamilton
Printed Name: Leslie S. Hamilton
Title: Administrative Assistant

STATE OF Colorado
COUNTY OF Arapahoe

BEFORE ME, the undersigned authority, on this day personally appeared Jeffry A. Jones its President, and Leslie S. Hamilton its Administrative Assistant of AMERITON PROPERTIES INCORPORATED, a Maryland corporation, known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that they executed the same for the purposes and considerations therein expressed and in the capacity therein and herein stated and as the act and deed of said corporation.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 18 day of October, 2004.

Marvalene Swan
Printed Name: MARVALENE SWAN
Notary Public in and for the State of Colorado
Commission Expires: 6/25/06

IN TESTIMONY WHEREOF, the ARTHUR GARFIELD ROBINSON AND MARIE LAVERNE ROBINSON REVOCABLE TRUST, has caused these presents to be signed by Marie LaVerne Robinson, its Trustee, thereunto authorized, attested by Charles E. Robinson, its Assistant, this 29th day of SEPTEMBER, 2004.

ARTHUR GARFIELD ROBINSON AND MARIE LAVERNE ROBINSON
REVOCABLE TRUST

By: Marie LaVerne Robinson
Printed Name: Marie LaVerne Robinson
Title: Trustee

Attest: Charles E Robinson
Printed Name: Charles E. Robinson
Title: Assistant

MATCH LINE
MATCH LINE

STATE OF TEXAS
COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this day personally appeared Marie LaVerne Robinson its Trustee, and Charles E. Robinson its Assistant of ARTHUR GARFIELD ROBINSON AND MARIE LAVERNE ROBINSON REVOCABLE TRUST known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that they executed the same for the purposes and considerations therein expressed and in the capacity therein and herein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 29th day of SEPTEMBER, 2004.

RANDALL B. RICE
Notary Public
STATE OF TEXAS
My Comm. Exp. 07-07-2005

Randall B. Rice
Printed Name: RANDALL B. RICE
Notary Public in and for the State of TEXAS
Commission Expires: 07/07/05

I, Paul A. Jurica, Jr., am registered under the laws of the State of Texas to practice the profession of surveying and hereby certify that the above subdivision is true and correct; was prepared from an actual survey of the property made under my supervision on the ground; that all boundary corners, angle points, points of curvature and other points of reference have been marked with iron (or other suitable permanent metal) pipes or rods have an outside diameter of not less than three quarter (3/4) inch and a length of not less than three (3) feet; and that the plat boundary corners have been tied to the nearest survey corner.

STATE OF TEXAS
REGISTERED
9-22-04
PAUL A. JURICA, JR.
4264
PROFESSIONAL
LAND SURVEYOR

Paul A. Jurica, Jr.
Texas Registration No. 4264

This is to certify that the Houston Planning Commission of the City of Houston, Texas has approved this plat and subdivision of VILLAGE AT ALLEN PARKWAY SEC. 1, in conformance with the laws of the State of Texas and the ordinances of the City of Houston as shown hereon and authorized the recording of this plat this 15TH day of DEC., 2004.

By: M. Marvin Katz
M. Marvin Katz
Chairman

By: Robert M. Litke
Robert M. Litke
Secretary

I, Beverly B. Kaufman, Clerk of the County Court of Harris County, Texas, do hereby certify that the within instrument with its certificate of authentication was filed for registration in my office on Dec. 21, 2004, at 1:19 o'clock, P.M., and duly recorded on DEC. 22, 2004 at 9:15 o'clock; A M. and at Film Code No. 572259, of the Map Records of Harris County for said County.

Witness my hand and seal of office, at Houston, the day and date last above written.

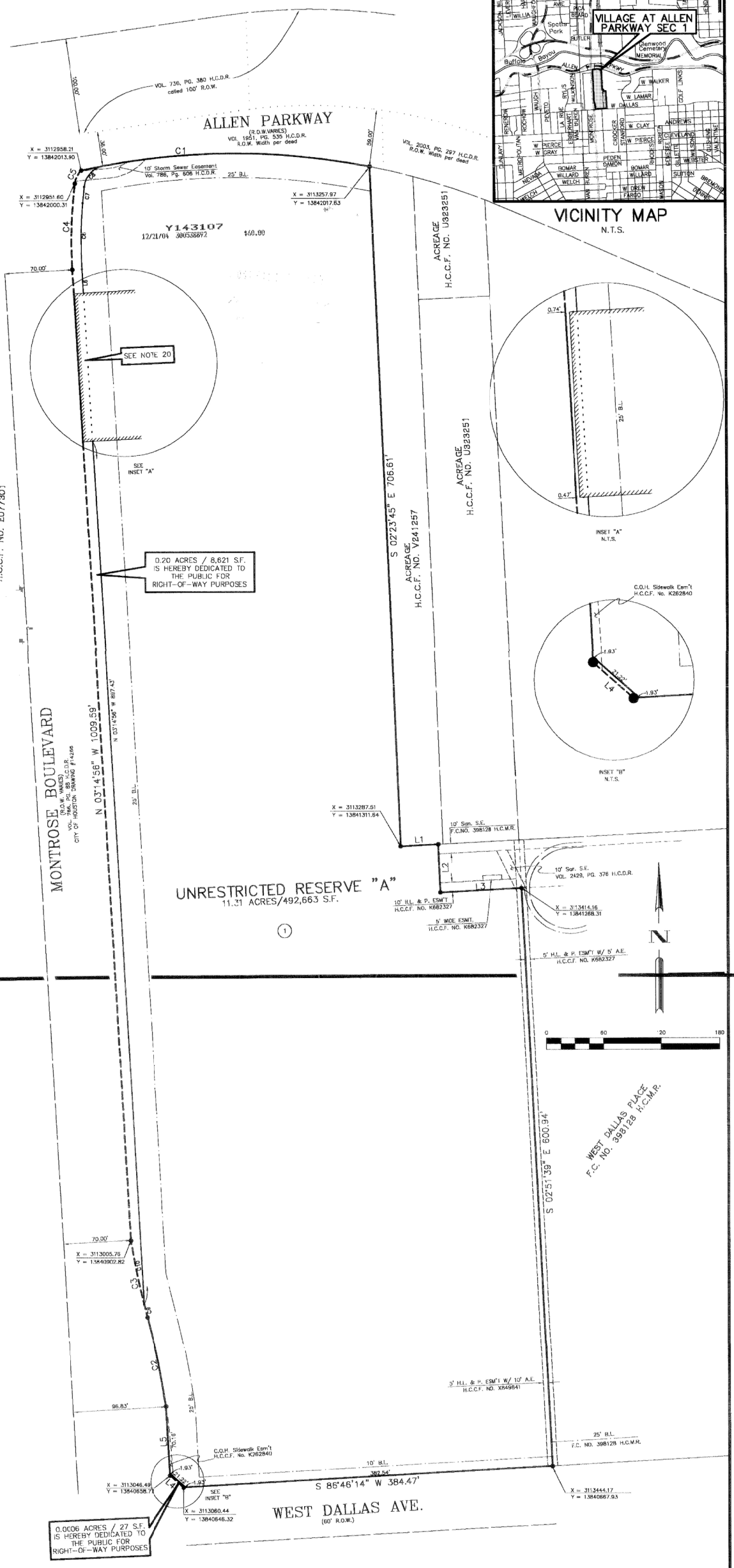
BEVERLY B. KAUFMAN
Beverly B. Kaufman
Clerk of the County Court
Harris County, Texas
By: Edwina V. Mack
Deputy EDWINA V. MACK

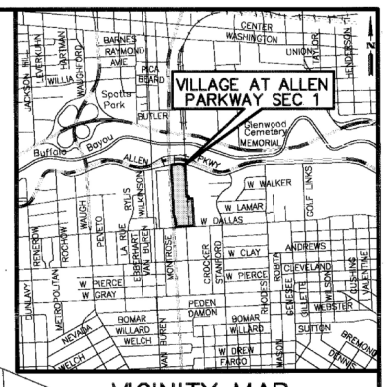
ANY PROVISION HEREIN WHICH RESTRICTS THE SALE, RENTAL, OR USE OF THE DESCRIBED REAL PROPERTY BECAUSE OF COLOR OR RACE IS INVALID AND UNENFORCEABLE UNDER FEDERAL LAW.

THIS CERTIFICATE IS VALID ONLY AS TO THE INSTRUMENT ON WHICH THE ORIGINAL SIGNATURE IS AFFIXED AND ONLY THEN TO THE EXTENT THAT SUCH INSTRUMENT IS NOT ALTERED OR CHANGED AFTER RECORDING.

GENERAL NOTES

1. "U. E." indicates "Utility Easement".
2. "B. L." indicates "Building Line".
3. "W. L. E." indicates "Water Line Easement".
4. "W. M. E." indicates "Water Meter Easement".
5. "F. H. E." indicates "Fire Hydrant Easement".
6. "SAN. S. E." indicates "Sanitary Sewer Easement".
7. "STM. S. E." indicates "Storm Sewer Easement".
8. "D. E." indicates "Drainage Easement".
9. "A. E." indicates "Aerial Easement".
10. "H. C. C. F." indicates Harris County Clerk's File Number.
11. "H. C. M. R." indicates Harris County Map Records.
12. "H. C. D. R." indicates Harris County Deed Records.
13. "O. P. R. O. R. P." indicates Official Public Records of Real Property.
14. The coordinate shown hereon are Texas South Central Zone no. 4204 State Plane Grid Coordinates (NAD83) and may be brought to surface by applying the following combined scale 1.0001062213.
15. The square footage value shown hereon is a mathematic value based upon the boundary data shown hereon. This value has no relation to the precision of closure of this survey or the position of corner monuments recovered or placed.
16. Unless otherwise indicated, the building lines [B.L.], whether one or more, shown on this subdivision plat are established to evidence compliance with the applicable provisions of Chapter 42, Code of Ordinances, City of Houston, in effect at the time this plat was approved, which may be amended from time to time.
17. Site Drainage Plans for the future development of this reserve must be submitted to the Harris County Flood Control District and the code enforcement division of Planning and Development Department of the City of Houston.
18. This tract is subject to Chapter 47, Article XII, Division 2, of the City of Houston's Code of Ordinances. Accordingly a Storm Water Quality Permit may need to be obtained before the issuance of any construction permit, as that term is defined in Division 2, for all or part of the tract.
19. Any additional structures or additions must adhere to the building line as shown on this plat. In addition, if the existing structure(s) is ever demolished, then any replacement structure(s) shall adhere to the building line shown on this plat.
20. If existing structure(s) is ever demolished, then this 0.035 AC. / 1,543 S.F. is hereby dedicated to the public for right-of-way purposes and any replacement structure(s) shall adhere to the building line shown on this plat.





VICINITY MAP
N.T.S.

CURVE DATA					
NUMBER	RADIUS	DELTA	ARC LENGTH (FT.)	CHORD BEARING	CHORD DISTANCE (FT.)
C1	729.39	23°43'03"	301.93	N 89°17'19" E	299.78
C2	774.44	06°59'23"	94.48	N 11°47'16" W	94.42
C3	789.47	05°55'44"	81.69	N 12°16'44" W	81.66
C4	493.50	10°24'50"	89.70	N 01°57'29" E	89.57
C5	23.50	37°31'01"	15.39	N 25°55'24" E	15.11
C6	483.50	08°09'47"	68.86	N 00°49'57" E	68.83
C7	483.50	02°00'14"	16.91	N 05°54'57" E	16.91
C8	25.00	70°27'30"	30.74	N 41°46'00" E	28.84
C9	789.47	01°01'36"	14.14	N 14°43'48" W	14.14
C10	789.47	04°54'08"	67.55	N 11°45'56" W	67.53

LINE DATA		
NUMBER	BEARING	DISTANCE
L1	N 86°57'14" E	40.02'
L2	S 02°22'06" E	50.00'
L3	N 86°57'14" E	84.73'
L4	N 48°14'56" W	18.49'
L5	N 03°14'56" W	71.96'
L6	N 03°14'56" W	24.64'

VILLAGE AT ALLEN PARKWAY SEC. 1

A SUBDIVISION OF 11.31 ACRES OF LAND
BEING A PARTIAL REPLAT OF LOT 7
AND ALL OF LOTS 1-6 OF THE
PIZZITOLA AND GRECCO SUBDIVISION
RECORDED IN VOL. 373, PG. 48, H.C.D.R.
ALSO BEING OUT OF LOTS 12 TO 16 IN BLOCK
2 OF THE HOLLINGSWORTH SUBDIVISION
LOCATED IN THE
JOHN AUSTIN SURVEY, A-1
CITY OF HOUSTON
HARRIS COUNTY, TEXAS

REASON FOR REPLAT: TO CREATE AN UNRESTRICTED RESERVE
1 RESERVE 1 BLOCK
SCALE: 1"=60' DATE: SEPTEMBER, 2004

OWNER:
AMERITON PROPERTIES INCORPORATED A MARYLAND CORP.
201 S. HEIGHTS BLVD., SUITE 1928
HOUSTON, TX 77007
(713) 863-9015

OWNER:
ARTHUR GARFIELD ROBINSON
AND MARIE LAVERNE ROBINSON
REVOCABLE TRUST

RECORDER'S MEMORANDUM:
At the time of recordation, this instrument was found to be inadequate for the best photographic reproduction because of illegibility, carbon or photo copy, discolored paper, etc. All blockouts, additions and changes were present at the time the instrument was filed and recorded.

BROWN & GAY ENGINEERS, INC.
CIVIL ENGINEERS & SURVEYORS
11490 WESTHEIMER, SUITE 700
HOUSTON, TEXAS 77077
(281) 558-8700

Return to: Harris, Harris
Chicago Title Insurance Company
700 So. Flower St.,
Suite 3305
Los Angeles, CA 90017

20060010147
08/30/2006 RP1 $48.00

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

9
WD

SPECIAL WARRANTY DEED

STATE OF TEXAS §
§ KNOW ALL PERSONS BY THESE PRESENTS THAT:
COUNTY OF HARRIS §

X

AMERITON PROPERTIES INCORPORATED, a Maryland corporation ("Grantor"), for and in consideration of the sum of Ten Dollars ($10.00) paid to Grantor and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has GRANTED, BARGAINED, SOLD, and CONVEYED and by these presents does hereby GRANT, BARGAIN, SELL and CONVEY unto AGA KHAN FOUNDATION U.S.A., a District of Columbia non-profit corporation ("Grantee"), whose mailing address is 1825 K Street, NW, Suite 901, Washington, D.C. 20006, the real property described in Exhibit A attached hereto, including the buildings and improvements located thereon and all appurtenances of the above-described real property, including (i) easements or rights-of-way relating thereto and (ii) without warranty, all right, title, and interest, if any, of Grantor in and to licenses, development rights, air rights, water rights, wastewater, fresh water, storm sewer or other utilities capacity or service commitments and allocations, offsite surface water retention commitments and allocations acquired by Grantor or any predecessor owner to serve such real property and any credits for any related capital recovery charges paid therefor by Grantor or any predecessor owner of such real property (whether constituting real or personal property), utility or other special tax district receivables and other rights to reimbursement in respect of such real property or any onsite or offsite improvements to it; and, without warranty, all right, title, and interest, if any, of Grantor in and to the land lying within any street, alley or roadway adjoining the real property described above or any vacated or hereafter vacated street, alley or roadway adjoining said real property (collectively, the "Property").

Lee

H2 826-52-4383

This conveyance is made and accepted subject to those matters set forth in Exhibit B attached hereto, but only to the extent that the same are validly existing and affect the Property (the "Permitted Exceptions").

TO HAVE AND TO HOLD the Property, subject to the Permitted Exceptions, unto Grantee and its successors and assigns forever; and, subject to the Permitted Exceptions, Grantor does hereby bind itself and its successors and assigns to warrant and forever defend the Property unto Grantee and its successors and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through or under Grantor, but not otherwise.

Ad valorem taxes with respect to the Property for the current year have been prorated as of the dated hereof. By acceptance of this deed, Grantee assumes and agrees to pay and indemnifies and agrees to hold Grantor harmless from and against all ad valorem taxes relating to the Property, for the current and all subsequent years, and for the current year and/or prior years arising out of a change in usage or ownership of the Property by Grantee on or after the

TNB2482

date hereof (including, without limitation, any rollback or other additional taxes payable under the terms of Section 23.46 or Section 23.55 of the Texas Tax Code, as amended, or similar laws); provided, however, that Grantor agrees to pay and indemnifies and agrees to hold Grantee harmless from and against any additional ad valorem taxes relating to the current year and/or prior years arising out of a change in usage or ownership of the Property by Grantor prior to the date hereof (including, without limitation, any rollback or other additional taxes payable under the terms of Section 23.46 or Section 23.55 of the Texas Tax Code, as amended, or similar laws).

[Remainder of Page Intentionally Left Blank]

RF 926-97-1384

IN WITNESS WHEREOF, this Special Warranty Deed has been executed by Grantor to be effective as of the date set forth below.

DATE: Aug 25, 2006

GRANTOR:

AMERITON PROPERTIES INCORPORATED, a Maryland corporation

By: _____
Name: Neil T Brown
Title: EVP

STATE OF Florida §
§
COUNTY OF Palm Beach §

This instrument was acknowledged before me on Aug. 25, 2006, by Neil T. Brown, EVP of AMERITON PROPERTIES INCORPORATED, a Maryland corporation, on behalf of said corporation.

Candice M. Redman
Notary Public

[Seal]

Candice M. Redman
MY COMMISSION # DD251430 EXPIRES
October 25, 2007
BONDED THRU TROY FAIN INSURANCE, INC.

RP 5226-92-1385

EXHIBIT A

(Legal Description of the Property)

[See Attached]

RP 826-97-1366

VILLAGE AT ALLEN PARKWAY
11.08 ACRES

JUNE 28, 2006
JOB NO. SCM16-T2
PAGE 1 OF 3

DESCRIPTION OF A 11.08 ACRE TRACT OF LAND SITUATED
IN THE JOHN AUSTIN SURVEY, ABSTRACT NO. 1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

BEING a 11.08 acre tract of land in the John Austin Survey, A-1, City of Houston, Harris County, Texas, and being all of the remainder of a called 11.31 acre tract of land described as Unrestricted Reserve "A" of Village at Allen Parkway Section 1, a subdivision of record under Film Code No. 572259 of the Harris County Map Records (H.C.M.R.), said 11.08 acre tract of land being more particularly described by metes and bounds as follows:

Bearing Orientation is based on the Texas State Plane Coordinate System (South Central Zone) NAD83.All distances given in the following description are surface values and may be converted to grid values by dividing by the combined adjustment factor of 1.0001062213.

BEGINNING at a 5/8-inch iron rod with cap stamped "BROWN & GAY" found for the southeast corner of said Unrestricted Reserve "A" and being in the northern right-of-way line of West Dallas Avenue (60-foot width);

THENCE, S 86°46'14" W, a distance of 382.54 feet along the said northern right-of-way line to a 5/8-inch iron rod with cap stamped BROWN & GAY set for a southerly cutback corner, from which a found 5/8-inch iron rod with cap stamped H.L.&P. bears S 85°55' W, 1.30 feet;

THENCE, N 48°14'56" W, a distance of 21.22 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for the northerly cutback corner and being in the eastern right-of-way line of Montrose Boulevard (width varies) as per City of Houston Drawing # 14266 and the plat recorded under Film Code No. 572259 of the H.C.M.R.;

THENCE, along the eastern right-of-way of said Montrose Boulevard and the west lines of the herein described tract the following ten (10) courses:

N 03°14'56" W, a distance of 70.02 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for the point of curvature of a curve to the left;

In a northwesterly direction, 94.48 feet along the arc of said curve to the left having a radius of 774.44 feet, a central angle of 06°59'23" and whose chord bears N 11°47'16" W, 94.42 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for the point of reverse curvature;

In a northwesterly direction, 14.14 feet along the arc of a curve to the right having a radius of 789.47 feet, a central angle of 01°01'34" and whose chord bears N 14°43'48" W, 14.14 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for the end of said curve;

N 03°14'56" W, a distance of 897.43 feet to a point for corner at the edge of an existing building;

S 86°45'04" W, a distance of 10.00 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for corner;

N 03°14'56" W, a distance of 154.30 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for corner;

N 86°45'04" E, a distance of 10.00 feet to a point for corner at the edge of an existing building;

N 03°14'56" W, a distance of 24.64 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for the point of curvature of a curve to the right;

In a northeasterly direction, 85.79 feet along the arc of said curve to the right having a radius of 483.50 feet, a central angle of 10°10'01" and whose chord bears N 01°50'04" E, 85.68 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY set for the point of compound curvature of a curve to the right;

In a northeasterly direction, 30.74 feet along the arc of said curve to the right having a radius of 25.00 feet, a central angle of 70°27'30" and whose chord bears N 41°46'00" E, 28.84 feet a 5/8-inch iron rod with cap stamped BROWN & GAY set for the most northerly northwest corner of the herein described tract and being in the southern right-of-way line of Allen Parkway (width varies) as described in Volume 736, Page 380 and Volume 1951, Page 535 of the Harris County Deed Records (H.C.D.R.);

THENCE, along said southern right-of-way and the north line of the herein described tract 279.19 feet along the arc of a curve to the right having a radius of 729.39 feet, a central angle of 21°55'52" and whose chord bears S 89°49'05" E, 277.49 feet to a 5/8-inch iron rod with cap stamped BROWN & GAY found for the northeast corner of the herein described tract and the northwest corner of a called 7.353 acre tract being ZOM HOUSTON, a subdivision of record under Film Code No. 560006 of the H.C.M.R.;

THENCE, S 02°23'45" E, along the line common to said Unrestricted Reserve "A" and said 7.353 acre tract 706.61 feet to a 5/8-inch iron rod with cap stamped "BROWN & GAY" found for the southwest corner of said 7.353 acre tract and being an interior ell corner of said Unrestricted Reserve "A";

THENCE, N 86°57'14" E, a distance of 40.02 feet to a 5/8-inch iron rod with cap stamped "BROWN & GAY" set for an exterior ell corner of said Unrestricted Reserve "A";

THENCE, S 02°22'06" E, a distance of 50.00 feet to a 5/8-inch iron rod with cap stamped "BROWN & GAY" set for an interior ell corner of said Unrestricted Reserve "A";

THENCE, N 86°57'14" E, a distance of 84.73 feet to a 5/8-inch iron rod with cap stamped "BROWN & GAY" set for the most easterly northeast corner of said Unrestricted Reserve "A" and the northwest corner of West Dallas Place, a subdivision of record under Film Code No. 398128 of the H.C.M.R.;

RP 826-97-1388

THENCE, S 02°51'39" E, a distance of 600.94 feet along the line common to said Unrestricted Reserve "A" and said West Dallas Place to the **POINT OF BEGINNING** and containing 11.08 acres of land.

This metes and bounds description was prepared in conjunction with an on the ground survey during the month of June, 2006.

Larry E. Grayson RPLS No. 5071
Brown & Gay Engineers, Inc.
11490 Westheimer Road, Suite 700
Houston, Texas 77077
Telephone: (281) 558-8700

Revised 08/23/06

KP 826-92-1389

R:Projects\SCM\Scm16-T2\Admin\11_08MB1.doc

EXHIBIT B

(Permitted Exceptions)

1. Standby fees, taxes and assessments by any taxing authority for the year 2006, and subsequent years; and subsequent taxes and assessments by any taxing authority for prior years due to change in land usage or ownership by Grantee on or after the date hereof.

2. Restrictive covenants contained in the map filed for record in Film Code No. 572259 of the Map Records of Harris County, Texas.

3. A sidewalk and utility easement granted to the City of Houston by instrument filed for record under County Clerk's File No. K262840 of the Official Public Records of Real Property of Harris County, Texas.

4. Storm sewer easement granted to the City of Houston, as located and defined by instrument recorded in Volume 786, Page 606 of the Map Records of Harris County, Texas, and as reflected by the map filed for record in Film Code No. 572259 of the Map Records of Harris County, Texas.

5. Building set back line twenty-five (25) feet in width along the north property line, as reflected by the map filed for record in Film Code No. 572259 of the Map Records of Harris County, Texas.

6. Encroachment of building into the building set back line described in item 5 above.

7. Building set back line twenty-five (25) feet in width along the portion of the property dedicated for the widening of Montrose Blvd., as reflected by the map filed for record in Film Code No. 572259 of the Map Records of Harris County, Texas.

8. Encroachment of three buildings into the building set back line described in item 7 above.

9. Building set back line fifteen (15) feet in width along the south property line, as reflected by the map filed for record in Film Code No. 572259 of the Map Records of Harris County, Texas.

10. Improvements extend over the area dedicated for the widening of Montrose Blvd., as shown on the map filed for record in Film Code No. 572259 of the Map Records of Harris County, Texas.

11. An easement five (5) feet in width along the most Easterly line of the subject property together with an unobstructed aerial easement ten (10) feet wide, from a plane twenty (20) feet above the ground upward located adjacent to said five (5) foot wide easement as reserved by Centerpoint Energy Houston Electric, LLC, a Texas limited liability company, as set forth in instrument recorded under Harris County Clerk's File No. X849841 and as reflected by the map filed for record in Film Code No. 572259 of the Map Records of Harris County, Texas.

RP-326-97-1318

12. 10' sanitary sewer easement off the easterly side of the property, Volume 2429, Page 376 Deed Records of Harris County, Texas.

13. Encroachment of chain link fence into Montrose Blvd. along the west side of the property.

14. All oil, gas and other minerals, the royalties, bonuses, rentals and all other rights in connection with the same are excepted herefrom as reserved in deed filed for record under County Clerk's File No. P609474 of the Official Public Records of Real Property of Harris County, Texas.

RP 026-97-1311

FILED

06 AUG 30 PM 3:14

Beverly B. Kaufman

COUNTY CLERK
HARRIS COUNTY, TEXAS

ANY PROVISION HEREIN WHICH RESTRICTS THE SALE, RENTAL, OR USE OF THE DESCRIBED REAL PROPERTY BECAUSE OF COLOR OR RACE IS INVALID AND UNENFORCEABLE UNDER FEDERAL LAW.
THE STATE OF TEXAS
COUNTY OF HARRIS
I hereby certify that this instrument was FILED in File Number Sequence on the date and at the time stamped hereon by me; and was duly RECORDED. In the Official Public Records of Real Property of Harris County, Texas on

AUG 30 2006

COUNTY COURT OF HARRIS COUNTY TEXAS

Beverly B. Kaufman

COUNTY CLERK
HARRIS COUNTY, TEXAS

Appendix B

A description of the current use and, to the extent known, the anticipated use(s) of the designated property and properties within 500 feet of the boundary of the designated property.

The Site originally consisted of approximately 11.08 acres of grass-covered land within one (1) land parcel owned by Aga Khan Foundation U.S.A. (AKF-USA). The Site is being developed into the Ismaili Center Houston (ICH), which will consist of an educational/cultural outreach building with landscaped grounds and below-ground parking. The Site is located in a high-rent district in downtown Houston and is surrounded by mixed-use, multi-family residential and commercial properties within 500 ft to the east, west and, south; a cemetery directly to the east; and a public park directly to the north between the Site and Buffalo Bayou, the major drainage feature within the City. With the exception to the multi-family properties immediately to the east, the properties to north, south, and west are separated from the Site with public streets.

Before acquisition by AKF, the Site was owned and operated by various commercial and/or industrial entities. As stated by PSI in their April 30, 2019 Phase I ESA report:

> The site was developed by 1925 with multiple dwelling structures on the southeastern portion and Smith Brothers Concrete Mixing & Asphalt MFG. By the early 1950s, the Houston Lighting & Power Co. [HL&P] occupied the southwestern portion, multiple dwelling structures occupied the southeastern portion and Sears - Roebuck& Co. occupied the northern portion. Houston Lighting & Power Co. was noted with a "filling station" and repair shop on the western boundary of the site. By the late 1960s, the southern portion remains occupied by Houston Lighting & Power Co. with the dwelling structures now demolished and occupied with parking areas. The northern portion of the site was occupied by the Robinson Public Warehouse Co. in the late 1960s. These structures remained relatively unchanged with similar activities conducted until the early 2000s. By 2008, all structures were demolished and the site was noted as grass-covered land.

PSI also noted a rail spur along the eastern boundary of the Site and stated that the HL&P facility had been assigned a Solid Waste Registration number by the Texas Commission on Environmental Quality (TCEQ). TCEQ granted HL&P closure with No Further Action with respect to monitoring or remediation of hazardous materials, indicating that TCEQ considered the Site closed for further regulatory action. PSI noted the following ASTM-defined recognized environmental conditions:

> Although granted Final concurrence by the TCEQ, the decades of fuel tank usage, repair facilities and unknown housekeeping practices of prior occupants, the historical activities at the site are considered a REC. This assessment has revealed the following evidence of RECs in connection with the subject property.
>
> - Railroad spur identified on the eastern portion of the site, from the early 1920s until the mid-1990s.
> - Prior PCB storage associated with the Houston Lighting & Power, located on the site from the early 1950s until the early 2000s.

- Identification of two (2) 250-gallon USTs "filled in place” and listed as installed in 1952 until approximately 1989.

The RECs discovered by PSI served as the basis for the rationale for conducting the TCEQ APAR.

Appendix C

A site map showing:

a. The location of the designated property.

b. The topography of the designated property as indicated on publicly available sources, which must note the watershed including the nearest surface water body and whether the designated property is located in a floodplain or floodway, as those terms are defined in Chapter 19 of the Code of Ordinances.

c. The detected area of groundwater contamination.

d. The location of all soil sampling locations and all groundwater monitoring wells.

e. Groundwater gradients, to the extent known, and direction of groundwater flow.

f. The ingestion protective concentration level exceedance zone for each contaminant of concern, to the extent known.

g. Depth to groundwater for each affected zone.

Attached appendices retain their APAR designation, if applicable. Otherwise, Appendix C denotes MSD specific appendices.

a. Figure 1A: On-Site Property Map
b. Appendix C-1 – FEMA Flood Plain Map
   Appendix C-2 – Topographic Map
   Appendix C-3 – Watershed Map
c. Figure 5B-2.1 – Groundwater COC Concentration Map – VOC – mg/L
   Figure 5B-2.2 – Groundwater COC Concentration Map – VOC – mg/L – Hydropunch Holes Only
d. Figure 1B-1 – Affected Property Map – North
   Figure 1B-2 – Affected Property Map – South
   Figure 1B-3 – Affected Property Map – New MWs & Hydropunch Holes Only
e. Figure 5A: Groundwater Gradient Map
f. Figure 5B-2.3 – Groundwater COC Concentration Map – VOC – mg/L PCLE Zone
   Figure 5B-2.4 – Groundwater COC Concentration Map – VOC – mg/L PCLE Zone w/ Proposed Building Footprint
g. Figure 4C – Geologic Cross Section
   Table 5D – Groundwater Measurement Summary

The groundwater monitoring program resulted in 16 wells that were sampled at least twice but for the majority at least four times over quarterly events. Where wells have been sampled less than four times, it is because they have become dry through construction dewatering or through inaccessibility caused by construction work. The off-site wells have been sampled twice, and all

remaining on-site wells will be monitored along with off-site wells semiannually per TCEQ instructions. A summary of the status of the wells is presented as follows:

MW-1: destroyed or covered with construction materials

MW-2: Plugged &Abandoned (P&A'd)

MW-3: P&A'd

MW-4: destroyed or covered with construction materials

MW-5: destroyed or covered with construction materials

MW-6: dry from construction dewatering

MW-7: P&A'd

MW-8: P&A'd

MW-9: P&A'd

MW-10: dry from construction dewatering

MW-11: accessible but inaccessible on more recent events due to construction work; dewatering impacts unknown.

MW-12: P&A'd

MW-13: P&A'd

MW-14: P&A'd

MW-15: off-site well

MW-16: off-site well

Figure 1A: On-Site Property Map
Source: Google Earth: December 3, 2018

Scale: 1" ≈ 500 ft

N

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Engineering & Environmental Consulting

Project No.: 20.01.013

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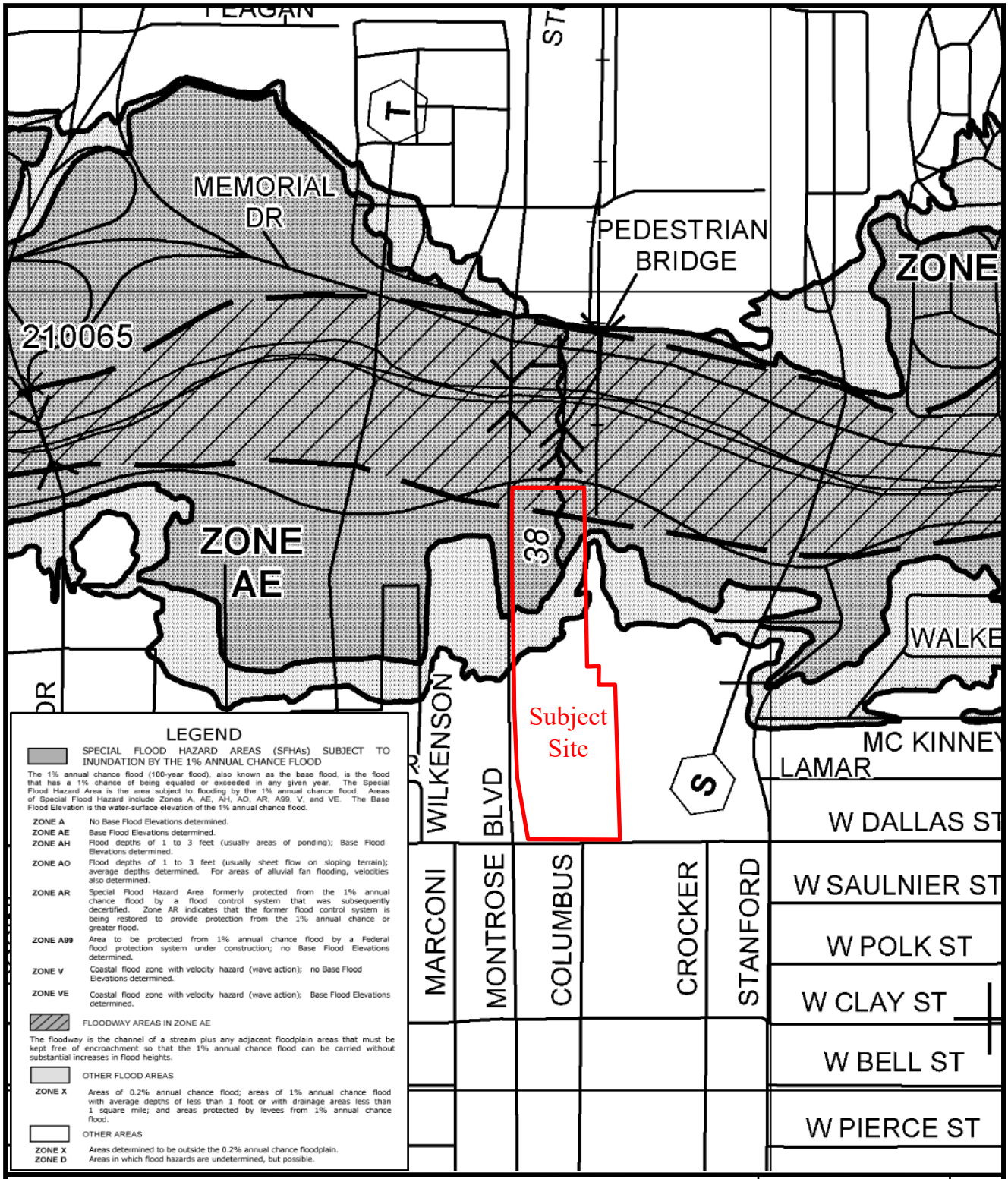
Sugar Land, Texas



Appendix C-1 – FEMA Flood Plain Map

Source: FIRM No. 48201C0670M

Scale: 1" ≈ 800 ft

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Appendix C-2 – Topographic Map
Source: USGS Houston Heights Quadrangle 2022

Scale:
1” ≈ 400 ft

N

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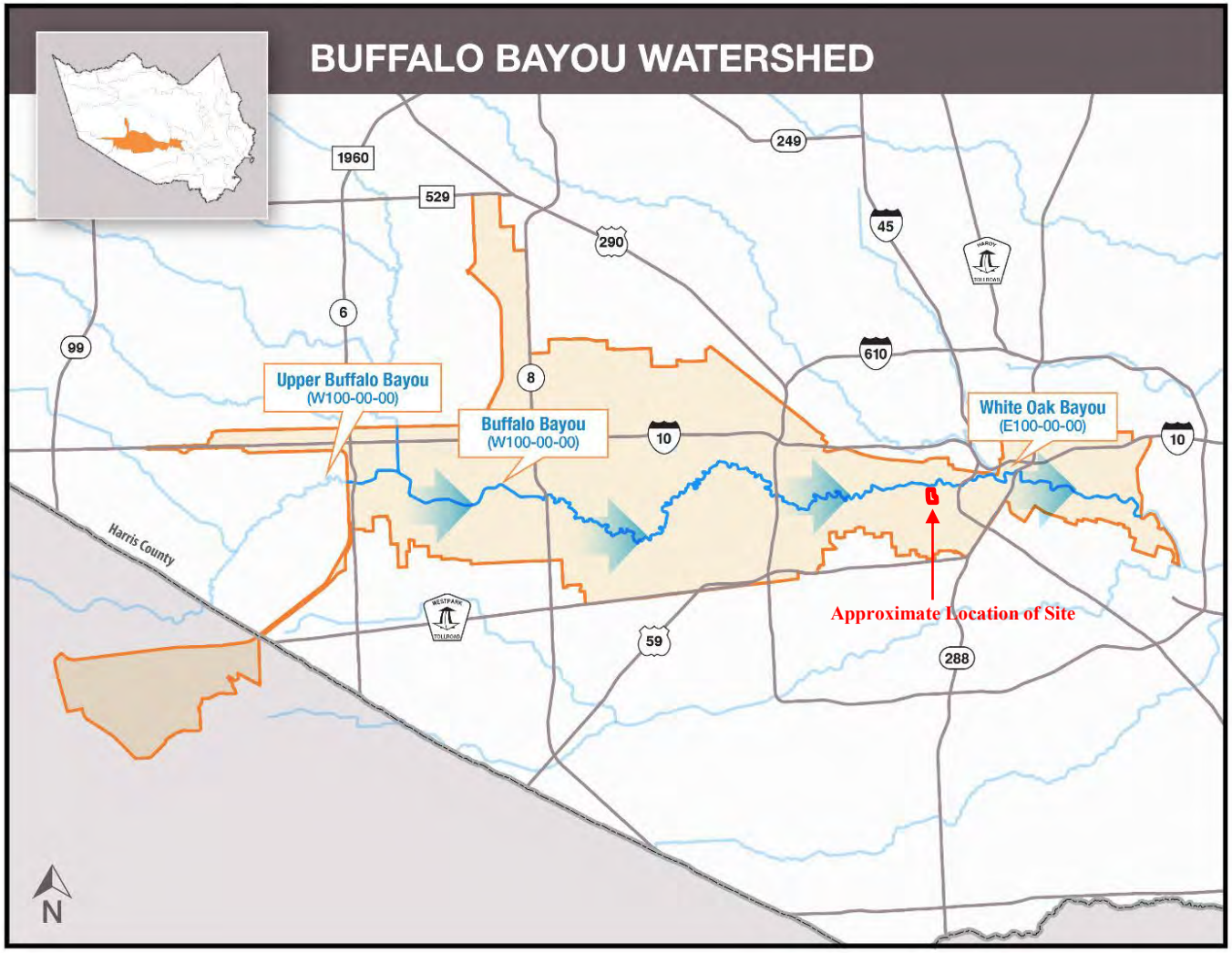

Appendix C-3 – Watershed Map

Source: https://www.hcfcd.org/Portals/62/Watershed/Buffalo/Buffalo%20Bayou.jpg?ver=2018-08-14-122825-420

Scale: NTS

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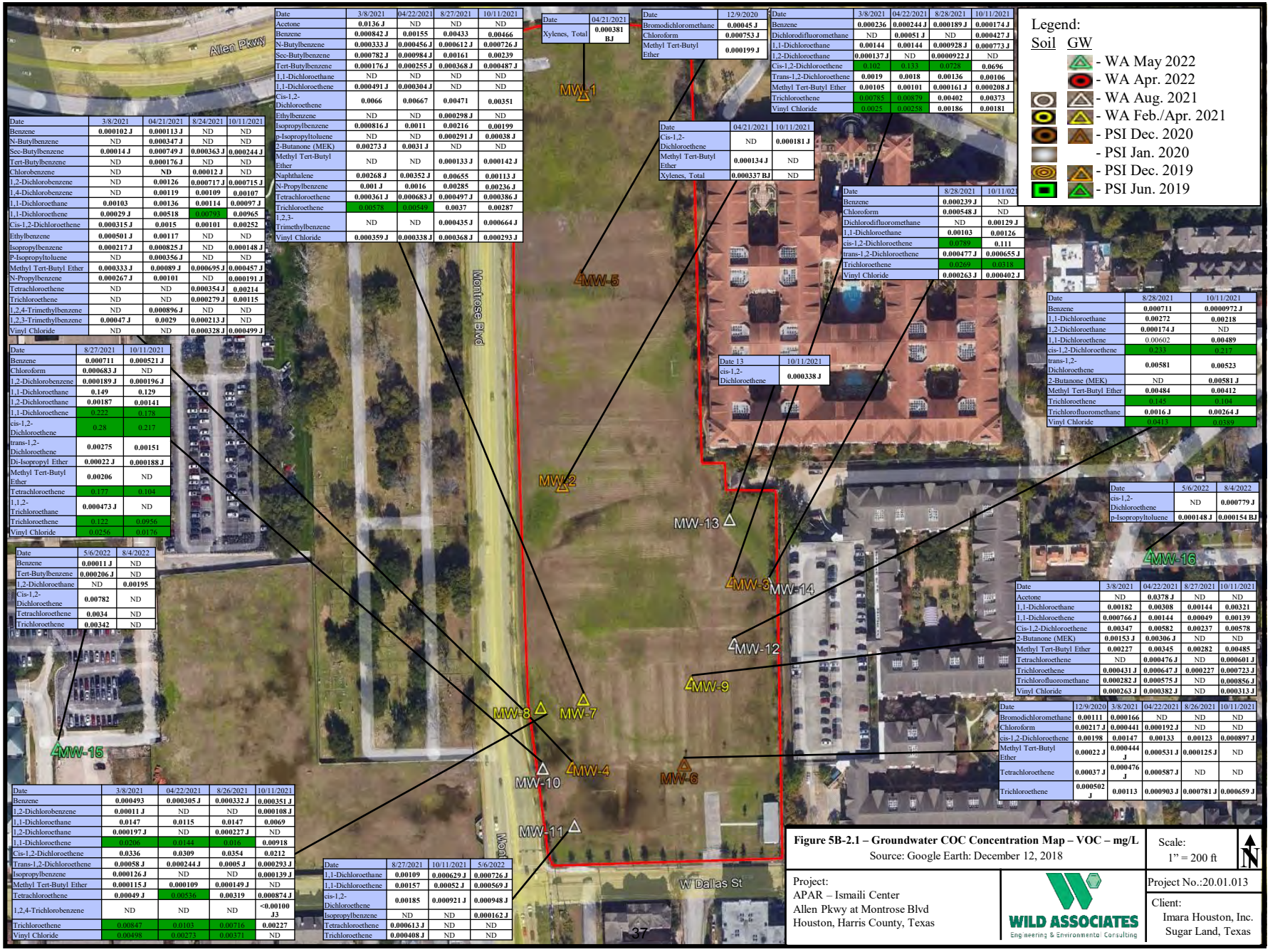

Date	3/8/2021	04/21/2021	8/24/2021	10/11/2021
Benzene	0.000102 J	0.000113 J	ND	ND
N-Butylbenzene	ND	0.000347 J	ND	ND
Sec-Butylbenzene	0.00014 J	0.000749 J	0.000363 J	0.000244 J
Tert-Butylbenzene	ND	0.000176 J	ND	ND
Chlorobenzene	ND	ND	0.00012 J	ND
1,2-Dichlorobenzene	ND	0.00126	0.000717 J	0.000715 J
1,4-Dichlorobenzene	ND	0.00119	0.00109	0.00107
1,1-Dichloroethane	0.00103	0.00136	0.00114	0.00097 J
1,1-Dichloroethene	0.00029 J	0.00518	0.00793	0.00965
Cis-1,2-Dichloroethene	0.000315 J	0.0015	0.00101	0.00252
Ethylbenzene	0.000501 J	0.00117	ND	ND
Isopropylbenzene	0.000217 J	0.000825 J	ND	0.000148 J
P-Isopropyltoluene	ND	0.000356 J	ND	ND
Methyl Tert-Butyl Ether	0.000333 J	0.00089 J	0.000695 J	0.000457 J
N-Propylbenzene	0.000267 J	0.00101	ND	0.000191 J
Tetrachloroethene	ND	ND	0.000354 J	0.00214
Trichloroethene	ND	ND	0.000279 J	0.00115
1,2,4-Trimethylbenzene	ND	0.000896 J	ND	ND
1,2,3-Trimethylbenzene	0.00047 J	0.0029	0.000213 J	ND
Vinyl Chloride	ND	ND	0.000328 J	0.000499 J

Date	8/27/2021	10/11/2021
Benzene	0.000711	0.000521 J
Chloroform	0.000683 J	ND
1,2-Dichlorobenzene	0.000189 J	0.000196 J
1,1-Dichloroethane	0.149	0.129
1,2-Dichloroethane	0.00187	0.00141
1,1-Dichloroethene	0.222	0.178
cis-1,2-Dichloroethene	0.28	0.217
trans-1,2-Dichloroethene	0.00275	0.00151
Di-Isopropyl Ether	0.00022 J	0.000188 J
Methyl Tert-Butyl Ether	0.00206	ND
Tetrachloroethene	0.177	0.104
1,1,2-Trichloroethane	0.000473 J	ND
Trichloroethene	0.122	0.0956
Vinyl Chloride	0.0256	0.0176

Date	5/6/2022	8/4/2022
Benzene	0.00011 J	ND
Tert-Butylbenzene	0.000206 J	ND
1,2-Dichloroethane	ND	0.00195
Cis-1,2-Dichloroethene	0.00782	ND
Tetrachloroethene	0.0034	ND
Trichloroethene	0.00342	ND

Date	3/8/2021	04/22/2021	8/26/2021	10/11/2021
Benzene	0.000493	0.000305 J	0.000332 J	0.000351 J
1,2-Dichlorobenzene	0.00011 J	ND	ND	0.000108 J
1,1-Dichloroethane	0.0147	0.0115	0.0147	0.0069
1,2-Dichloroethane	0.000197 J	ND	0.000227 J	ND
1,1-Dichloroethene	0.0206	0.0144	0.016	0.00918
Cis-1,2-Dichloroethene	0.0336	0.0309	0.0354	0.0212
Trans-1,2-Dichloroethene	0.00058 J	0.000244 J	0.0005 J	0.000293 J
Isopropylbenzene	0.000126 J	ND	ND	0.000139 J
Methyl Tert-Butyl Ether	0.000115 J	0.000109	0.000149 J	ND
Tetrachloroethene	0.00049 J	0.00458	0.00319	0.000874 J
1,2,4-Trichlorobenzene	ND	ND	ND	<0.00100 J3
Trichloroethene	0.00847	0.0103	0.00716	0.00227
Vinyl Chloride	0.00498	0.00373	0.00371	ND

Date	3/8/2021	04/22/2021	8/27/2021	10/11/2021
Acetone	0.0136 J	ND	ND	ND
Benzene	0.000842 J	0.00155	0.00433	0.00466
N-Butylbenzene	0.000333 J	0.000456 J	0.000612 J	0.000726 J
Sec-Butylbenzene	0.000782 J	0.000984 J	0.00161	0.00239
Tert-Butylbenzene	0.000176 J	0.000255 J	0.000368 J	0.000487 J
1,1-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	0.000491 J	0.000304 J	ND	ND
Cis-1,2-Dichloroethene	0.0066	0.00667	0.00471	0.00351
Ethylbenzene	ND	ND	0.000298 J	ND
Isopropylbenzene	0.000816 J	0.0011	0.00216	0.00199
p-Isopropyltoluene	ND	ND	0.000291 J	0.00038 J
2-Butanone (MEK)	0.00273 J	0.0031 J	ND	ND
Methyl Tert-Butyl Ether	ND	ND	0.000133 J	0.000142 J
Naphthalene	0.00268 J	0.00352 J	0.00655	0.00113 J
N-Propylbenzene	0.001 J	0.0016	0.00285	0.00236 J
Tetrachloroethene	0.000361 J	0.000683 J	0.000497 J	0.000386 J
Trichloroethene	0.00578	0.00549	0.0037	0.00287
1,2,3-Trimethylbenzene	ND	ND	0.000435 J	0.000664 J
Vinyl Chloride	0.000359 J	0.000338 J	0.000368 J	0.000293 J

Date	04/21/2021
Xylenes, Total	0.000381 BJ

Date	12/9/2020
Bromodichloromethane	0.00045 J
Chloroform	0.000753 J
Methyl Tert-Butyl Ether	0.000199 J

Date	3/8/2021	04/22/2021	8/28/2021	10/11/2021
Benzene	0.000236	0.000244 J	0.000189 J	0.000174 J
Dichlorodifluoromethane	ND	0.00051 J	ND	0.000427 J
1,1-Dichloroethane	0.00144	0.00144	0.000928 J	0.000773 J
1,2-Dichloroethane	0.000137 J	ND	0.0000922 J	ND
Cis-1,2-Dichloroethene	0.102	0.133	0.0728	0.0696
Trans-1,2-Dichloroethene	0.0019	0.0018	0.00136	0.00106
Methyl Tert-Butyl Ether	0.00105	0.00101	0.000161 J	0.000208 J
Trichloroethene	0.00785	0.00879	0.00402	0.00373
Vinyl Chloride	0.0025	0.00258	0.00186	0.00181

Date	04/21/2021	10/11/2021
Cis-1,2-Dichloroethene	ND	0.000181 J
Methyl Tert-Butyl Ether	0.000134 J	ND
Xylenes, Total	0.000337 BJ	ND

Date	8/28/2021	10/11/021
Benzene	0.000239 J	ND
Chloroform	0.000548 J	ND
Dichlorodifluoromethane	ND	0.00129 J
1,1-Dichloroethane	0.00103	0.00126
cis-1,2-Dichloroethene	0.0789	0.111
trans-1,2-Dichloroethene	0.000477 J	0.000655 J
Trichloroethene	0.0269	0.0318
Vinyl Chloride	0.000263 J	0.000402 J

Date 13	10/11/2021
cis-1,2-Dichloroethene	0.000338 J

Date	8/28/2021	10/11/2021
Benzene	0.000711	0.0000972 J
1,1-Dichloroethane	0.00272	0.00218
1,2-Dichloroethane	0.000174 J	ND
1,1-Dichloroethene	0.00602	0.00489
cis-1,2-Dichloroethene	0.233	0.217
trans-1,2-Dichloroethene	0.00581	0.00523
2-Butanone (MEK)	ND	0.00581 J
Methyl Tert-Butyl Ether	0.00484	0.00412
Trichloroethene	0.145	0.104
Trichlorofluoromethane	0.0016 J	0.00264 J
Vinyl Chloride	0.0413	0.0389

Date	5/6/2022	8/4/2022
cis-1,2-Dichloroethene	ND	0.000779 J
p-Isopropyltoluene	0.000148 J	0.000154 BJ

Date	3/8/2021	04/22/2021	8/27/2021	10/11/2021
Acetone	ND	0.0378 J	ND	ND
1,1-Dichloroethane	0.00182	0.00308	0.00144	0.00321
1,1-Dichloroethene	0.000766 J	0.00144	0.00049	0.00139
Cis-1,2-Dichloroethene	0.00347	0.00582	0.00237	0.00578
2-Butanone (MEK)	0.00153 J	0.00306 J	ND	ND
Methyl Tert-Butyl Ether	0.00227	0.00345	0.00282	0.00485
Tetrachloroethene	ND	0.000476 J	ND	0.000601 J
Trichloroethene	0.000431 J	0.000647 J	0.000227	0.000723 J
Trichlorofluoromethane	0.000282 J	0.000575 J	ND	0.000856 J
Vinyl Chloride	0.000263 J	0.000382 J	ND	0.000313 J

Date	12/9/2020	3/8/2021	04/22/2021	8/26/2021	10/11/2021
Bromodichloromethane	0.00111	0.000166	ND	ND	ND
Chloroform	0.00217 J	0.000441	0.000192 J	ND	ND
cis-1,2-Dichloroethene	0.00198	0.00147	0.00133	0.00123	0.000897 J
Methyl Tert-Butyl Ether	0.00022 J	0.000444 J	0.000531 J	0.000125 J	ND
Tetrachloroethene	0.00037 J	0.000476 J	0.000587 J	ND	ND
Trichloroethene	0.000502 J	0.00113	0.000903 J	0.000781 J	0.000659 J

Date	8/27/2021	10/11/2021	5/6/2022
1,1-Dichloroethane	0.00109	0.000629 J	0.000726 J
1,1-Dichloroethene	0.00157	0.00052 J	0.000569 J
cis-1,2-Dichloroethene	0.00185	0.000921 J	0.000948 J
Isopropylbenzene	ND	ND	0.000162 J
Tetrachloroethene	0.000613 J	ND	ND
Trichloroethene	0.000408 J	ND	ND

Figure 5B-2.1 – Groundwater COC Concentration Map – VOC – mg/L
Source: Google Earth: December 12, 2018

Scale: 1" = 200 ft

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Houston, Harris County, Texas

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Engineering & Environmental Consulting

Project No.:20.01.013

Client:
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Sugar Land, Texas

Figure 5B-2.2 – Groundwater COC Concentration Map – VOC – mg/L Hydropunch Holes Only

Source: Google Earth: December 12, 2018

Scale: 1" = 400 ft

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Sugar Land, Texas

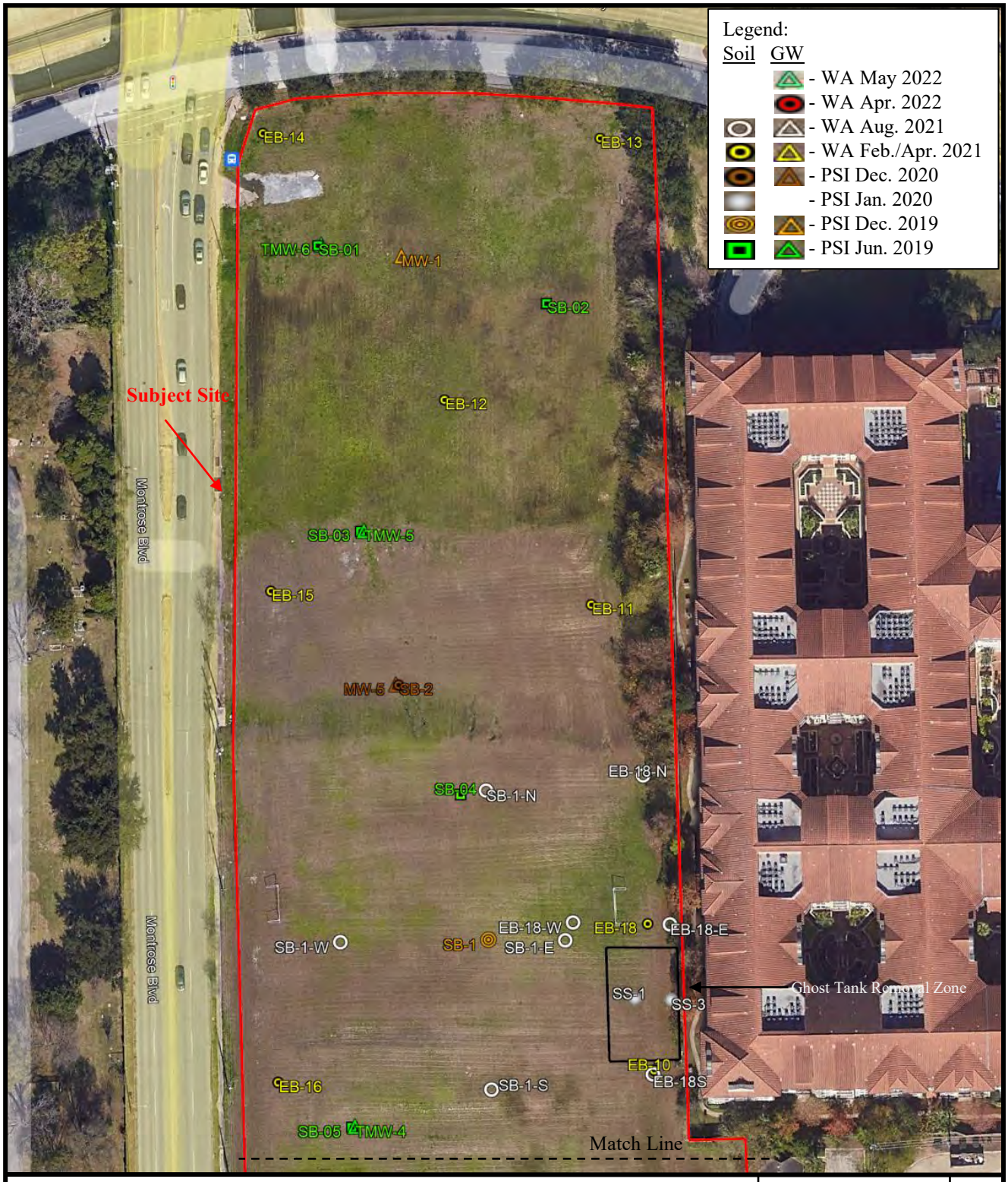

FIGURE 1B-1 – Affected Property Map – North

Source: Google Earth: December 12, 2018

Scale: 1" = 100 ft

N

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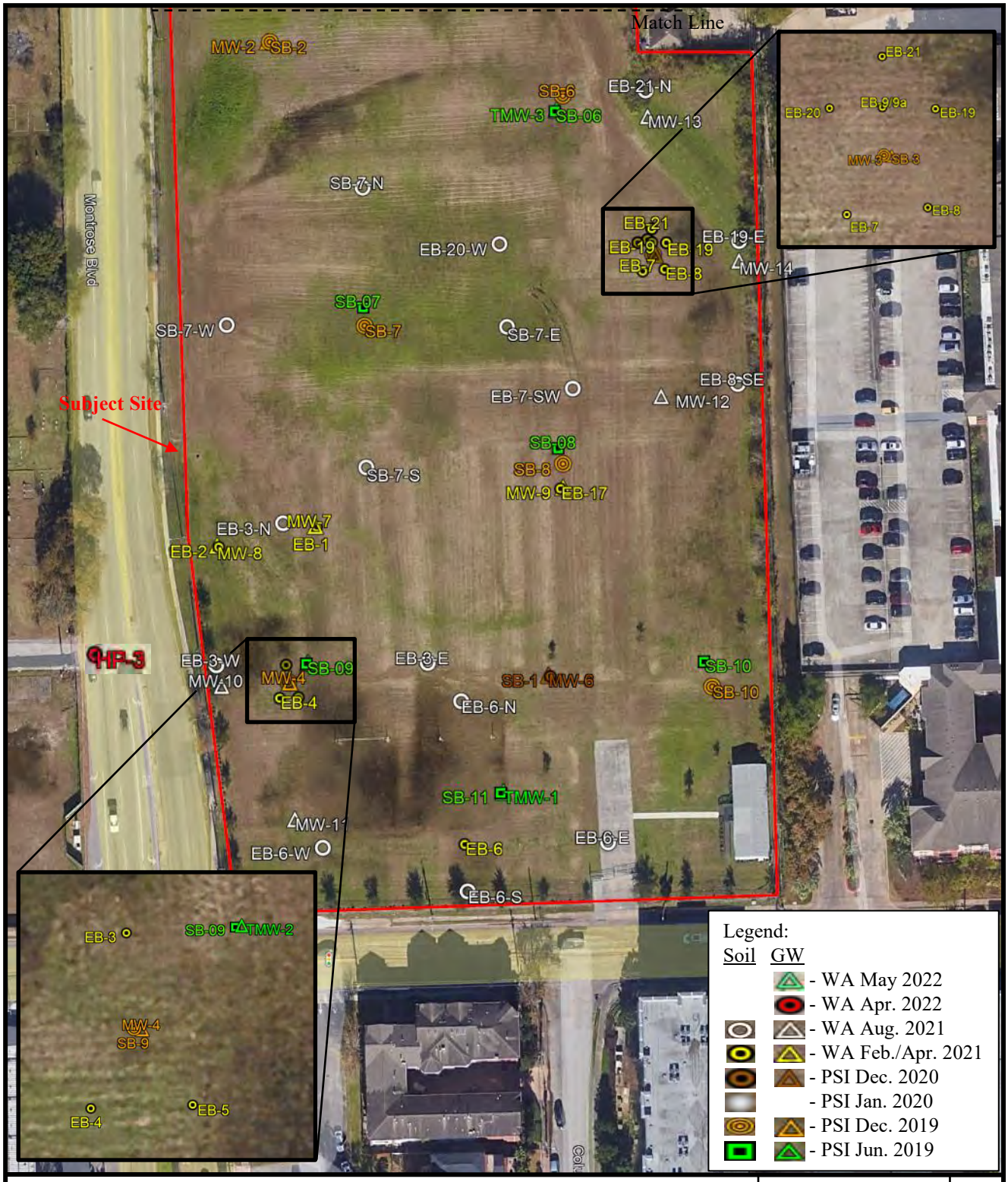

FIGURE 1B-2 – Affected Property Map – South

Source: Google Earth: December 12, 2018

Scale: 1" = 100 ft

N

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Project No.: 20.01.013

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Sugar Land, Texas

FIGURE 1B-3 – Affected Property Map – New MWs & Hydropunch Holes Only
Source: Google Earth: December 12, 2018

Scale: 1" = 400 ft

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Legend:
20.52 – 10/12/2021
20.63 – 5/6/2022
*Groundwater elevations expressed in ft above mean sea level.
*Groundwater gradient map based off of the last sampling event that included the original 14 on-site MWs (10/12/2021).
Note- MW-8, MW-11, and MW-12 readings from 10/11/2021 not used for gradient due to interference from on-site dewatering.
Note- 5/6/2022 is the most recent sampling event with on-site and off-site groundwater readings. This sampling event is not used for gradient due to interference from on-site dewatering activities, lack of MWs due to P&A of majority of MWs, and distance of MW-15 and MW-16 from the Site.

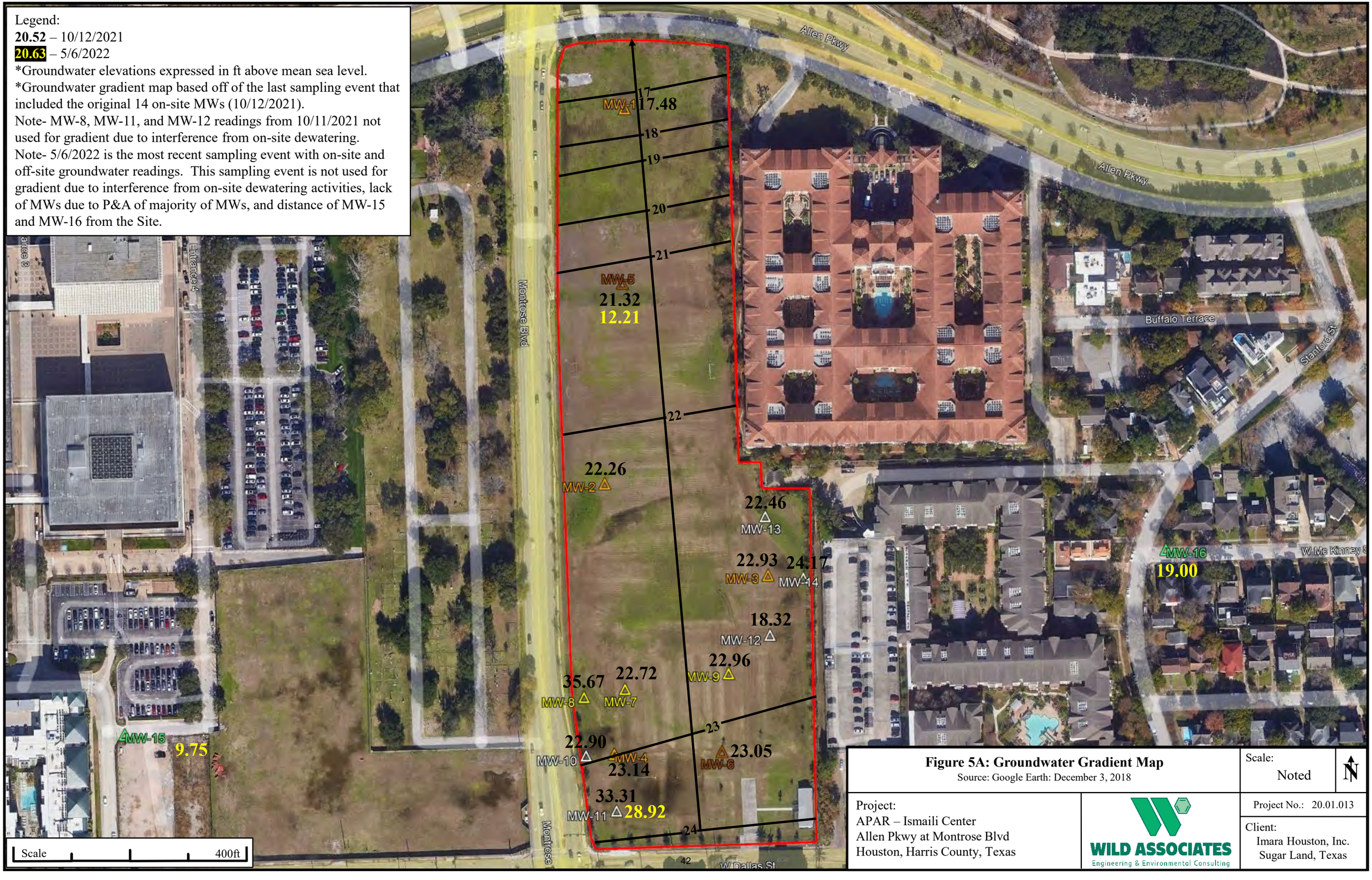

Figure 5A: Groundwater Gradient Map
Source: Google Earth: December 3, 2018

Scale: Noted

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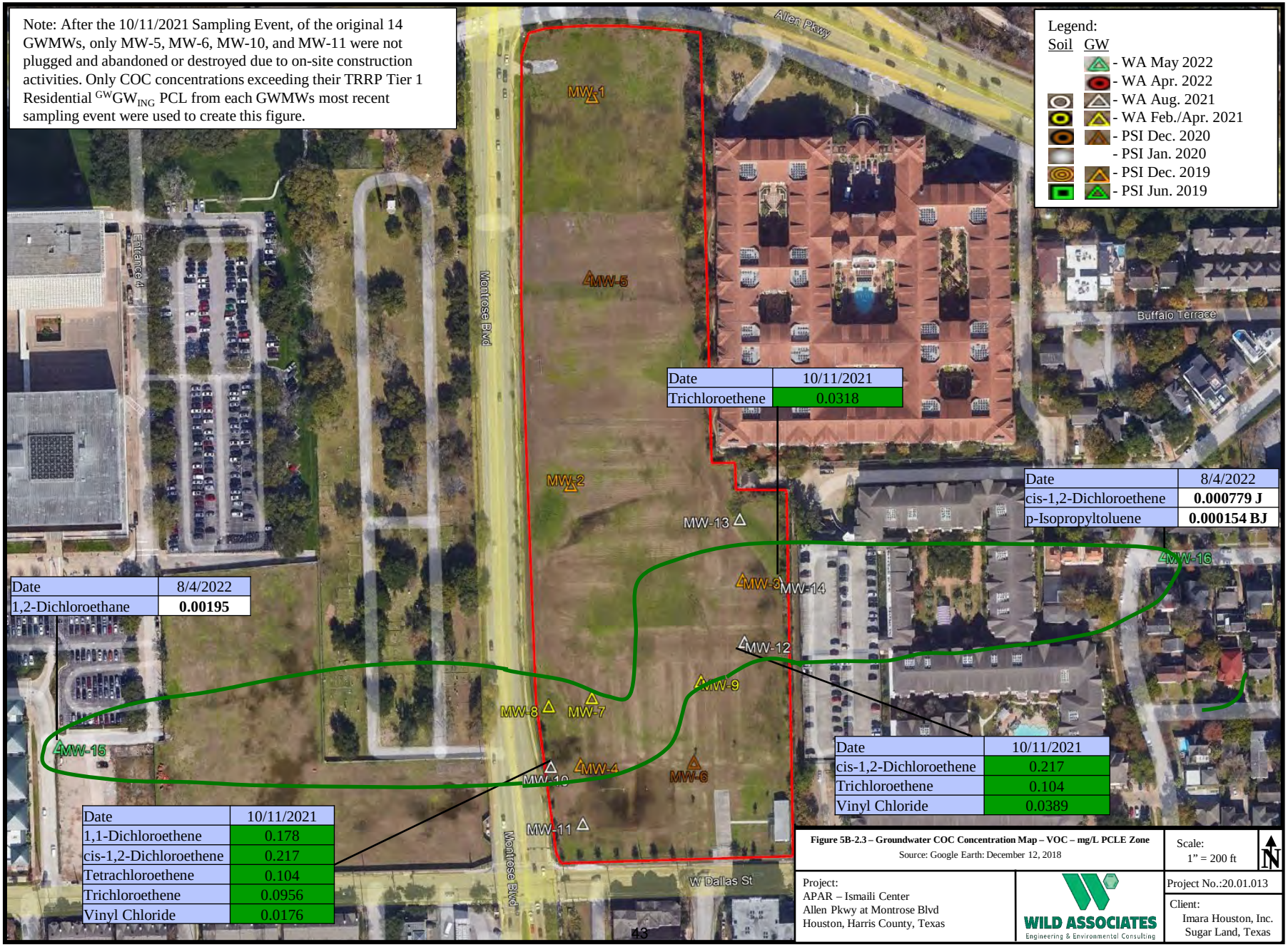

Figure 5B-2.3 – Groundwater COC Concentration Map – VOC – mg/L PCLE Zone

Source: Google Earth: December 12, 2018

Scale: 1" = 200 ft

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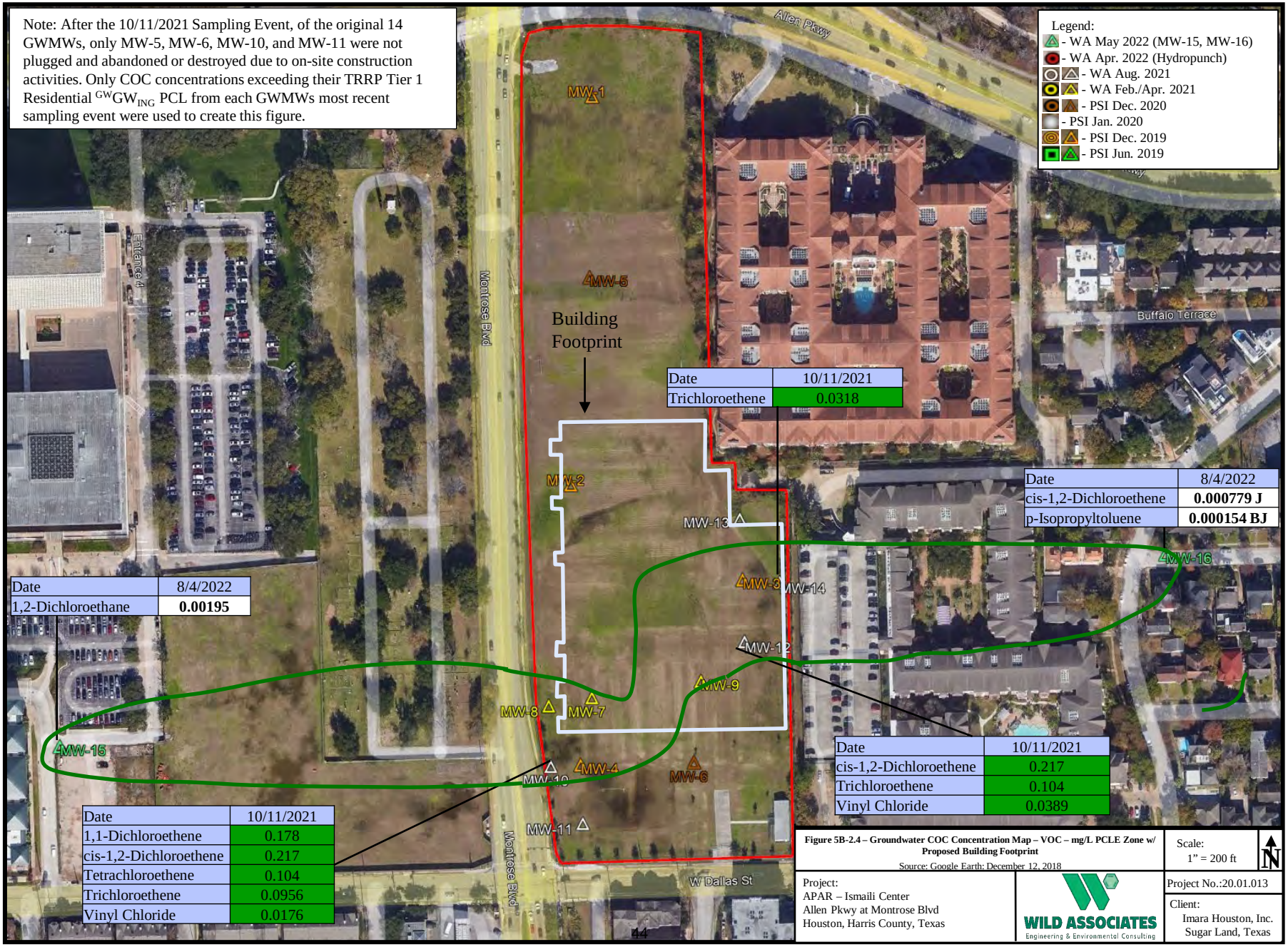
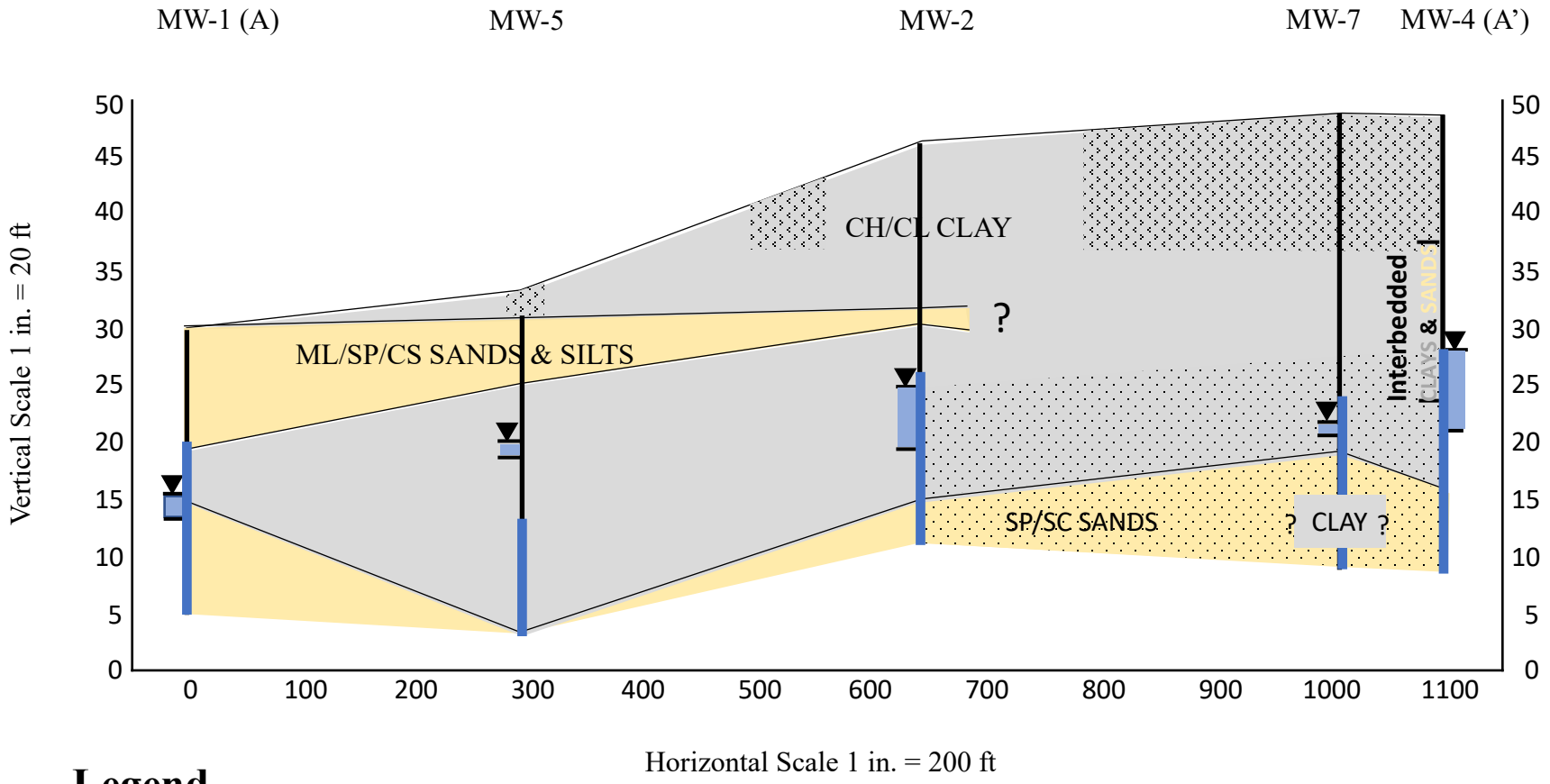
Project No.:20.01.013

Client: Imara Houston, Inc.
Sugar Land, Texas


Note: After the 10/11/2021 Sampling Event, of the original 14 GWMWs, only MW-5, MW-6, MW-10, and MW-11 were not plugged and abandoned or destroyed due to on-site construction activities. Only COC concentrations exceeding their TRRP Tier 1 Residential GWGWING PCL from each GWMWs most recent sampling event were used to create this figure.
Legend:
- WA May 2022 (MW-15, MW-16)
- WA Apr. 2022 (Hydropunch)
- WA Aug. 2021
- WA Feb./Apr. 2021
- PSI Dec. 2020
- PSI Jan. 2020
- PSI Dec. 2019
- PSI Jun. 2019
Allen Pkwy
Montrose Blvd
Entrance 4
Buffalo Terrace
W Dallas St
Building Footprint
MW-1
MW-5
MW-2
MW-13
MW-3
MW-14
MW-16
MW-12
MW-9
MW-8
MW-7
MW-15
MW-10
MW-4
MW-6
MW-11
Date 10/11/2021
Trichloroethene 0.0318
Date 8/4/2022
cis-1,2-Dichloroethene 0.000779 J
p-Isopropyltoluene 0.000154 BJ
Date 8/4/2022
1,2-Dichloroethane 0.00195
Date 10/11/2021
cis-1,2-Dichloroethene 0.217
Trichloroethene 0.104
Vinyl Chloride 0.0389
Date 10/11/2021
1,1-Dichloroethene 0.178
cis-1,2-Dichloroethene 0.217
Tetrachloroethene 0.104
Trichloroethene 0.0956
Vinyl Chloride 0.0176
Figure 5B-2.4 – Groundwater COC Concentration Map – VOC – mg/L PCLE Zone w/ Proposed Building Footprint
Source: Google Earth: December 12, 2018
Scale: 1" = 200 ft
N
Project: APAR – Ismaili Center
Allen Pkwy at Montrose Blvd
Houston, Harris County, Texas
WILD ASSOCIATES
Engineering & Environmental Consulting
Project No.:20.01.013
Client: Imara Houston, Inc.
Sugar Land, Texas
44



Legend

- Piezometric Surface Elevation Range
- Well Screen
- Estimated Affected Surface Soils
- Estimated Affected GWBU

Project: APAR – Ismaili Center Allen Pkwy at Montrose Blvd Houston, Harris County, Texas	**FIGURE 4C - GEOLOGIC CROSS SECTION**	N	Scale: Noted Project No.: 20.01.013
	WILD ASSOCIATES Engineering & Environmental Consulting		Client: Imara Houston, Inc. Sugar Land, Texas

TABLE 5D
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER MEASUREMENT SUMMARY

Well	TOC Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)	Depth to Water (ft) - Field Measurement	GWBU* Elevation (ft)
		Date																	
		12/18/2020		3/8/2021		4/21-22/2021		8/26-28/2021		9/27/2021		10/12/2021		3/31/2022		5/6/2022		8/4/2022	
MW-1	28.984	14.48	14.50	11.96	17.02	13.45	15.53	11.80	17.18	12.22	16.76	11.5	17.48	P&A		P&A		P&A	
MW-2	45.472	20.23	25.24	25.65	19.82	25.20	20.27	23.10	22.37	24	21.47	23.21	22.26	P&A		P&A		P&A	
MW-3	47.228	19.94	27.29	24.40	22.83	26.32	20.91	24.48	22.75	24.97	22.26	24.3	22.93	P&A		P&A		P&A	
MW-4	48.138	20.25	27.89	26.40	21.74	27.30	20.84	19.25	28.89	25.91	22.23	25	23.14	P&A		P&A		P&A	
MW-5	33.417	Not Available	Not Available	12.90	20.52	14.00	19.42	11.25	22.17	12.12	21.30	12.1	21.32	D/M		21.21	12.21	D/M	
MW-6	49.806	Not Available	Not Available	27.90	21.91	28.80	21.01	26.80	23.01	27.48	22.33	26.76	23.05	Dry	N/A	Dry	N/A	Dry	N/A
MW-7	47.872	Not Available	Not Available	26.30	21.57	27.07	20.80	25.30	22.57	25.83	22.04	25.15	22.72	D/M		D/M		D/M	
MW-8	48.482	Not Available	Not Available	27.00	21.48	27.85	20.63	25.95	22.53	26.5	21.98	12.81	35.67	D/M		D/M		D/M	
MW-9	48.655	Not Available	Not Available	26.82	21.84	27.70	20.96	25.81	22.85	26.01	22.65	25.7	22.96	P&A		P&A		P&A	
MW-10	48.547	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	25.75	22.80	26.27	22.28	25.65	22.90	Dry	N/A	Dry	N/A	Dry	N/A
MW-11	48.816	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	21.25	27.57	19.15	29.67	15.51	33.31	D/M		19.9	28.92	D/M	
MW-12	47.732	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	24.82	22.91	25.31	22.42	29.41	18.32	P&A		P&A		P&A	
MW-13	47.806	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	25.44	22.37	26	21.81	25.35	22.46	P&A		P&A		P&A	
MW-14	48.365	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	25.40	22.97	25.9	22.47	24.2	24.17	P&A		P&A		P&A	
MW-15	36.800	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	37.05	-0.25	37.4	-0.60
MW-16	44.800	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	25.8	19.00	26.63	18.17

*Groundwater gradient map based off of the 4th Quarter 2021 Sampling Event (10/11/2021)
*Elevations relative to MSL (NAVD 88)
TOC=Top of Casing
GWBU=Groundwater Bearing Unit
MSL=Mean Sea Level
N/A=Not Available
P&A=Plugged & Abandoned
D/M=Destroyed or Missing

Appendix D

Provide for each contaminant of concern within the designated groundwater:

a. **A description of the ingestion protective concentration level exceedance zone and the non-ingestion protective concentration level exceedance zone, including a specification of the horizontal area and the minimum and maximum depth belowground surface.**

b. **The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.**

c. **Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water).**

Based on data from nine (9) groundwater monitoring events in December 2019, January 2020, December 2020, March 2021, April 2021, August 2021, October 2021, May 2022, and August 2022, arsenic (ranging from 0.0103 to 0.0261 milligrams per liter [mg/L]) and chlorinated VOCs (1,1-dichloroethene [0.00793 to 0.222 mg/L]; cis-1,2-dichloroethene [0.0728 to 0.28 mg/L); tetrachloroethene [0.00536 to 0.177 mg/L]; trichloroethene [0.00549 to 0.145 mg/L]; and vinyl chloride [0.0025 to 0.0389 mg/L]) exceed their TRRP Tier 1 Residential $^{GW}GW_{ING}$ PCL (ingestion PCL), which is the critical Residential PCL without an MSD in place.

The TRRP Tier 1 Residential $^{GW}GW_{ING}$ PCLs for the applicable COCs are 0.01 mg/L for arsenic, 0.007 mg/L for 1,1-dichloroethene, 0.07 mg/L for cis-1,2-dichloroethene, 0.005 mg/L for tetrachloroethene, 0.005 mg/L for trichloroethene, and 0.002 mg/L for vinyl chloride. All CoC concentrations, except arsenic, fall well below their TRRP Tier 1 Residential $^{AIR}GW_{INH-V}$ PCL (non-ingestion PCL) of 220 mg/L for 1,1-dichloroethene, 160 mg/L for cis-1,2-dichloroethene, 64 mg/L for tetrachloroethene, 3.1 mg/L for trichloroethene, and 0.49 mg/L for vinyl chloride. Arsenic does not have an applicable $^{AIR}GW_{INH-V}$ PCL. However, Dr. Mike Duffin (TCEQ July 2021 letter in Executive Summary attachments) considers the arsenic levels low enough to be naturally occurring and not requiring further delineation or consideration as a COC.

The chlorinated VOC COCs are confined to the upper tier in the southern half of the Site associated with the footprints of the former HL&P facility and rail spur. The affected groundwater-bearing unit (GWBU) underlies the footprint of the future ICH building and subgrade garage and extends west and east off-site. The well point pumping program will alter the gradient and amplify flow toward the excavation. The horizontal extent of the ingestion protective concentration level exceedance zone is depicted in Appendix C-f.

Chlorinated VOCs are denser than water, but the detected concentrations are within their solubility limits, indicating they would migrate in all directions in the dissolved phase. The impacted GWBU consists of interbedded layers of saturated clayey sand and sandy clay extending from approximately 14 ft to 35 ft bgs. The GWBU is depicted in Appendix C-g.

Appendix E

A table displaying the following information for each contaminant of concern, to the extent known:

a. The maximum concentration level for soil and groundwater, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/kg for soils and mg/L for groundwater.

b. The critical protective concentration level without the municipal setting designation, highlighting any exceedances.

Cumulative data tables displaying the concentration levels of COCs in soil and groundwater (including maximum concentration levels), the ingestion PCLs, the non-ingestion PCLs, and the critical PCLs with and without the MSD, highlighting any exceedances are provided in the below attached Tables:

- Table 4D-1 – Metals
- Table 4D-2 – VOC
- Table 4D-3 – SVOC
- Table 4D-4 – TPH
- Table 4D-5 – PCB

- Table 5D-1 – Metals
- Table 5D-2 – VOC
- Table 5D-3 – SVOC
- Table 5D-4 – TPH
- Table 5D-5 – PCB

Attached appendices retain their APAR designation, if applicable. Otherwise, Appendix E denotes MSD specific appendices.

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1 0-3	SB-1 4-5
DATE COLLECTED						12/17/2019	12/17/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	<2.25	<2.24
Arsenic	mg/kg	24	2.5	5.9	1.70	**0.614 J**	<2.24
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**91.8**	**21.8**
Beryllium	mg/kg	38	0.92	1.5	NA	**0.505**	**0.642**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.564	<0.560
Chromium	mg/kg	27000	1200	30	15.33	**10.7**	**11.2**
Lead	mg/kg	500	1.5	15	7.11	**12.5**	**4.95**
Nickel	mg/kg	840	79	10	NA	**3.93**	**5.71**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.25	<2.24
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.125	1.12
Silver*	mg/kg	97	0.24	NA	0.56	<1.13	<1.12
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.565	0.56
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0325 J**	<0.0336
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		0.0168

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1 8-10	SB-2 0-3
DATE COLLECTED						12/17/2019	12/17/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	**1.74 J**	<2.39
Arsenic	mg/kg	24	2.5	5.9	1.70	8.13	**1.64 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**17.9**	**108**
Beryllium	mg/kg	38	0.92	1.5	NA	**1.46**	**0.485**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.574	<0.598
Chromium	mg/kg	27000	1200	30	15.33	**18.9**	**9.58**
Lead	mg/kg	500	1.5	15	7.11	20.9	**14.3**
Nickel	mg/kg	840	79	10	NA	**19.7**	**6**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.30	<2.39
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.15	1.195
Silver*	mg/kg	97	0.24	NA	0.56	<1.15	<1.20
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.575	0.6
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0345	**0.00870 J**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.01725	

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
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J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-2 4-5	SB-2 8-10
DATE COLLECTED						12/17/2019	12/17/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	<2.39	<2.32
Arsenic	mg/kg	24	2.5	5.9	1.70	**0.673 J**	**5.07**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**247**	**189**
Beryllium	mg/kg	38	0.92	1.5	NA	**1.13**	**0.958**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.598	<0.581
Chromium	mg/kg	27000	1200	30	15.33	**19.2**	**16.4**
Lead	mg/kg	500	1.5	15	7.11	**5.8**	**10.8**
Nickel	mg/kg	840	79	10	NA	**11.3**	**14**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.39	<2.32
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.195	1.16
Silver*	mg/kg	97	0.24	NA	0.56	<1.20	<1.16
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.6	0.58
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0100 J**	<0.0349
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		0.01745

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
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J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
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V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-3 0-3	SB-3 4-5
DATE COLLECTED						12/16/2019	12/16/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	**1.53 J**	<2.36
Arsenic	mg/kg	24	2.5	5.9	1.70	**4.54**	**0.843 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**170**	**83**
Beryllium	mg/kg	38	0.92	1.5	NA	**0.868**	**0.857**
Cadmium	mg/kg	51	0.75	NA	0.36	**0.378 J**	<0.591
Chromium	mg/kg	27000	1200	30	15.33	**20.1**	**18.5**
Lead	mg/kg	500	1.5	15	7.11	107	**7.13**
Nickel	mg/kg	840	79	10	NA	**11.2**	**7.92**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.40	<2.36
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.2	1.18
Silver*	mg/kg	97	0.24	NA	0.56	<1.20	<1.18
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.6	0.59
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0756**	**0.0141 J**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
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J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-3 8-10	SB-6 0-3
DATE COLLECTED						12/16/2019	12/17/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	**1.18 J**	<2.34 J6
Arsenic	mg/kg	24	2.5	5.9	1.70	**5.41**	**3.11**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**84.1**	**56.9**
Beryllium	mg/kg	38	0.92	1.5	NA	**1.06**	**0.589**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.592	<0.584
Chromium	mg/kg	27000	1200	30	15.33	**20.9**	**11.6**
Lead	mg/kg	500	1.5	15	7.11	**5.77**	15.7
Nickel	mg/kg	840	79	10	NA	**19.3**	**4.25**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.37	<2.34
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.185	1.17
Silver*	mg/kg	97	0.24	NA	0.56	<1.18	<1.17
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.59	0.585
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0355	**0.0337 J**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.01775	

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-6 4-5	SB-6 8-10
DATE COLLECTED						12/17/2019	12/17/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	**0.954 J**	<2.29 J6
Arsenic	mg/kg	24	2.5	5.9	1.70	**2.66**	**2.73**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**126**	**44.9**
Beryllium	mg/kg	38	0.92	1.5	NA	**1.25**	**0.508**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.613	<0.572
Chromium	mg/kg	27000	1200	30	15.33	**23.9**	**13**
Lead	mg/kg	500	1.5	15	7.11	**13.1**	**10.1**
Nickel	mg/kg	840	79	10	NA	**13.3**	**6.95**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.45	<2.29
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.225	1.145
Silver*	mg/kg	97	0.24	NA	0.56	<1.23	<1.14
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.615	0.57
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0137 J**	<0.0343
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		0.01715

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
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Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
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**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
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J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-7 0-3	SB-7 4-5
DATE COLLECTED						12/16/2019	12/16/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	<2.40	**1.01 J**
Arsenic	mg/kg	24	2.5	5.9	1.70	**4.4**	**2.51**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**55.2**	**113**
Beryllium	mg/kg	38	0.92	1.5	NA	**0.61**	**0.94**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.599	<0.616
Chromium	mg/kg	27000	1200	30	15.33	**17.2**	**22.7**
Lead	mg/kg	500	1.5	15	7.11	**10.1**	**4.44**
Nickel	mg/kg	840	79	10	NA	**5.86**	**12.6**
Selenium*	mg/kg	310	1.1	0.3	1.20	**0.944 J**	<2.47
Se Proxy**	mg/kg	310	1.1	0.3	1.20		1.235
Silver*	mg/kg	97	0.24	NA	0.56	<1.20	<1.23
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.6	0.615
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0127 J**	**0.0120 J**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-7 8-10	SB-8 0-3
DATE COLLECTED						12/16/2019	12/16/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	**1.57 J**	<2.62
Arsenic	mg/kg	24	2.5	5.9	1.70	6.42	**3.94**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**186**	**132**
Beryllium	mg/kg	38	0.92	1.5	NA	**0.831**	**0.724**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.587	<0.655
Chromium	mg/kg	27000	1200	30	15.33	**13.8**	**14.7**
Lead	mg/kg	500	1.5	15	7.11	23.3	18.5
Nickel	mg/kg	840	79	10	NA	**10.7**	**6.88**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.35	<2.62
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.175	1.31
Silver*	mg/kg	97	0.24	NA	0.56	<1.17	<1.31
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.585	0.655
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0352	**0.00474 J**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.0176	

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-8 4-5	SB-8 8-10
DATE COLLECTED						12/16/2019	12/16/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	<2.56	<2.43
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.59 J**	**1.98 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**106**	**103**
Beryllium	mg/kg	38	0.92	1.5	NA	**0.888**	**0.751**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.641	<0.608
Chromium	mg/kg	27000	1200	30	15.33	**31.9**	**45.1**
Lead	mg/kg	500	1.5	15	7.11	**12.5**	**6.25**
Nickel	mg/kg	840	79	10	NA	**12.8**	**25.6**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.56	<2.43
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.28	1.215
Silver*	mg/kg	97	0.24	NA	0.56	<1.28	<1.22
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.64	0.61
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0102 J**	<0.0365
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		0.01825

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-9 0-3	SB-9 4-5
DATE COLLECTED						12/16/2019	12/16/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	<2.29	<2.34
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.14 J**	**2.98**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**89.2**	710
Beryllium	mg/kg	38	0.92	1.5	NA	**0.727**	**0.772**
Cadmium	mg/kg	51	0.75	NA	0.36	**0.135 J**	<0.586
Chromium	mg/kg	27000	1200	30	15.33	**15.1**	**12.9**
Lead	mg/kg	500	1.5	15	7.11	18.9	**7.5**
Nickel	mg/kg	840	79	10	NA	**8.99**	**12.9**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.29	<2.34
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.145	1.17
Silver*	mg/kg	97	0.24	NA	0.56	<1.14	<1.19
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.57	0.595
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0261 J**	<0.0352
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		0.0176

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
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V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-9 8-10	SB-10 0-3
DATE COLLECTED						12/16/2019	12/16/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	<2.27	<2.46 J6
Arsenic	mg/kg	24	2.5	5.9	1.70	**2.35**	**1.91 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**24.3**	**81.5**
Beryllium	mg/kg	38	0.92	1.5	NA	**0.401**	**0.713**
Cadmium	mg/kg	51	0.75	NA	0.36	<0.567	<0.616
Chromium	mg/kg	27000	1200	30	15.33	**7.45**	**12.4**
Lead	mg/kg	500	1.5	15	7.11	**5.56**	**8.7**
Nickel	mg/kg	840	79	10	NA	**5.63**	**5.27**
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.27	<2.46
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.135	1.23
Silver*	mg/kg	97	0.24	NA	0.56	<2.27	<2.46 O1
Ag Proxy**	mg/kg	97	0.24	NA	0.56	1.135	1.23
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0340	**0.0116 J**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.017	

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
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J3 - The associated batch QC was outside the established quality control range for precision.
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V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-10 4-5	SB-10 8-10	SB-1 0-2
DATE COLLECTED						12/16/2019	12/16/2019	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	<2.39	<2.39	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**3.15**	**3.89**	**1.87 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**96.8**	**80.4**	**98.7 J**
Beryllium	mg/kg	38	0.92	1.5	NA	**0.811**	**0.670**	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.598	<0.597	**0.390 J**
Chromium	mg/kg	27000	1200	30	15.33	**15.3**	**17**	**24.1**
Lead	mg/kg	500	1.5	15	7.11	**10.7**	**7.17**	71.3
Nickel	mg/kg	840	79	10	NA	**7.02**	**7.75**	NS
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.39	<2.39	**1.22**
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.195	1.195	
Silver*	mg/kg	97	0.24	NA	0.56	<1.20	<1.19	<1.16
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.6	0.595	0.58
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0359	<0.0358	**0.0866**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.01795	0.0179	

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1 2-4	SB-1 4-6	SB-1 6-8
DATE COLLECTED						12/7/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**2.12 J**	**2.05 J**	**3.83**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**90.1**	**18**	**283**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.598	<0.642	**0.0754 J**
Chromium	mg/kg	27000	1200	30	15.33	**17.6**	**25.0**	**30.7**
Lead	mg/kg	500	1.5	15	7.11	16.0	**6.75**	**8.00**
Nickel	mg/kg	840	79	10	NA	NS	NS	NS
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.39	<2.57	**0.971 J**
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.195	1.285	
Silver*	mg/kg	97	0.24	NA	0.56	<1.20	<1.28	<1.19
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.6	0.64	0.595
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0310 J**	**0.0308 J**	<0.0477
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10			0.02385

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1 8-10	SB-1 13-15	SB-1 18-20
DATE COLLECTED						12/7/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**3.31**	<2.30	**3.91**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**65.5**	**51.4**	**274**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	**0.0744 J**	<0.574	**0.0795 J**
Chromium	mg/kg	27000	1200	30	15.33	**18.0**	**14.8**	**34.3**
Lead	mg/kg	500	1.5	15	7.11	**8.78**	**2.87**	**6.91**
Nickel	mg/kg	840	79	10	NA	NS	NS	NS
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.34	<2.30	<2.59
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.17	1.15	1.295
Silver*	mg/kg	97	0.24	NA	0.56	<1.17	<1.15	<1.29
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.585	0.575	0.645
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0400	<0.0459	<0.0517
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.02	0.02295	0.02585

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1 23-25	SB-1 28-30	SB-2 0-2
DATE COLLECTED						12/7/2020	12/7/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.27	<2.31	**0.803 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**164**	**37.2**	**39.8**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.568	<0.578	<0.574
Chromium	mg/kg	27000	1200	30	15.33	**18.2**	**11.0**	**2.59**
Lead	mg/kg	500	1.5	15	7.11	**2.63**	**2.94**	**6.03**
Nickel	mg/kg	840	79	10	NA	NS	NS	NS
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.27	<2.31	<2.29
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.135	1.175	1.145
Silver*	mg/kg	97	0.24	NA	0.56	<1.14	<1.16	<1.15
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.57	0.58	0.575
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0454	<0.0463	<0.0459
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.0227	0.02315	0.02295

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
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**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
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J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-2 2-4	SB-2 4-6	SB-2 6-8
DATE COLLECTED						12/8/2020	12/8/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.23	**1.21 J**	**0.796 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**21.3 O1**	**11.4**	**8.73**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.558	<0.581	<0.649
Chromium	mg/kg	27000	1200	30	15.33	**2.61**	**1.52**	**1.14 J**
Lead	mg/kg	500	1.5	15	7.11	**7.23**	**5.34**	**2.48**
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.23	<2.33	<2.60
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.115	1.165	1.3
Silver*	mg/kg	97	0.24	NA	0.56	<1.12	<1.16	<1.30
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.56	0.58	0.65
Mercury	mg/kg	2.1	0.0039	0.04	0.10	**0.0314 J**	<0.0465	<0.0519
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10		0.02325	0.02595

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-2 8-10	SB-2 13-15	SB-2 18-20
DATE COLLECTED						12/8/2020	12/8/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.13 J**	**0.918 J**	**5.52**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**9.79**	**48.4**	**59.0**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.632	<0.706	**0.130 J**
Chromium	mg/kg	27000	1200	30	15.33	**2.04**	**3.17**	**5.13**
Lead	mg/kg	500	1.5	15	7.11	**7.06**	**3.46**	**5.60**
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.53	<2.82	<2.57
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.265	1.41	1.285
Silver*	mg/kg	97	0.24	NA	0.56	<1.26	<1.41	<1.28
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.63	0.705	0.64
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0506	<0.0565	<0.0513
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.0253	0.02825	0.02565

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-2 23-25	SB-2 28-30	EB-3 0-1
DATE COLLECTED						12/8/2020	12/8/2020	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**5.77**	<2.52	**2.7**
As Proxy**	mg/kg	24	2.5	5.9	1.70		1.26	
Barium	mg/kg	8100	220	300	100	**254**	**18.4**	**108**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	**0.0895 J**	<0.630	<0.636
Chromium	mg/kg	27000	1200	30	15.33	**15.8**	**1.37**	**25**
Lead	mg/kg	500	1.5	15	7.11	18.1	**1.78**	**11.9**
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	**1.90 J**	<2.52	<2.54
Se Proxy**	mg/kg	310	1.1	0.3	1.20		1.26	1.27
Silver*	mg/kg	97	0.24	NA	0.56	<1.26	<1.26	<1.27
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.63	0.63	0.635
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0502	<0.0504	<0.0509
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.0251	0.0252	0.02545

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-3 1-3	EB-4 0-1	EB-4 1-3
DATE COLLECTED						2/22/2021	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.62 J**	**1.98 J**	**2.9**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	796	**149**	**114**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.594	<0.611	<0.598
Chromium	mg/kg	27000	1200	30	15.33	**22.6**	**21.8**	**19.3**
Lead	mg/kg	500	1.5	15	7.11	**7.38**	**8**	**11.8**
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.38	<2.44	<2.39
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.19	1.22	1.195
Silver*	mg/kg	97	0.24	NA	0.56	<1.19	<1.22	<1.20
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.595	0.61	0.6
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0476	<0.0489	<0.0478
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.0238	0.02445	0.02475

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-5 0-1	EB-5 1-3	EB-6 3-5
DATE COLLECTED						2/22/2021	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**0.721 J**	**0.639 J**	**2.06 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**107**	**131**	1400 J3O1V
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.619	<0.605	<0.677
Chromium	mg/kg	27000	1200	30	15.33	**22.3**	**20**	**21.6**
Lead	mg/kg	500	1.5	15	7.11	**7.79**	**9.05**	**4.55**
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.47	<2.42	<2.71
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.235	1.21	1.355
Silver*	mg/kg	97	0.24	NA	0.56	<1.24	<1.21	<1.35
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.62	0.65	0.675
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0495	<0.0484	<0.0542
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.02475	0.0242	0.0271

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-7 0-1	EB-8 0-1	EB-9 0-1
DATE COLLECTED						2/22/2021	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NS
Arsenic	mg/kg	24	2.5	5.9	1.70	**3.01**	1.54 J	40.4
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**160**	**165**	386
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	**0.157 J**	**0.0848 J**	**4.74**
Chromium	mg/kg	27000	1200	30	15.33	**18.7**	**17.1**	**32.3**
Lead	mg/kg	500	1.5	15	7.11	**14.3**	**10.2**	4000
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.32	<2.44	<2.43
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.16	1.22	1.215
Silver*	mg/kg	97	0.24	NA	0.56	<1.16	<1.22	**19.1**
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.58	0.61	
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0464	<0.0488	**0.189**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.0232	0.0244	

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-9A 1-3	EB-9A 3-5	EB-11 1-3
DATE COLLECTED						04/21/2021	04/21/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.52	**3**	<2.30
As Proxy**	mg/kg	24	2.5	5.9	1.70	1.26		
Barium	mg/kg	8100	220	300	100	NT	NT	**46.6**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT	<0.575
Chromium	mg/kg	27000	1200	30	15.33	NT	NT	**9.66**
Lead	mg/kg	500	1.5	15	7.11	**11.3**	**12.2**	**9.15**
Nickel	mg/kg	840	79	10	NA	NT	NT	NS
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT	<2.30
Se Proxy**	mg/kg	310	1.1	0.3	1.20			1.15
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT	<1.15
Ag Proxy**	mg/kg	97	0.24	NA	0.56			0.575
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT	<0.0460
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10			0.023

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-12 0-1	EB-13 3-5	EB-14 3-5
DATE COLLECTED						2/22/2021	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	1.75 J	<2.24	<2.28
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**92.5**	**14.7**	**62.8**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	**0.0698 J**	<0.559	<0.570
Chromium	mg/kg	27000	1200	30	15.33	**27.5**	**3.97**	**4.58**
Lead	mg/kg	500	1.5	15	7.11	**13**	**3.92**	**4.55**
Nickel	mg/kg	840	79	10	NA	NS	NS	NS
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.53	<2.24	<2.28
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.265	1.12	1.14
Silver*	mg/kg	97	0.24	NA	0.56	<1.26	<1.12	<1.14
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.63	0.56	0.57
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0506	<0.0447	<0.0456
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.0253	0.02235	0.0228

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-15 3-5	EB-16 3-5	EB-18 1-3
DATE COLLECTED						2/22/2021	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.35	<2.47	**3.96**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**147**	**81.2**	**258**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	<0.588	<0.617	**1.04**
Chromium	mg/kg	27000	1200	30	15.33	**17.7**	**22.4**	**15.2**
Lead	mg/kg	500	1.5	15	7.11	**6.27**	**8.34**	268
Nickel	mg/kg	840	79	10	NA	NS	NS	NS
Selenium*	mg/kg	310	1.1	0.3	1.20	<2.35	<2.47	<2.31
Se Proxy**	mg/kg	310	1.1	0.3	1.20	1.155	1.235	1.155
Silver*	mg/kg	97	0.24	NA	0.56	<1.18	<1.23	**0.251 J**
Ag Proxy**	mg/kg	97	0.24	NA	0.56	0.59	0.615	
Mercury	mg/kg	2.1	0.0039	0.04	0.10	<0.0471	<0.0493	**0.66**
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	0.05366	0.02465	

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-19 0-1	EB-19 1-3
DATE COLLECTED						04/21/2021	04/21/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.06 J**	<2.47
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	NT	NT
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	16.3	**12.4**
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-19 3-5	EB-20 0-1
DATE COLLECTED						04/21/2021	04/21/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.11 J**	**1.13 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	NT	NT
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**9.32**	248
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-20 1-3	EB-20 3-5
DATE COLLECTED						04/21/2021	04/21/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.03 J**	<2.58
As Proxy**	mg/kg	24	2.5	5.9	1.70		1.29
Barium	mg/kg	8100	220	300	100	NT	NT
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	30.1	18.5
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-21 0-1	SB-1-S 0-1
DATE COLLECTED						04/21/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.18	**2.28**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	NT	**167 J3 J5 O1**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	306	54.4 O1
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1-S 1-2	SB-1-W 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.07 J**	**0.855 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**23.5**	**30.9**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**11.1**	20.6
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
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*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
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J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1-W 1-2	SB-1-N 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.37	**0.929 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**44.2**	**60.4**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**6.87**	**8.41**
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
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These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1-N 1-2	SB-1-E 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.31	**2.04 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**49.2**	**103**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**7.16**	96.2
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
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Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-1-E 1-2	SB-7-S 0-1	SB-7-S 1-2
DATE COLLECTED						8/25/2021	8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**0.78 J**	**1.99 J**	**1.73 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**132 J5**	**62.6**	**127**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**26.2**	101	**6.64**
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT	NT

30 Acres PCL
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V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-7-E 0-1	SB-7-E 1-2
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**3.34**	**4.02**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**119**	**149**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**14.3**	**11**
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
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V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-7-W 0-1	SB-7-W 1-2
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**0.955 J**	<2.43
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**64.3**	**36.9**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	95.5	**14.6**
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
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Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						SB-7-N 0-1	SB-7-N 1-2
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.77 J**	**4.03**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**55.4**	**215**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	44.1	**10.1**
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
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O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-3-E 0-1	EB-3-E 1-2
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.38**	**1.29 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**53.3**	**69.5**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	54.6	**9.85**
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-3-N 0-1	EB-3-N 1-2
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.36 J**	**2.25 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**119**	**55.1**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	49.2	20.4
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-3-W 0-1	EB-3-W 1-2
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.68 J**	**1.54 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**148**	**85.8**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	234	18.6
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-6-S 0-1	EB-6-S 1-2	EB-6-E 0-1
DATE COLLECTED						8/25/2021	8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**3.14**	**2.7**	**1.47 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70			
Barium	mg/kg	8100	220	300	100	**67.7**	**66.1**	**57.3**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**11.4**	**12.1**	**8.26**
Nickel	mg/kg	840	79	10	NA	NT	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
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**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-6-E 1-2	EB-6-N 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**4.91**	**2.27 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**61.7**	**121**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	36.4	29.5
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
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O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-6-N 1-2	EB-6-W 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**0.728 J**	**2.59**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**34**	**82.2**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**8.54**	15.6
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
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*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
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J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-6-W 1-2	EB-7-SW 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**0.673 J**	**2.72**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**71.1**	**89.1**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**10.9**	125
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-7-SW 1-2	EB-8-SE 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.8 J**	**3.51**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**91.4**	**172**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**7.73**	69.6
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
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NT - Not Tested
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V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-8-SE 1-2	EB-18-N 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**2.22 J**	**2.78**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**169**	**149**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**10.4**	97.2
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
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O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
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Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-18-N 1-2	EB-18-E 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	9.54	10.1
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	355	**71.3**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	759	480
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
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Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-18-E 1-2	EB-18-S 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**2.66**	9.67
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**50.8**	**73.3**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	54.9	374
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
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Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-18-S 1-2	EB-18-W 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	7.64	**2.76**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**66.9**	**102**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	175	104
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-18-W 1-2	EB-19-E 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**2.22 J**	**1.33 J**
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**173**	**117**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	160	173
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-19-E 1-2	EB-20-W 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**1.79 J**	<2.38
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**200**	**31.9**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	56.3	**27.2**
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-20-W 1-2	EB-21-N 0-1
DATE COLLECTED						8/25/2021	8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	<2.39	9.55
As Proxy**	mg/kg	24	2.5	5.9	1.70		
Barium	mg/kg	8100	220	300	100	**125**	**122**
Beryllium	mg/kg	38	0.92	1.5	NA	NT	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT	NT
Chromium	mg/kg	27000	1200	30	15.33	NT	NT
Lead	mg/kg	500	1.5	15	7.11	**7.49**	110
Nickel	mg/kg	840	79	10	NA	NT	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - METALS

SAMPLE ID						EB-21-N 1-2
DATE COLLECTED						8/25/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Texas-Specific Background	Site-Specific Background	Result
Antimony	mg/kg	15	2.7	1.0	NA	NT
Arsenic	mg/kg	24	2.5	5.9	1.70	**3.69**
As Proxy**	mg/kg	24	2.5	5.9	1.70	
Barium	mg/kg	8100	220	300	100	**40**
Beryllium	mg/kg	38	0.92	1.5	NA	NT
Cadmium	mg/kg	51	0.75	NA	0.36	NT
Chromium	mg/kg	27000	1200	30	15.33	NT
Lead	mg/kg	500	1.5	15	7.11	60.1
Nickel	mg/kg	840	79	10	NA	NT
Selenium*	mg/kg	310	1.1	0.3	1.20	NT
Se Proxy**	mg/kg	310	1.1	0.3	1.20	NT
Silver*	mg/kg	97	0.24	NA	0.56	NT
Ag Proxy**	mg/kg	97	0.24	NA	0.56	NT
Mercury	mg/kg	2.1	0.0039	0.04	0.10	NT
Hg Proxy**	mg/kg	2.1	0.0039	0.04	0.10	NT

30 Acres PCL
Highlighted Values Exceed Texas-Specific, Site-Specific, PCL Limits, and have not been Screened Out
Bold values indicate lab detection
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
*Metal screened out as a COC and is not highlighted for an exceedence of a critical PCL
**Indicates COC ND results adjusted to half the SQL for purposes of comparison to T1 PCL.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria.
These failures indicate matrix interference.
V - The sample concentration is too high to evaluate accurate spike recoveries.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - VOCs

SAMPLE ID				SB-1 13-15	SB-2 13-15	SB-3 15-17	SB-4 21-23	SB-5 15-17	SB-6 28-30	SB-7 22-24
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/12/2019	6/12/2019	6/12/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result
Acetone	mg/kg	59000	21	<0.0286	<0.0303	**0.0391**	**0.0400**	<0.0295 J3	<0.0319 J3	<0.0294 J3
Acrylonitrile	mg/kg	2.2	0.0017	<0.0143	<0.0151	<0.0139	**0.0147**	<0.0148	<0.016	<0.0147
Benzene	mg/kg	69	0.013	<0.00114	**0.000721 J**	<0.00111	<0.00118	<0.00118	<0.00128	<0.00118
Bromobenzene	mg/kg	280	1.2	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
Bromochloromethane	mg/kg	3300	1.5	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	mg/kg	98	0.18	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Bromoform	mg/kg	280	0.22	<0.0286	<0.0303	<0.0278	<0.0295	<0.0295	<0.0319	<0.0294
Bromomethane	mg/kg	24	0.065	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
n-Butylbenzene	mg/kg	3300	76	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
sec-Butylbenzene	mg/kg	3300	42	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
tert-Butylbenzene	mg/kg	3300	50	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
Carbon tetrachloride	mg/kg	23	0.031	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
Chlorobenzene	mg/kg	320	0.55	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Chlorodibromomethane	mg/kg	72	0.18	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Chloroethane	mg/kg	23000	15	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
Chloroform	mg/kg	8	0.17	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Chloromethane	mg/kg	84	0.2	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
2-Chlorotoluene	mg/kg	1100	4.5	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
4-Chlorotoluene	mg/kg	1600	5.4	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
1,2-Dibromo-3-Chloropropane	mg/kg	0.08	0.00087	<0.0286	<0.0303	<0.0278	<0.0295	<0.0295	<0.0319	<0.0294
1,2-Dibromoethane	mg/kg	2.1	0.0001	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Dibromomethane	mg/kg	42	0.56	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
1,2-Dichlorobenzene	mg/kg	390	8.9	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
1,3-Dichlorobenzene	mg/kg	62	3.4	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
1,4-Dichlorobenzene	mg/kg	250	1.1	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
Dichlorodifluoromethane	mg/kg	750	120	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,1-Dichloroethane	mg/kg	8800	9.2	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,2-Dichloroethane	mg/kg	30	0.0069	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,1-Dichloroethene	mg/kg	1600	0.025	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
cis-1,2-Dichloroethene	mg/kg	120	0.12	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
trans-1,2-Dichloroethene	mg/kg	370	0.25	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
1,2-Dichloropropane	mg/kg	31	0.011	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
1,1-Dichloropropene	mg/kg	26	0.067	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,3-Dichloropropane	mg/kg	26	0.032	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
cis-1,3-Dichloropropene	mg/kg	7.8	0.0033	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
trans-1,3-Dichloropropene	mg/kg	26	0.018	<0.00572	<0.00606	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
2,2-Dichloropropane	mg/kg	31	0.06	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Di-isopropyl ether	mg/kg	3300	6	<0.00114	<0.00121	<0.00111	<0.00118	<0.00118	<0.00128	<0.00118
Ethylbenzene	mg/kg	5300	3.8	**0.0035**	<0.00303	**0.00228 J**	**0.00217 J**	<0.00295	<0.00319	<0.00294
Hexachloro-1,3-butadiene	mg/kg	12	1.6	<0.0286	<0.0303	<0.0278	<0.0295	<0.0295	<0.0319	<0.0294
Isopropylbenzene	mg/kg	3000	170	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
p-Isopropyltoluene	mg/kg	8200	120	<0.00572	**0.022**	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
2-Butanone (MEK)	mg/kg	33000	15	**0.0279 J**	**0.0186 J**	**0.0376**	**0.0327**	<0.0295	<0.0319	<0.0294
Methylene Chloride	mg/kg	1500	0.0065	<0.0286	<0.0303	<0.0278	<0.0295	<0.0295	<0.0319	<0.0294
4-Methyl-2-pentanone (MIBK)	mg/kg	5400	2.5	<0.0286	<0.0303	<0.0278	<0.0295	<0.0295	<0.0319	<0.0294
Methyl tert-butyl ether	mg/kg	590	0.31	<0.00114	<0.00121	<0.00111	<0.00118	<0.00118	<0.00128	<0.00118
Naphthalene	mg/kg	120	16	<0.0143	**0.0135 J**	<0.0139	0.00501 J	<0.0148	<0.016	<0.0147
n-Propylbenzene	mg/kg	1600	22	<0.00572	**0.00243 J**	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
Styrene	mg/kg	4300	1.6	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
1,1,1,2-Tetrachloroethane	mg/kg	39	0.71	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,1,2,2-Tetrachloroethane	mg/kg	30	0.012	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,1,2-Trichlorotrifluoroethane	mg/kg	39000	40000	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Tetrachloroethene	mg/kg	420	0.025	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Toluene	mg/kg	5400	4.1	<0.00572	**0.00218 J**	**0.00221 J**	**0.00327 J**	**0.00233 BJ**	**0.00197 BJ**	**0.00419 BJ**
1,2,3-Trichlorobenzene	mg/kg	87	13	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
1,1,1-Trichloroethane	mg/kg	32000	0.81	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,1,2-Trichloroethane	mg/kg	10	0.01	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Trichloroethene	mg/kg	11	0.017	<0.00114	<0.00121	<0.00111	<0.00118	<0.00118	<0.00128	<0.00118
Trichlorofluoromethane	mg/kg	25000	64	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
1,2,3-Trichloropropane	mg/kg	0.2	0.00027	<0.0143	<0.0151	<0.0139	<0.0147	<0.0148	<0.016	<0.0147
1,2,4-Trimethylbenzene	mg/kg	1200	16	**0.0014 J**	**0.0085**	**0.00170 J**	**0.00168 J**	<0.0059	<0.00639	<0.00589
1,2,3-Trimethylbenzene	mg/kg	1100	11	<0.00572	**0.00499 J**	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
1,3,5-Trimethylbenzene	mg/kg	1100	18	<0.00572	**0.00445 J**	<0.00556	<0.00590	<0.0059	<0.00639	<0.00589
Vinyl chloride	mg/kg	3.4	0.011	<0.00286	<0.00303	<0.00278	<0.00295	<0.00295	<0.00319	<0.00294
Xylenes, Total	mg/kg	3700	61	**0.0158**	<0.00787	**0.0107**	**0.00710 J**	<0.00767	<0.0083	<0.00765

30 Acres PCL
Highlighted Values Exceed State-Specific, Site-Specific, and PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - VOCs

SAMPLE ID				SB-8 24-26	SB-9 15-17	SB-10 28-30	SB-11 2-4	SB-11 11-13	SS-1 (Bottom) - 7'	SS-2 (Stockpile)
DATE COLLECTED				6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	1/3/2020	1/3/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result
Acetone	mg/kg	59000	21	<0.0299 J3	<0.0297 J3	<0.0297 J3	<0.0292 J3	<0.0289 J3	NT	NT
Acrylonitrile	mg/kg	2.2	0.0017	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	NT	NT
Benzene	mg/kg	69	0.013	<0.0012	<0.00119	<0.00119	<0.00117	<0.00116	**0.000503**	<0.000239
Bromobenzene	mg/kg	280	1.2	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.000335	<0.000400
Bromochloromethane	mg/kg	3300	1.5	NT	NT	NT	NT	NT	<0.000508	<0.000607
Bromodichloromethane	mg/kg	98	0.18	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000243	<0.000290
Bromoform	mg/kg	280	0.22	<0.0299	<0.0297	<0.0297	<0.0292	<0.0289	<0.000999	<0.00119
Bromomethane	mg/kg	24	0.065	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.000912	<0.00109
n-Butylbenzene	mg/kg	3300	76	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.000265	<0.000316
sec-Butylbenzene	mg/kg	3300	42	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.000252	<0.000301
tert-Butylbenzene	mg/kg	3300	50	<0.00598	<0.00594	<0.00595	<0.00584	**0.00324 J**	<0.00124	<0.00148
Carbon tetrachloride	mg/kg	23	0.031	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.00159	<0.00190
Chlorobenzene	mg/kg	320	0.55	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000229	<0.000274
Chlorodibromomethane	mg/kg	72	0.18	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.00101	<0.00121
Chloroethane	mg/kg	23000	15	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000429	<0.000513
Chloroform	mg/kg	8	0.17	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000167	<0.000200
Chloromethane	mg/kg	84	0.2	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.000416	<0.000497
2-Chlorotoluene	mg/kg	1100	4.5	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000330	<0.000395
4-Chlorotoluene	mg/kg	1600	5.4	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000255	<0.000305
1,2-Dibromo-3-Chloropropane	mg/kg	0.08	0.00087	<0.0299	<0.0297	<0.0297	<0.0292	<0.0289	<0.000865	<0.00103
1,2-Dibromoethane	mg/kg	2.1	0.0001	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000325	<0.000388
Dibromomethane	mg/kg	42	0.56	<0.00598	<0.00584	<0.00595	<0.00584	<0.00578	<0.000168	<0.000201
1,2-Dichlorobenzene	mg/kg	390	8.9	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000359	<0.000429
1,3-Dichlorobenzene	mg/kg	62	3.4	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000278	<0.000332
1,4-Dichlorobenzene	mg/kg	250	1.1	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000264	<0.000315
Dichlorodifluoromethane	mg/kg	750	120	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000207	<0.000248
1,1-Dichloroethane	mg/kg	8800	9.2	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.00108	<0.00129
1,2-Dichloroethane	mg/kg	30	0.0069	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000294	<0.000351
1,1-Dichloroethene	mg/kg	1600	0.025	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000364	<0.000435
cis-1,2-Dichloroethene	mg/kg	120	0.12	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000420	<0.000501
trans-1,2-Dichloroethene	mg/kg	370	0.25	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000291	<0.000347
1,2-Dichloropropane	mg/kg	31	0.011	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000268	<0.000320
1,1-Dichloropropene	mg/kg	26	0.067	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000192	<0.000229
1,3-Dichloropropane	mg/kg	26	0.032	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000507	<0.000606
cis-1,3-Dichloropropene	mg/kg	7.8	0.0033	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000880	<0.00105
trans-1,3-Dichloropropene	mg/kg	26	0.018	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000434	<0.000518
2,2-Dichloropropane	mg/kg	31	0.06	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000395	<0.000472
Di-isopropyl ether	mg/kg	3300	6	<0.0012	<0.00119	<0.00119	<0.00117	<0.00116	NT	NT
Ethylbenzene	mg/kg	5300	3.8	<0.00299	0.00837	<0.00297	<0.00292	<0.00289	<0.000222	<0.000265
Hexachloro-1,3-butadiene	mg/kg	12	1.6	<0.0299	<0.0297	<0.0297	<0.0292	<0.0289	<0.00193	<0.00231
Isopropylbenzene	mg/kg	3000	170	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000308	<0.000368
p-Isopropyltoluene	mg/kg	8200	120	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000681	<0.000813
2-Butanone (MEK)	mg/kg	33000	15	<0.0299	<0.0297	<0.0297	<0.0292	**0.0175 J**	<0.00353	<0.00421
Methylene Chloride	mg/kg	1500	0.0065	<0.0299	<0.0297	<0.0297	<0.0292	<0.0289	<0.00408	<0.00487
4-Methyl-2-pentanone (MIBK)	mg/kg	5400	2.5	<0.0299	<0.0297	<0.0297	<0.0292	<0.0289	NT	NT
Methyl tert-butyl ether	mg/kg	590	0.31	<0.0012	<0.00119	<0.00119	<0.00117	<0.00116	<0.000395	<0.000472
Naphthalene	mg/kg	120	16	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.00193	<0.00231
n-Propylbenzene	mg/kg	1600	22	<0.00598	<0.00594	<0.00595	<0.00584	<0.00578	<0.000276	<0.000330
Styrene	mg/kg	4300	1.6	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.000199	<0.000237
1,1,1,2-Tetrachloroethane	mg/kg	39	0.71	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000258	<0.000308
1,1,2,2-Tetrachloroethane	mg/kg	30	0.012	<0.00299	<0.00297	<0.00297	<0.00292	**0.130**	<0.000454	<0.000543
1,1,2-Trichlorotrifluoroethane	mg/kg	39000	40000	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	NT	NT
Tetrachloroethene	mg/kg	420	0.025	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000357	<0.000427
Toluene	mg/kg	5400	4.1	**0.00262 BJ**	**0.00320 BJ**	<0.00595	**0.00392 BJ**	**0.00294 BJ**	**0.00412**	<0.00116
1,2,3-Trichlorobenzene	mg/kg	87	13	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.00193	<0.00231
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	<0.00193	<0.00231
1,1,1-Trichloroethane	mg/kg	32000	0.81	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000379	<0.000453
1,1,2-Trichloroethane	mg/kg	10	0.01	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000486	<0.000581
Trichloroethene	mg/kg	11	0.017	<0.0012	<0.00119	<0.00119	<0.00117	<0.00116	<0.000478	<0.000571
Trichlorofluoromethane	mg/kg	25000	64	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000297	<0.000355
1,2,3-Trichloropropane	mg/kg	0.2	0.00027	<0.0149	<0.0149	<0.0149	<0.0146	<0.0145	NT	NT
1,2,4-Trimethylbenzene	mg/kg	1200	16	<0.00598	**0.0114**	<0.00595	<0.00584	<0.00578	<0.000247	**0.000324**
1,2,3-Trimethylbenzene	mg/kg	1100	11	<0.00598	**0.00300 J**	<0.00595	<0.00584	<0.00578	NT	NT
1,3,5-Trimethylbenzene	mg/kg	1100	18	<0.00598	**0.00383 J**	<0.00595	<0.00584	<0.00578	<0.000279	<0.000334
Vinyl chloride	mg/kg	3.4	0.011	<0.00299	<0.00297	<0.00297	<0.00292	<0.00289	<0.000427	<0.000510
Xylenes, Total	mg/kg	3700	61	<0.00777	**0.0448**	<0.00773	<0.00759	<0.00752	<0.000422	<0.000505

30 Acres PCL
Highlighted Values Exceed State-Specific, Site-Specific, and PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - VOCs

SAMPLE ID				SS-3 (East Wall) - 6'	SB-1 0-2	SB-1 2-4	SB-1 4-6	SB-1 6-8	SB-1 8-10	SB-1 13-15
DATE COLLECTED				1/3/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result
Acetone	mg/kg	59000	21	NT	<0.109	<0.0994	<0.115	<0.0930	<0.0875	<0.0878
Acrylonitrile	mg/kg	2.2	0.0017	NT	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.0219
Benzene	mg/kg	69	0.013	<0.000224	**0.00211 J**	<0.00199	<0.0023	<0.00186	<0.00175	<0.00176
Bromobenzene	mg/kg	280	1.2	<0.000374	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.0219
Bromochloromethane	mg/kg	3300	1.5	<0.000568	NT	NT	NT	NT	NT	NT
Bromodichloromethane	mg/kg	98	0.18	<0.000271	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
Bromoform	mg/kg	280	0.22	<0.00112	<0.0547	<0.0497	<0.0576	<0.0465	<0.0438	<0.0439
Bromomethane	mg/kg	24	0.065	<0.00102	<0.0274 J4	<0.0249 J4	<0.0287 J4	<0.0232 J4	<0.0219	<0.0219
n-Butylbenzene	mg/kg	3300	76	<0.000296	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.0219
sec-Butylbenzene	mg/kg	3300	42	<0.000282	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.0219
tert-Butylbenzene	mg/kg	3300	50	<0.00139	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
Carbon tetrachloride	mg/kg	23	0.031	<0.00177	<0.0109	<0.00994	<0.0115	<0.00993	<0.00975	<0.00878
Chlorobenzene	mg/kg	320	0.55	<0.000256	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
Chlorodibromomethane	mg/kg	72	0.18	<0.00113	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
Chloroethane	mg/kg	23000	15	<0.000480	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
Chloroform	mg/kg	8	0.17	<0.000187	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
Chloromethane	mg/kg	84	0.2	<0.000465	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.0219
2-Chlorotoluene	mg/kg	1100	4.5	<0.000369	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
4-Chlorotoluene	mg/kg	1600	5.4	<0.000285	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
1,2-Dibromo-3-Chloropropane	mg/kg	0.08	0.00087	<0.000966	<0.0547	<0.0497	<0.0576	<0.0465	<0.0438	<0.0439
1,2-Dibromoethane	mg/kg	2.1	0.0001	<0.000363	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
Dibromomethane	mg/kg	42	0.56	<0.000188	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
1,2-Dichlorobenzene	mg/kg	390	8.9	<0.000401	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
1,3-Dichlorobenzene	mg/kg	62	3.4	<0.000311	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
1,4-Dichlorobenzene	mg/kg	250	1.1	<0.000294	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
Dichlorodifluoromethane	mg/kg	750	120	<0.000232	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
1,1-Dichloroethane	mg/kg	8800	9.2	<0.00120	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
1,2-Dichloroethane	mg/kg	30	0.0069	<0.000328	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
1,1-Dichloroethene	mg/kg	1600	0.025	<0.000406	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
cis-1,2-Dichloroethene	mg/kg	120	0.12	<0.000469	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
trans-1,2-Dichloroethene	mg/kg	370	0.25	<0.000325	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
1,2-Dichloropropane	mg/kg	31	0.011	<0.000299	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
1,1-Dichloropropene	mg/kg	26	0.067	<0.000214	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
1,3-Dichloropropane	mg/kg	26	0.032	<0.000566	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
cis-1,3-Dichloropropene	mg/kg	7.8	0.0033	<0.000982	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.0878
trans-1,3-Dichloropropene	mg/kg	26	0.018	<0.000484	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.0219
2,2-Dichloropropane	mg/kg	31	0.06	<0.000442	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00176
Di-isopropyl ether	mg/kg	3300	6	NT	<0.00219	<0.00199	<0.0023	<0.00186	<0.00175	<0.0219
Ethylbenzene	mg/kg	5300	3.8	<0.000248	**0.00196 J**	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
Hexachloro-1,3-butadiene	mg/kg	12	1.6	<0.00216	<0.0547	<0.0497	<0.0576	<0.0465	<0.0438	<0.0439
Isopropylbenzene	mg/kg	3000	170	<0.000344	**0.000972 J**	<0.00497	<0.00576	<0.00465	<0.00438	<0.0219
p-Isopropyltoluene	mg/kg	8200	120	<0.000760	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.0219
2-Butanone (MEK)	mg/kg	33000	15	<0.00394	<0.219	**0.142 J**	**0.161 J**	<0.186	<0.175	<0.0219
Methylene Chloride	mg/kg	1500	0.0065	<0.00456	<0.0547	<0.0497	<0.0576	<0.0465	<0.0438	<0.00878
4-Methyl-2-pentanone (MIBK)	mg/kg	5400	2.5	NT	<0.0547	<0.0497	<0.0576	<0.0465	<0.0438	<0.00878
Methyl tert-butyl ether	mg/kg	590	0.31	<0.000441	<0.00219	<0.00199	<0.00230	<0.00186	<0.00175	<0.00439
Naphthalene	mg/kg	120	16	<0.00216	**0.0275 J**	<0.0249	<0.0287	<0.0232	<0.0219 J4	<0.00439 J4
n-Propylbenzene	mg/kg	1600	22	<0.000309	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
Styrene	mg/kg	4300	1.6	<0.000222	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.00439
1,1,1,2-Tetrachloroethane	mg/kg	39	0.71	<0.000288	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.0219
1,1,2,2-Tetrachloroethane	mg/kg	30	0.012	<0.000507	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
1,1,2-Trichlorotrifluoroethane	mg/kg	39000	40000	NT	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00878
Tetrachloroethene	mg/kg	420	0.025	<0.000399	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.0439
Toluene	mg/kg	5400	4.1	<0.00108	**0.00825 J**	**0.00339 J**	**0.00541 J**	**0.00381 J**	**0.00424 J**	**0.00351 J**
1,2,3-Trichlorobenzene	mg/kg	87	13	<0.00216	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.00878
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.00216	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219 J4	<0.00878 J4
1,1,1-Trichloroethane	mg/kg	32000	0.81	<0.000423	<0.00547 J4	<0.00497 J4	<0.00576 J4	<0.00465 J4	<0.00438	<0.00878
1,1,2-Trichloroethane	mg/kg	10	0.01	<0.000543	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00878
Trichloroethene	mg/kg	11	0.017	<0.000534	<0.00219	<0.00199	<0.00230	<0.00186	**0.00149 J**	<0.00439
Trichlorofluoromethane	mg/kg	25000	64	<0.000332	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00439
1,2,3-Trichloropropane	mg/kg	0.2	0.00027	NT	<0.0274	<0.0249	<0.0287	<0.0232	<0.0219	<0.00439
1,2,4-Trimethylbenzene	mg/kg	1200	16	<0.000275	**0.00779 J**	<0.00994	<0.0115	<0.00930	<0.00975	<0.00439
1,2,3-Trimethylbenzene	mg/kg	1100	11	NT	**0.00659 J**	<0.00994	<0.0115	<0.00930	<0.00975	<0.00439
1,3,5-Trimethylbenzene	mg/kg	1100	18	<0.000312	<0.0109	<0.00994	<0.0115	<0.00930	<0.00975	<0.00878
Vinyl chloride	mg/kg	3.4	0.011	<0.000477	<0.00547	<0.00497	<0.00576	<0.00465	<0.00438	<0.00878
Xylenes, Total	mg/kg	3700	61	<0.000472	**0.0177**	<0.0129	<0.0149	<0.0121	<0.0114	<0.00439

30 Acres PCL
Highlighted Values Exceed State-Specific, Site-Specific, and PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - VOCs

SAMPLE ID				SB-1 18-20	SB-1 23-25	SB-1 28-30	SB-2 0-2	SB-2 2-4	SB-2 4-6	SB-2 6-8
DATE COLLECTED				12/7/2020	12/7/2020	12/7/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result
Acetone	mg/kg	59000	21	<0.112	<0.0913	<0.0900	<0.0900	<0.0883	<0.100	<0.112
Acrylonitrile	mg/kg	2.2	0.0017	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
Benzene	mg/kg	69	0.013	<0.00225	<0.00183	<0.00180	<0.00180	<0.00177	<0.00200	<0.00223
Bromobenzene	mg/kg	280	1.2	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
Bromochloromethane	mg/kg	3300	1.5	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	mg/kg	98	0.18	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Bromoform	mg/kg	280	0.22	<0.0562	<0.0457	<0.04500	<0.0450	<0.0442	<0.0500	<0.0559
Bromomethane	mg/kg	24	0.065	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
n-Butylbenzene	mg/kg	3300	76	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
sec-Butylbenzene	mg/kg	3300	42	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
tert-Butylbenzene	mg/kg	3300	50	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
Carbon tetrachloride	mg/kg	23	0.031	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
Chlorobenzene	mg/kg	320	0.55	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Chlorodibromomethane	mg/kg	72	0.18	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Chloroethane	mg/kg	23000	15	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
Chloroform	mg/kg	8	0.17	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Chloromethane	mg/kg	84	0.2	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
2-Chlorotoluene	mg/kg	1100	4.5	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
4-Chlorotoluene	mg/kg	1600	5.4	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,2-Dibromo-3-Chloropropane	mg/kg	0.08	0.00087	<0.0562	<0.0457	<0.0450	<0.0450	<0.0442	<0.0500	<0.0559
1,2-Dibromoethane	mg/kg	2.1	0.0001	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Dibromomethane	mg/kg	42	0.56	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,2-Dichlorobenzene	mg/kg	390	8.9	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,3-Dichlorobenzene	mg/kg	62	3.4	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,4-Dichlorobenzene	mg/kg	250	1.1	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
Dichlorodifluoromethane	mg/kg	750	120	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,1-Dichloroethane	mg/kg	8800	9.2	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,2-Dichloroethane	mg/kg	30	0.0069	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,1-Dichloroethene	mg/kg	1600	0.025	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
cis-1,2-Dichloroethene	mg/kg	120	0.12	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
trans-1,2-Dichloroethene	mg/kg	370	0.25	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,2-Dichloropropane	mg/kg	31	0.011	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,1-Dichloropropene	mg/kg	26	0.067	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,3-Dichloropropane	mg/kg	26	0.032	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
cis-1,3-Dichloropropene	mg/kg	7.8	0.0033	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
trans-1,3-Dichloropropene	mg/kg	26	0.018	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
2,2-Dichloropropane	mg/kg	31	0.06	<0.00562	<0.00457	<0.00450	<0.00450 J4	<0.00442 J4	<0.00500 J4	<0.00559 J4
Di-isopropyl ether	mg/kg	3300	6	<0.00225	<0.00183	<0.00180	<0.00180	<0.00177	<0.00200	<0.00223
Ethylbenzene	mg/kg	5300	3.8	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Hexachloro-1,3-butadiene	mg/kg	12	1.6	<0.0562	<0.0457	<0.0450	<0.0450 J4	<0.0442 J4	<0.0500 J4	<0.0559 J4
Isopropylbenzene	mg/kg	3000	170	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
p-Isopropyltoluene	mg/kg	8200	120	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
2-Butanone (MEK)	mg/kg	33000	15	<0.225	<0.183	**0.121 J**	<0.180	<0.177	<0.200	**0.153 BJ**
Methylene Chloride	mg/kg	1500	0.0065	<0.0562	<0.0457	<0.0450	<0.0450	<0.0442	<0.0500	<0.0559
4-Methyl-2-pentanone (MIBK)	mg/kg	5400	2.5	<0.0562	<0.0457	<0.0450	<0.0450	<0.0442	<0.0500	<0.0559
Methyl tert-butyl ether	mg/kg	590	0.31	<0.00225	<0.00183	<0.00180	<0.00180	<0.00177	<0.00200	<0.00223
Naphthalene	mg/kg	120	16	<0.0281 J4	<0.0228 J4	<0.0226 J4	**0.0361**	<0.0221	<0.0251	<0.0279
n-Propylbenzene	mg/kg	1600	22	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
Styrene	mg/kg	4300	1.6	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
1,1,1,2-Tetrachloroethane	mg/kg	39	0.71	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,1,2,2-Tetrachloroethane	mg/kg	30	0.012	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,1,2-Trichlorotrifluoroethane	mg/kg	39000	40000	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Tetrachloroethene	mg/kg	420	0.025	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Toluene	mg/kg	5400	4.1	**0.00545 J**	**0.00506 J**	**0.00333 J**	**0.004 J**	**0.00335 J**	**0.0049 J**	**0.00598 J**
1,2,3-Trichlorobenzene	mg/kg	87	13	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.0281 J4	<0.0228 J4	<0.0226 J4	<0.0225	<0.0221	<0.0251	<0.0279
1,1,1-Trichloroethane	mg/kg	32000	0.81	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,1,2-Trichloroethane	mg/kg	10	0.01	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Trichloroethene	mg/kg	11	0.017	<0.00225	<0.00183	<0.00180	<0.00180	<0.00177	<0.00200	<0.00223
Trichlorofluoromethane	mg/kg	25000	64	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
1,2,3-Trichloropropane	mg/kg	0.2	0.00027	<0.0281	<0.0228	<0.0226	<0.0225	<0.0221	<0.0251	<0.0279
1,2,4-Trimethylbenzene	mg/kg	1200	16	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,2,3-Trimethylbenzene	mg/kg	1100	11	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
1,3,5-Trimethylbenzene	mg/kg	1100	18	<0.0112	<0.00913	<0.00900	<0.00900	<0.00883	<0.0100	<0.0112
Vinyl chloride	mg/kg	3.4	0.011	<0.00562	<0.00457	<0.00450	<0.00450	<0.00442	<0.00500	<0.00559
Xylenes, Total	mg/kg	3700	61	<0.0146	<0.0119	<0.0117	<0.0117	<0.0115	<0.0130	<0.0145

30 Acres PCL
Highlighted Values Exceed State-Specific, Site-Specific, and PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - VOCs

SAMPLE ID				SB-2 8-10	SB-2 13-15	SB-2 18-20	SB-2 23-25	SB-2 28-30	EB-1 1-3	EB-1 6-8
DATE COLLECTED				12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result
Acetone	mg/kg	59000	21	<0.114	<0.113	<0.117	<0.128	<0.101	<0.0752	<0.0713
Acrylonitrile	mg/kg	2.2	0.0017	<0.0286	<0.0283	<0.0293	<0.0321	<0.0253	<0.0188	<0.0178
Benzene	mg/kg	69	0.013	<0.00229	<0.00226	<0.00235	<0.00256	<0.00202	<0.00150	<0.00143
Bromobenzene	mg/kg	280	1.2	<0.0286	<0.0283	<0.0235	<0.0321	<0.0253	<0.0188	<0.0178
Bromochloromethane	mg/kg	3300	1.5	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	mg/kg	98	0.18	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
Bromoform	mg/kg	280	0.22	<0.0572	<0.0566	<0.0535	<0.0641	<0.0506	<0.0376	<0.0356
Bromomethane	mg/kg	24	0.065	<0.0286	<0.0283	<0.0235	<0.0321	<0.0253	<0.0188	<0.0178
n-Butylbenzene	mg/kg	3300	76	<0.0286	<0.0283	<0.0293	<0.0321	<0.0253	<0.0188	**0.017 J**
sec-Butylbenzene	mg/kg	3300	42	<0.0286	<0.0283	<0.0293	<0.0321	<0.0253	<0.0188	**0.0369**
tert-Butylbenzene	mg/kg	3300	50	<0.0114	<0.0113	<0.0117	<0.0128	<0.0101	<0.00752	**0.00602 J**
Carbon tetrachloride	mg/kg	23	0.031	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
Chlorobenzene	mg/kg	320	0.55	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
Chlorodibromomethane	mg/kg	72	0.18	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
Chloroethane	mg/kg	23000	15	<0.0114	<0.0113	<0.0117	<0.0128	<0.0101	<0.00752	<0.00713
Chloroform	mg/kg	8	0.17	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
Chloromethane	mg/kg	84	0.2	<0.0286	<0.0283	<0.0235	<0.0321	<0.0253	<0.0188	<0.0178
2-Chlorotoluene	mg/kg	1100	4.5	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
4-Chlorotoluene	mg/kg	1600	5.4	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
1,2-Dibromo-3-Chloropropane	mg/kg	0.08	0.00087	<0.0572	<0.0566	<0.0588	<0.0641	<0.0506	<0.0376	<0.0356
1,2-Dibromoethane	mg/kg	2.1	0.0001	<0.00572	<0.00566	<0.00588	<0.00641	<0.00506	<0.00376	<0.00356
Dibromomethane	mg/kg	42	0.56	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
1,2-Dichlorobenzene	mg/kg	390	8.9	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
1,3-Dichlorobenzene	mg/kg	62	3.4	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
1,4-Dichlorobenzene	mg/kg	250	1.1	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
Dichlorodifluoromethane	mg/kg	750	120	<0.00572	<0.00566	<0.00588	<0.00641	<0.00506	<0.00376	<0.00356
1,1-Dichloroethane	mg/kg	8800	9.2	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
1,2-Dichloroethane	mg/kg	30	0.0069	<0.00572	<0.00566	<0.00535	<0.00641	**0.00132 BJ**	<0.00376	<0.00356
1,1-Dichloroethene	mg/kg	1600	0.025	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
cis-1,2-Dichloroethene	mg/kg	120	0.12	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
trans-1,2-Dichloroethene	mg/kg	370	0.25	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
1,2-Dichloropropane	mg/kg	31	0.011	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
1,1-Dichloropropene	mg/kg	26	0.067	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
1,3-Dichloropropane	mg/kg	26	0.032	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
cis-1,3-Dichloropropene	mg/kg	7.8	0.0033	<0.00572	<0.00566	<0.00588	<0.00641	<0.00506	<0.00376	<0.00356
trans-1,3-Dichloropropene	mg/kg	26	0.018	<0.0114	<0.0113	<0.0135	<0.0128	<0.0101	<0.00752	<0.00713
2,2-Dichloropropane	mg/kg	31	0.06	<0.00572 J4	<0.00566 J4	<0.00535 J4	<0.00641 J4	<0.00506 J4	<0.00376	<0.00356
Di-isopropyl ether	mg/kg	3300	6	<0.00229	<0.00226	<0.00235	<0.00256	<0.00202	<0.00150	<0.00143
Ethylbenzene	mg/kg	5300	3.8	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
Hexachloro-1,3-butadiene	mg/kg	12	1.6	<0.0572 J4	<0.0566 J4	<0.0535 J4	<0.0641 J4	<0.0506 J4	<0.0376 J4	<0.0356 J4
Isopropylbenzene	mg/kg	3000	170	<0.00572	<0.00566	<0.00588	<0.00641	<0.00506	**0.000949 J**	**0.00102 J**
p-Isopropyltoluene	mg/kg	8200	120	<0.0114	<0.0113	<0.0117	<0.0128	<0.0101	<0.00752	<0.00713
2-Butanone (MEK)	mg/kg	33000	15	<0.229	**0.145 BJ**	<0.235	<0.256	<0.202	<0.150	<0.143
Methylene Chloride	mg/kg	1500	0.0065	<0.0572	<0.0566	<0.0535	<0.0641	<0.0506	<0.0376	<0.0356
4-Methyl-2-pentanone (MIBK)	mg/kg	5400	2.5	<0.0572	<0.0566	<0.0535	<0.0641	<0.0506	<0.0376	<0.0356
Methyl tert-butyl ether	mg/kg	590	0.31	<0.00229	<0.00226	<0.00235	<0.00256	<0.00202	<0.00150	<0.00143
Naphthalene	mg/kg	120	16	<0.0286	<0.0283	<0.0293	<0.0321	<0.0253	**0.00919 J**	**0.00932 J**
n-Propylbenzene	mg/kg	1600	22	<0.0114	<0.0113	<0.0117	<0.0128	<0.0101	<0.00752	<0.00713
Styrene	mg/kg	4300	1.6	<0.0286	<0.0283	<0.0235	<0.0321	<0.0253	<0.0188	<0.0178
1,1,1,2-Tetrachloroethane	mg/kg	39	0.71	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
1,1,2,2-Tetrachloroethane	mg/kg	30	0.012	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
1,1,2-Trichlorotrifluoroethane	mg/kg	39000	40000	<0.00572	<0.00566	<0.00588	<0.00641	<0.00506	<0.00376	<0.00356
Tetrachloroethene	mg/kg	420	0.025	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
Toluene	mg/kg	5400	4.1	**0.00686 J**	**0.0044 J**	**0.00464 J**	**0.00424 J**	**0.00375 J**	<0.00752	<0.00713
1,2,3-Trichlorobenzene	mg/kg	87	13	<0.0286	<0.0283	<0.0293	<0.0321	<0.0253	<0.0188 J4	<0.0178 J4
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.0286	<0.0283	<0.0235	<0.0321	<0.0253	<0.0188 J4	<0.0178 J4
1,1,1-Trichloroethane	mg/kg	32000	0.81	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
1,1,2-Trichloroethane	mg/kg	10	0.01	<0.00572	<0.00566	<0.00535	<0.00641	<0.00506	<0.00376	<0.00356
Trichloroethene	mg/kg	11	0.017	<0.00229	<0.00226	<0.00235	<0.00256	<0.00202	<0.00150	<0.00143
Trichlorofluoromethane	mg/kg	25000	64	<0.00572	<0.00566	<0.00588	<0.00641	<0.00506	<0.00376	<0.00356
1,2,3-Trichloropropane	mg/kg	0.2	0.00027	<0.0286	<0.0283	<0.0293	<0.0321	<0.0253	<0.0188	<0.0178
1,2,4-Trimethylbenzene	mg/kg	1200	16	<0.0114	<0.0113	<0.0117	<0.0128	<0.0101	<0.00752	<0.00713
1,2,3-Trimethylbenzene	mg/kg	1100	11	<0.0114	<0.0113	<0.0117	<0.0128	<0.0101	<0.00752 J4	<0.00713 J4
1,3,5-Trimethylbenzene	mg/kg	1100	18	<0.0114	<0.0113	<0.0117	<0.0128	<0.0101	<0.00752	<0.00713
Vinyl chloride	mg/kg	3.4	0.011	<0.00572	<0.00566	<0.00588	<0.00641	<0.00506	<0.00376	<0.00356
Xylenes, Total	mg/kg	3700	61	<0.0149	<0.0147	<0.0153	<0.0167	<0.0131	<0.00978	<0.00927

30 Acres PCL
Highlighted Values Exceed State-Specific, Site-Specific, and PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - VOCs

SAMPLE ID				EB-1 26-28	EB-2 3-5
DATE COLLECTED				2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result
Acetone	mg/kg	59000	21	<0.0684	<0.0726
Acrylonitrile	mg/kg	2.2	0.0017	<0.0171	<0.0182
Benzene	mg/kg	69	0.013	<0.00137	<0.00145
Bromobenzene	mg/kg	280	1.2	<0.0171	<0.0182
Bromochloromethane	mg/kg	3300	1.5	NT	NT
Bromodichloromethane	mg/kg	98	0.18	<0.00342	<0.00363
Bromoform	mg/kg	280	0.22	<0.0342	<0.0363
Bromomethane	mg/kg	24	0.065	<0.0171	<0.0182
n-Butylbenzene	mg/kg	3300	76	**0.00813 J**	<0.0182
sec-Butylbenzene	mg/kg	3300	42	**0.0157 J**	<0.0182
tert-Butylbenzene	mg/kg	3300	50	<0.00684	<0.00726
Carbon tetrachloride	mg/kg	23	0.031	<0.00684	<0.00726
Chlorobenzene	mg/kg	320	0.55	<0.00342	<0.00363
Chlorodibromomethane	mg/kg	72	0.18	<0.00342	<0.00363
Chloroethane	mg/kg	23000	15	<0.00684	<0.00726
Chloroform	mg/kg	8	0.17	<0.00342	<0.00363
Chloromethane	mg/kg	84	0.2	<0.0171	<0.0182
2-Chlorotoluene	mg/kg	1100	4.5	<0.00342	<0.00363
4-Chlorotoluene	mg/kg	1600	5.4	<0.00684	<0.00726
1,2-Dibromo-3-Chloropropane	mg/kg	0.08	0.00087	<0.0342	<0.0363
1,2-Dibromoethane	mg/kg	2.1	0.0001	<0.00342	<0.00363
Dibromomethane	mg/kg	42	0.56	<0.00684	<0.00726
1,2-Dichlorobenzene	mg/kg	390	8.9	<0.00684	<0.00726
1,3-Dichlorobenzene	mg/kg	62	3.4	<0.00684	<0.00726
1,4-Dichlorobenzene	mg/kg	250	1.1	<0.00684	<0.00726
Dichlorodifluoromethane	mg/kg	750	120	<0.00342	<0.00363
1,1-Dichloroethane	mg/kg	8800	9.2	<0.00342	<0.00363
1,2-Dichloroethane	mg/kg	30	0.0069	<0.00342	<0.00363
1,1-Dichloroethene	mg/kg	1600	0.025	<0.00342	<0.00363
cis-1,2-Dichloroethene	mg/kg	120	0.12	<0.00342	<0.00363
trans-1,2-Dichloroethene	mg/kg	370	0.25	<0.00684	<0.00726
1,2-Dichloropropane	mg/kg	31	0.011	<0.00684	<0.00726
1,1-Dichloropropene	mg/kg	26	0.067	<0.00342	<0.00363
1,3-Dichloropropane	mg/kg	26	0.032	<0.00684	<0.00726
cis-1,3-Dichloropropene	mg/kg	7.8	0.0033	<0.00342	<0.00363
trans-1,3-Dichloropropene	mg/kg	26	0.018	<0.00684	<0.00726
2,2-Dichloropropane	mg/kg	31	0.06	<0.00342	<0.00363
Di-isopropyl ether	mg/kg	3300	6	<0.00137	<0.00145
Ethylbenzene	mg/kg	5300	3.8	<0.00342	<0.00363
Hexachloro-1,3-butadiene	mg/kg	12	1.6	<0.0342 J4	<0.0363 J4
Isopropylbenzene	mg/kg	3000	170	**0.00382**	<0.00363
p-Isopropyltoluene	mg/kg	8200	120	<0.00684	<0.00726
2-Butanone (MEK)	mg/kg	33000	15	<0.137	<0.145
Methylene Chloride	mg/kg	1500	0.0065	<0.0342	<0.0363
4-Methyl-2-pentanone (MIBK)	mg/kg	5400	2.5	<0.0342	<0.0363
Methyl tert-butyl ether	mg/kg	590	0.31	<0.00137	<0.00145
Naphthalene	mg/kg	120	16	**0.0468**	<0.0182
n-Propylbenzene	mg/kg	1600	22	**0.00768**	<0.00726
Styrene	mg/kg	4300	1.6	<0.0171	<0.0182
1,1,1,2-Tetrachloroethane	mg/kg	39	0.71	<0.00342	<0.00363
1,1,2,2-Tetrachloroethane	mg/kg	30	0.012	<0.00342	<0.00363
1,1,2-Trichlorotrifluoroethane	mg/kg	39000	40000	<0.00342	<0.00363
Tetrachloroethene	mg/kg	420	0.025	<0.00342	<0.00363
Toluene	mg/kg	5400	4.1	<0.00684	<0.00726
1,2,3-Trichlorobenzene	mg/kg	87	13	<0.0171 J4	<0.0182 J4
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.0171 J4	<0.0182 J4
1,1,1-Trichloroethane	mg/kg	32000	0.81	<0.00342	<0.00363
1,1,2-Trichloroethane	mg/kg	10	0.01	<0.00342	<0.00363
Trichloroethene	mg/kg	11	0.017	<0.00137	<0.00145
Trichlorofluoromethane	mg/kg	25000	64	<0.00342	<0.00363
1,2,3-Trichloropropane	mg/kg	0.2	0.00027	<0.0171	<0.0182
1,2,4-Trimethylbenzene	mg/kg	1200	16	<0.00684	<0.00726
1,2,3-Trimethylbenzene	mg/kg	1100	11	<0.00684 J4	<0.00726 J4
1,3,5-Trimethylbenzene	mg/kg	1100	18	<0.00684	<0.00726
Vinyl chloride	mg/kg	3.4	0.011	<0.00342	<0.00363
Xylenes, Total	mg/kg	3700	61	<0.00890	<0.00944

30 Acres PCL
Highlighted Values Exceed State-Specific, Site-Specific, and PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - SVOCs

SAMPLE ID				SB-1 13-15	SB-2 13-15	SB-3 15-17	SB-4 21-23	SB-5 15-17
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/12/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
Acenaphthene	mg/kg	3000	120	<0.0762	<0.0807	**0.0547 J**	<0.0763	<0.0393
Acenaphthylene	mg/kg	3800	200	<0.0762	<0.0807	<0.0741	<0.0763	<0.0393
Anthracene	mg/kg	18000	3400	<0.0762	<0.0807	**0.145**	<0.0763	<0.0393
Benzidine	mg/kg	0.013	0.000006	<0.762	<0.807	<0.741	<0.763	<0.393
Benzo(a)anthracene	mg/kg	41	65	<0.0762	**0.0288 J**	**0.44**	<0.0763	<0.0393
Benzo(b)fluoranthene	mg/kg	41	220	<0.0762	**0.0333 J**	**0.487**	<0.0763	<0.0393
Benzo(k)fluoranthene	mg/kg	420	2200	<0.0762	<0.0807	**0.178**	<0.0763	<0.0393
Benzo(g,h,i)perylene	mg/kg	1800	23000	<0.0762	<0.0807	**0.209**	<0.0763	<0.0393
Benzo(a)pyrene	mg/kg	4.1	3.8	<0.0762	**0.0227 J**	**0.349**	<0.0763	<0.0393
Bis(2-chlorethoxy)methane	mg/kg	2.5	0.0059	<0.762	<0.807	<0.741	<0.763	<0.393
Bis(2-chloroethyl)ether	mg/kg	1.4	0.0011	<0.762	<0.807 J3	<0.741	<0.763	<0.393
2,2-oxybis(1-chloropropane)	mg/kg	41	0.095	<0.762	<0.807 J3	<0.741	<0.763	<0.393
4-Bromophenyl-phenylether	mg/kg	0.27	0.18	<0.762	<0.807	<0.741	<0.763	<0.393
2-Chloronaphthalene	mg/kg	5000	330	<0.0762	<0.0807	<0.0741	<0.0763	<0.0393
4-Chlorophenyl-phenylether	mg/kg	0.15	0.016	<0.762	<0.807	<0.741	<0.763	<0.393
Chrysene	mg/kg	4100	5600	<0.0762	**0.0259 J**	**0.438**	<0.0763	<0.0393
Dibenz(a,h)anthracene	mg/kg	4	7.6	<0.0762	<0.0807	**0.0450 J**	<0.0763	<0.0393
1,2-Dichlorobenzene	mg/kg	390	8.9	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	62	3.4	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	250	1.1	NT	NT	NT	NT	NT
3,3-Dichlorobenzidine	mg/kg	10	0.031	<0.762	<0.807	<0.741	<0.763	<0.393
2,4-Dinitrotoluene	mg/kg	6.9	0.0027	<0.762	<0.807	<0.741	<0.763	<0.393
2,6-Dinitrotoluene	mg/kg	6.9	0.0024	<0.762	<0.807	<0.741	<0.763	<0.393
Fluoranthene	mg/kg	2300	960	<0.0762	**0.0627 J**	**0.970**	<0.0763	<0.0393
Fluorene	mg/kg	2300	150	<0.0762	<0.0807	**0.0408 J**	<0.0763	<0.0393
Hexachlorobenzene	mg/kg	1	0.56	<0.762	<0.807	<0.741	<0.763	<0.393
Hexachloro-1,3-Butadiene	mg/kg	12	1.6	<0.762	<0.807 J3	<0.741	<0.763	<0.393
Hexachlorocyclopentadiene	mg/kg	7.2	9.6	<0.762	<0.807 J6	<0.741	<0.763	<0.393
Hexachloroethane	mg/kg	46	0.64	<0.762	<0.807 J3	<0.741	<0.763	<0.393
Indeno(1,2,3-cd)pyrene	mg/kg	42	630	<0.0762	**0.0191 J**	**0.234**	<0.0763	<0.0393
Isophorone	mg/kg	4900	1.5	<0.762	<0.807	<0.741	<0.763	<0.393
Naphthalene	mg/kg	120	16	<0.0762	<0.0807	<0.0741	<0.0763	<0.0393
Nitrobenzene	mg/kg	34	0.18	<0.762	<0.807	<0.741	<0.763	<0.393
n-Nitrosodimethylamine	mg/kg	0.055	0.000018	<0.762	<0.807	<0.741	<0.763	<0.393
n-Nitrosodiphenylamine	mg/kg	570	1.4	<0.762	<0.807	<0.741	<0.763	<0.393
n-Nitrosodi-n-propylamine	mg/kg	0.4	0.00018	<0.762	<0.807	<0.741	<0.763	<0.393
Phenanthrene	mg/kg	1700	210	<0.0762	**0.0419 J**	**0.549**	<0.0763	<0.0393
Benzylbutyl phthalate	mg/kg	1600	130	<0.762	<0.807	<0.741	<0.763	<0.393
Bis(2-ethylhexyl)phthalate	mg/kg	43	82	<0.762	<0.807	<0.741	<0.763	<0.393
Di-n-butyl phthalate	mg/kg	6200	1700	<0.762	<0.807	<0.741	<0.763	<0.393
Diethyl Phthalate	mg/kg	53000	78	<0.762	<0.807	<0.741	<0.763	<0.393
Dimethyl Phthalate	mg/kg	53000	31	<0.762	<0.807	<0.741	<0.763	<0.393
Di-n-octyl phthalate	mg/kg	640	410000	<0.762	<0.807	<0.741	<0.763	<0.393
Pyrene	mg/kg	1700	560	<0.0762	**0.0516 J**	**0.772**	<0.0763	<0.0393
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.762	<0.807 J3	<0.741	<0.763	<0.393
4-Chloro-3-methylphenol	mg/kg	330	2.3	<0.762	<0.807	<0.741	<0.763	<0.393
2-Chlorophenol	mg/kg	410	0.82	<0.762	<0.807	<0.741	<0.763	<0.393
2,4-Dichlorophenol	mg/kg	200	0.18	<0.762	<0.807	<0.741	<0.763	<0.393
2,4-Dimethylphenol	mg/kg	1300	1.6	<0.762	<0.807	<0.741	<0.763	<0.393
4,6-Dinitro-2-methylphenol	mg/kg	6.7	0.0023	<0.762	<0.807	<0.741	<0.763	<0.393
2,4-Dinitrophenol	mg/kg	130	0.047	<0.762	<0.807 J3	<0.741	<0.763	<0.393
2-Nitrophenol	mg/kg	130	0.067	<0.762	<0.807	<0.741	<0.763	<0.393
4-Nitrophenol	mg/kg	130	0.05	<0.762	<0.807	<0.741	<0.763	<0.393
Pentachlorophenol	mg/kg	0.73	0.0092	<0.762	<0.807	<0.741	<0.763	<0.393
Phenol	mg/kg	950	9.6	<0.762	<0.807	<0.741	<0.763	<0.393
2,4,6-Trichlorophenol	mg/kg	67	0.087	<0.762	<0.807	<0.741	<0.763	<0.393

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - SVOCs

SAMPLE ID				SB-6 28-30	SB-7 22-24	SB-8 24-26	SB-9 15-17	SB-10 28-30
DATE COLLECTED				6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
Acenaphthene	mg/kg	3000	120	<0.0425	<0.0392	<0.0398	**0.0107 J**	<0.0396
Acenaphthylene	mg/kg	3800	200	<0.0425	<0.0392	<0.0398	<0.0396	<0.0396
Anthracene	mg/kg	18000	3400	<0.0425	<0.0392	<0.0398	**0.0219 J**	<0.0396
Benzidine	mg/kg	0.013	0.000006	<0.425	<0.392	<0.398	<0.396	<0.396
Benzo(a)anthracene	mg/kg	41	65	<0.0425	<0.0392	<0.0398	**0.0758**	<0.0396
Benzo(b)fluoranthene	mg/kg	41	220	<0.0425	<0.0392	<0.0398	**0.0841**	<0.0396
Benzo(k)fluoranthene	mg/kg	420	2200	<0.0425	<0.0392	<0.0398	**0.0316 J**	<0.0396
Benzo(g,h,i)perylene	mg/kg	1800	23000	<0.0425	<0.0392	<0.0398	**0.0347 J**	<0.0396
Benzo(a)pyrene	mg/kg	4.1	3.8	<0.0425	<0.0392	<0.0398	**0.0586**	<0.0396
Bis(2-chlorethoxy)methane	mg/kg	2.5	0.0059	<0.425	<0.392	<0.398	<0.396	<0.396
Bis(2-chloroethyl)ether	mg/kg	1.4	0.0011	<0.425	<0.392	<0.398	<0.396	<0.396
2,2-oxybis(1-chloropropane)	mg/kg	41	0.095	<0.425	<0.392	<0.398	<0.396	<0.396
4-Bromophenyl-phenylether	mg/kg	0.27	0.18	<0.425	<0.392	<0.398	<0.396	<0.396
2-Chloronaphthalene	mg/kg	5000	330	<0.0425	<0.0392	<0.0398	<0.0396	<0.0396
4-Chlorophenyl-phenylether	mg/kg	0.15	0.016	<0.425	<0.392	<0.398	<0.396	<0.396
Chrysene	mg/kg	4100	5600	<0.0425	<0.0392	<0.0398	**0.0739**	<0.0396
Dibenz(a,h)anthracene	mg/kg	4	7.6	<0.0425	<0.0392	<0.0398	<0.0396	<0.0396
1,2-Dichlorobenzene	mg/kg	390	8.9	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	62	3.4	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	250	1.1	NT	NT	NT	NT	NT
3,3-Dichlorobenzidine	mg/kg	10	0.031	<0.425	<0.392	<0.398	<0.396	<0.396
2,4-Dinitrotoluene	mg/kg	6.9	0.0027	<0.425	<0.392	<0.398	<0.396	<0.396
2,6-Dinitrotoluene	mg/kg	6.9	0.0024	<0.425	<0.392	<0.398	<0.396	<0.396
Fluoranthene	mg/kg	2300	960	<0.0425	<0.0392	<0.0398	**0.185**	<0.0396
Fluorene	mg/kg	2300	150	<0.0425	<0.0392	<0.0398	<0.0396	<0.0396
Hexachlorobenzene	mg/kg	1	0.56	<0.425	<0.392	<0.398	<0.396	<0.396
Hexachloro-1,3-Butadiene	mg/kg	12	1.6	<0.425	<0.392	<0.398	<0.396	<0.396
Hexachlorocyclopentadiene	mg/kg	7.2	9.6	<0.425	<0.392	<0.398	<0.396	<0.396
Hexachloroethane	mg/kg	46	0.64	<0.425	<0.392	<0.398	<0.396	<0.396
Indeno(1,2,3-cd)pyrene	mg/kg	42	630	<0.0425	<0.0392	<0.0398	**0.0398**	<0.0396
Isophorone	mg/kg	4900	1.5	<0.425	<0.392	<0.398	<0.396	<0.396
Naphthalene	mg/kg	120	16	<0.0425	<0.0392	<0.0398	<0.0396	<0.0396
Nitrobenzene	mg/kg	34	0.18	<0.425	<0.392	<0.398	<0.396	<0.396
n-Nitrosodimethylamine	mg/kg	0.055	0.000018	<0.425	<0.392	<0.398	<0.396	<0.396
n-Nitrosodiphenylamine	mg/kg	570	1.4	<0.425	<0.392	<0.398	<0.396	<0.396
n-Nitrosodi-n-propylamine	mg/kg	0.4	0.00018	<0.425	<0.392	<0.398	<0.396	<0.396
Phenanthrene	mg/kg	1700	210	<0.0425	<0.0392	<0.0398	**0.124**	<0.0396
Benzylbutyl phthalate	mg/kg	1600	130	<0.425	<0.392	<0.398	<0.396	<0.396
Bis(2-ethylhexyl)phthalate	mg/kg	43	82	<0.425	<0.392	<0.398	<0.396	<0.396
Di-n-butyl phthalate	mg/kg	6200	1700	<0.425	<0.392	<0.398	<0.396	<0.396
Diethyl Phthalate	mg/kg	53000	78	<0.425	<0.392	<0.398	<0.396	<0.396
Dimethyl Phthalate	mg/kg	53000	31	<0.425	<0.392	<0.398	<0.396	<0.396
Di-n-octyl phthalate	mg/kg	640	410000	<0.425	<0.392	<0.398	<0.396	<0.396
Pyrene	mg/kg	1700	560	<0.0425	<0.0392	<0.0398	**0.152**	<0.0396
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.425	<0.392	<0.398	<0.396	<0.396
4-Chloro-3-methylphenol	mg/kg	330	2.3	<0.425	<0.392	<0.398	<0.396	<0.396
2-Chlorophenol	mg/kg	410	0.82	<0.425	<0.392	<0.398	<0.396	<0.396
2,4-Dichlorophenol	mg/kg	200	0.18	<0.425	<0.392	<0.398	<0.396	<0.396
2,4-Dimethylphenol	mg/kg	1300	1.6	<0.425	<0.392	<0.398	<0.396	<0.396
4,6-Dinitro-2-methylphenol	mg/kg	6.7	0.0023	<0.425	<0.392	<0.398	<0.396	<0.396
2,4-Dinitrophenol	mg/kg	130	0.047	<0.425	<0.392	<0.398	<0.396	<0.396
2-Nitrophenol	mg/kg	130	0.067	<0.425	<0.392	<0.398	<0.396	<0.396
4-Nitrophenol	mg/kg	130	0.05	<0.425	<0.392	<0.398	<0.396	<0.396
Pentachlorophenol	mg/kg	0.73	0.0092	<0.425	<0.392	<0.398	<0.396	<0.396
Phenol	mg/kg	950	9.6	<0.425	<0.392	<0.398	<0.396	<0.396
2,4,6-Trichlorophenol	mg/kg	67	0.087	<0.425	<0.392	<0.398	<0.396	<0.396

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - SVOCs

SAMPLE ID				SB-11 2-4	SB-11 11-13	SS-2 (Stockpile)	SB-1 0-2	SB-1 2-4
DATE COLLECTED				6/12/2019	6/12/2019	1/3/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
Acenaphthene	mg/kg	3000	120	<0.0389	<0.0385	<0.00271	**0.0129 J**	<0.0398
Acenaphthylene	mg/kg	3800	200	<0.0389	<0.0385	<0.00286	**0.109**	<0.0398
Anthracene	mg/kg	18000	3400	<0.0389	<0.0385	**0.0402**	**0.258**	<0.0398
Benzidine	mg/kg	0.013	0.000006	<0.389	<0.385	NS	<3.89	<2.00
Benzo(a)anthracene	mg/kg	41	65	<0.0389	<0.0385	**0.291**	**1.09**	<0.0398
Benzo(b)fluoranthene	mg/kg	41	220	<0.0389	<0.0385	**0.368**	**1.37**	<0.0398
Benzo(k)fluoranthene	mg/kg	420	2200	<0.0389	<0.0385	**0.128**	**0.477**	<0.0398
Benzo(g,h,i)perylene	mg/kg	1800	23000	<0.0389	<0.0385	**0.211**	**0.632**	<0.0398
Benzo(a)pyrene	mg/kg	4.1	3.8	<0.0389	<0.0385	**0.3**	**1.21**	<0.0398
Bis(2-chlorethoxy)methane	mg/kg	2.5	0.0059	<0.389	<0.385	NT	<0.775	<0.398
Bis(2-chloroethyl)ether	mg/kg	1.4	0.0011	<0.389	<0.385	NT	<0.775	<0.398
2,2-oxybis(1-chloropropane)	mg/kg	41	0.095	<0.389	<0.385	NT	<0.775	<0.398
4-Bromophenyl-phenylether	mg/kg	0.27	0.18	<0.389	<0.385	NT	<0.775	<0.398
2-Chloronaphthalene	mg/kg	5000	330	<0.0389	<0.0385	NT	<0.0775	<0.0398
4-Chlorophenyl-phenylether	mg/kg	0.15	0.016	<0.389	<0.385	NT	<0.775	<0.398
Chrysene	mg/kg	4100	5600	<0.0389	<0.0385	**0.329**	**1.0**	<0.0398
Dibenz(a,h)anthracene	mg/kg	4	7.6	<0.0389	<0.0385	**0.0519**	**0.135**	<0.0398
1,2-Dichlorobenzene	mg/kg	390	8.9	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	62	3.4	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	250	1.1	NT	NT	NT	NT	NT
3,3-Dichlorobenzidine	mg/kg	10	0.031	<0.389	<0.385	NT	<0.775	<0.398
2,4-Dinitrotoluene	mg/kg	6.9	0.0027	<0.389	<0.385	NT	<0.775	<0.398
2,6-Dinitrotoluene	mg/kg	6.9	0.0024	<0.389	<0.385	NT	<0.775	<0.398
Fluoranthene	mg/kg	2300	960	<0.0389	**0.0113 J**	**0.42**	**2.39**	<0.0398
Fluorene	mg/kg	2300	150	<0.0389	<0.0385	**0.00916**	**0.0419 J**	<0.0398
Hexachlorobenzene	mg/kg	1	0.56	<0.389	<0.385	NT	<0.775	<0.398
Hexachloro-1,3-Butadiene	mg/kg	12	1.6	<0.389	<0.385	NT	<0.775	<0.398
Hexachlorocyclopentadiene	mg/kg	7.2	9.6	<0.389	<0.385	NT	<0.775	<0.398
Hexachloroethane	mg/kg	46	0.64	<0.389	<0.385	NT	<0.775	<0.398
Indeno(1,2,3-cd)pyrene	mg/kg	42	630	<0.0389	<0.0385	**0.146**	**0.753**	<0.0398
Isophorone	mg/kg	4900	1.5	<0.389	<0.385	NT	<0.775	<0.398
Naphthalene	mg/kg	120	16	<0.0389	<0.0385	**0.00675**	**0.0782**	<0.0398
Nitrobenzene	mg/kg	34	0.18	<0.389	<0.385	NT	<0.775	<0.398
n-Nitrosodimethylamine	mg/kg	0.055	0.000018	<0.389	<0.385	NT	<0.775	<0.398
n-Nitrosodiphenylamine	mg/kg	570	1.4	<0.389	<0.385	NT	<0.775	<0.398
n-Nitrosodi-n-propylamine	mg/kg	0.4	0.00018	<0.389	<0.385	NT	<0.775	<0.398
Phenanthrene	mg/kg	1700	210	<0.0389	<0.0385	**0.0793**	**0.89**	<0.0398
Benzylbutyl phthalate	mg/kg	1600	130	<0.389	<0.385	NT	<0.775	<0.398
Bis(2-ethylhexyl)phthalate	mg/kg	43	82	<0.389	<0.385	NT	<0.775	<0.398
Di-n-butyl phthalate	mg/kg	6200	1700	<0.389	<0.385	NT	<0.775	<0.398
Diethyl Phthalate	mg/kg	53000	78	<0.389	<0.385	NT	<0.775	<0.398
Dimethyl Phthalate	mg/kg	53000	31	<0.389	<0.385	NT	<0.775	<0.398
Di-n-octyl phthalate	mg/kg	640	410000	<0.389	<0.385	NT	<0.775	<0.398
Pyrene	mg/kg	1700	560	<0.0389	**0.0302 J**	**0.57**	**1.86**	<0.0398
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.389	<0.385	NT	<0.775	<0.398
4-Chloro-3-methylphenol	mg/kg	330	2.3	<0.389	<0.385	NT	<0.775	<0.398
2-Chlorophenol	mg/kg	410	0.82	<0.389	<0.385	NT	<0.775	<0.398
2,4-Dichlorophenol	mg/kg	200	0.18	<0.389	<0.385	NT	<0.775	<0.398
2,4-Dimethylphenol	mg/kg	1300	1.6	<0.389	<0.385	NT	<0.775	<0.398
4,6-Dinitro-2-methylphenol	mg/kg	6.7	0.0023	<0.389	<0.385	NT	<0.775	<0.398
2,4-Dinitrophenol	mg/kg	130	0.047	<0.389	<0.385	NT	<0.775	<0.398
2-Nitrophenol	mg/kg	130	0.067	<0.389	<0.385	NT	<0.775	<0.398
4-Nitrophenol	mg/kg	130	0.05	<0.389	<0.385	NT	<0.775	<0.398
Pentachlorophenol	mg/kg	0.73	0.0092	<0.389	<0.385	NT	<0.775	<0.398
Phenol	mg/kg	950	9.6	<0.389	<0.385	NT	<0.775	<0.398
2,4,6-Trichlorophenol	mg/kg	67	0.087	<0.389	<0.385	NT	<0.775	<0.398

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - SVOCs

SAMPLE ID				SB-1 4-6	SB-1 6-8	SB-1 8-10	SB-1 13-15	SB-1 18-20	SB-1 23-25
DATE COLLECTED				12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acenaphthene	mg/kg	3000	120	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Acenaphthylene	mg/kg	3800	200	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Anthracene	mg/kg	18000	3400	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Benzidine	mg/kg	0.013	0.000006	<2.14	<1.99	<1.95	<1.92	<2.16	<1.90
Benzo(a)anthracene	mg/kg	41	65	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Benzo(b)fluoranthene	mg/kg	41	220	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Benzo(k)fluoranthene	mg/kg	420	2200	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Benzo(g,h,i)perylene	mg/kg	1800	23000	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Benzo(a)pyrene	mg/kg	4.1	3.8	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Bis(2-chlorethoxy)methane	mg/kg	2.5	0.0059	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Bis(2-chloroethyl)ether	mg/kg	1.4	0.0011	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2,2-oxybis(1-chloropropane)	mg/kg	41	0.095	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
4-Bromophenyl-phenylether	mg/kg	0.27	0.18	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2-Chloronaphthalene	mg/kg	5000	330	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
4-Chlorophenyl-phenylether	mg/kg	0.15	0.016	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Chrysene	mg/kg	4100	5600	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Dibenz(a,h)anthracene	mg/kg	4	7.6	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
1,2-Dichlorobenzene	mg/kg	390	8.9	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	62	3.4	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	250	1.1	NT	NT	NT	NT	NT	NT
3,3-Dichlorobenzidine	mg/kg	10	0.031	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2,4-Dinitrotoluene	mg/kg	6.9	0.0027	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2,6-Dinitrotoluene	mg/kg	6.9	0.0024	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Fluoranthene	mg/kg	2300	960	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Fluorene	mg/kg	2300	150	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Hexachlorobenzene	mg/kg	1	0.56	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Hexachloro-1,3-Butadiene	mg/kg	12	1.6	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Hexachlorocyclopentadiene	mg/kg	7.2	9.6	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Hexachloroethane	mg/kg	46	0.64	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Indeno(1,2,3-cd)pyrene	mg/kg	42	630	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Isophorone	mg/kg	4900	1.5	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Naphthalene	mg/kg	120	16	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Nitrobenzene	mg/kg	34	0.18	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
n-Nitrosodimethylamine	mg/kg	0.055	0.000018	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
n-Nitrosodiphenylamine	mg/kg	570	1.4	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
n-Nitrosodi-n-propylamine	mg/kg	0.4	0.00018	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Phenanthrene	mg/kg	1700	210	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
Benzylbutyl phthalate	mg/kg	1600	130	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Bis(2-ethylhexyl)phthalate	mg/kg	43	82	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Di-n-butyl phthalate	mg/kg	6200	1700	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Diethyl Phthalate	mg/kg	53000	78	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Dimethyl Phthalate	mg/kg	53000	31	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Di-n-octyl phthalate	mg/kg	640	410000	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Pyrene	mg/kg	1700	560	<0.0428	<0.0397	<0.0390	<0.0382	<0.0431	<0.0378
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
4-Chloro-3-methylphenol	mg/kg	330	2.3	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2-Chlorophenol	mg/kg	410	0.82	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2,4-Dichlorophenol	mg/kg	200	0.18	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2,4-Dimethylphenol	mg/kg	1300	1.6	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
4,6-Dinitro-2-methylphenol	mg/kg	6.7	0.0023	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2,4-Dinitrophenol	mg/kg	130	0.047	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2-Nitrophenol	mg/kg	130	0.067	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
4-Nitrophenol	mg/kg	130	0.05	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Pentachlorophenol	mg/kg	0.73	0.0092	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
Phenol	mg/kg	950	9.6	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378
2,4,6-Trichlorophenol	mg/kg	67	0.087	<0.428	<0.397	<0.390	<0.382	<0.431	<0.378

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - SVOCs

SAMPLE ID				SB-1 28-30	SB-2 0-2	SB-2 2-4	SB-2 4-6	SB-2 6-8	SB-2 8-10
DATE COLLECTED				12/7/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acenaphthene	mg/kg	3000	120	<0.0385	<0.0382	<0.0372	<0.0387	<0.0432	<0.0421
Acenaphthylene	mg/kg	3800	200	<0.0385	<0.0382	<0.0372	<0.0387	<0.0432	<0.0421
Anthracene	mg/kg	18000	3400	<0.0385	<0.0382	<0.0372	<0.0387	<0.0432	<0.0421
Benzidine	mg/kg	0.013	0.000006	<1.93	<1.92	<1.86	<1.94	<2.17	<2.11
Benzo(a)anthracene	mg/kg	41	65	<0.0385	<0.0382	**0.0317 J**	<0.0387	<0.0432	<0.0421
Benzo(b)fluoranthene	mg/kg	41	220	<0.0385	<0.0382	**0.0436**	<0.0387	<0.0432	<0.0421
Benzo(k)fluoranthene	mg/kg	420	2200	<0.0385	<0.0382	**0.0141 J**	<0.0387	<0.0432	<0.0421
Benzo(g,h,i)perylene	mg/kg	1800	23000	<0.0385	<0.0382	**0.0232 J**	<0.0387	<0.0432	<0.0421
Benzo(a)pyrene	mg/kg	4.1	3.8	<0.0385	<0.0382	**0.0428**	<0.0387	<0.0432	<0.0421
Bis(2-chlorethoxy)methane	mg/kg	2.5	0.0059	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Bis(2-chloroethyl)ether	mg/kg	1.4	0.0011	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2,2-oxybis(1-chloropropane)	mg/kg	41	0.095	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
4-Bromophenyl-phenylether	mg/kg	0.27	0.18	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2-Chloronaphthalene	mg/kg	5000	330	<0.0385	<0.0382	<0.0372	<0.0387	<0.0432	<0.0421
4-Chlorophenyl-phenylether	mg/kg	0.15	0.016	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Chrysene	mg/kg	4100	5600	<0.0385	<0.0382	**0.0319 J**	<0.0387	<0.0432	<0.0421
Dibenz(a,h)anthracene	mg/kg	4	7.6	<0.0385	<0.0382	<0.0372	<0.0387	<0.0432	<0.0421
1,2-Dichlorobenzene	mg/kg	390	8.9	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	62	3.4	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	250	1.1	NT	NT	NT	NT	NT	NT
3,3-Dichlorobenzidine	mg/kg	10	0.031	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2,4-Dinitrotoluene	mg/kg	6.9	0.0027	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2,6-Dinitrotoluene	mg/kg	6.9	0.0024	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Fluoranthene	mg/kg	2300	960	<0.0385	**0.00700 J**	**0.0503**	<0.0387	<0.0432	<0.0421
Fluorene	mg/kg	2300	150	<0.0385	<0.0382	<0.0372	<0.0387	<0.0432	<0.0421
Hexachlorobenzene	mg/kg	1	0.56	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Hexachloro-1,3-Butadiene	mg/kg	12	1.6	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Hexachlorocyclopentadiene	mg/kg	7.2	9.6	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Hexachloroethane	mg/kg	46	0.64	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Indeno(1,2,3-cd)pyrene	mg/kg	42	630	<0.0385	<0.0382	**0.0263 J**	<0.0387	<0.0432	<0.0421
Isophorone	mg/kg	4900	1.5	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Naphthalene	mg/kg	120	16	<0.0385	<0.0382	<0.0372	<0.0387	<0.0432	<0.0421
Nitrobenzene	mg/kg	34	0.18	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
n-Nitrosodimethylamine	mg/kg	0.055	0.000018	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
n-Nitrosodiphenylamine	mg/kg	570	1.4	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
n-Nitrosodi-n-propylamine	mg/kg	0.4	0.00018	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Phenanthrene	mg/kg	1700	210	<0.0385	<0.0382	**0.0128 J**	<0.0387	<0.0432	<0.0421
Benzylbutyl phthalate	mg/kg	1600	130	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Bis(2-ethylhexyl)phthalate	mg/kg	43	82	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Di-n-butyl phthalate	mg/kg	6200	1700	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Diethyl Phthalate	mg/kg	53000	78	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Dimethyl Phthalate	mg/kg	53000	31	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Di-n-octyl phthalate	mg/kg	640	410000	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Pyrene	mg/kg	1700	560	<0.0385	<0.0382	**0.0406**	<0.0387	<0.0432	<0.0421
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
4-Chloro-3-methylphenol	mg/kg	330	2.3	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2-Chlorophenol	mg/kg	410	0.82	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2,4-Dichlorophenol	mg/kg	200	0.18	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2,4-Dimethylphenol	mg/kg	1300	1.6	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
4,6-Dinitro-2-methylphenol	mg/kg	6.7	0.0023	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2,4-Dinitrophenol	mg/kg	130	0.047	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2-Nitrophenol	mg/kg	130	0.067	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
4-Nitrophenol	mg/kg	130	0.05	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Pentachlorophenol	mg/kg	0.73	0.0092	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
Phenol	mg/kg	950	9.6	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421
2,4,6-Trichlorophenol	mg/kg	67	0.087	<0.385	<0.382	<0.372	<0.387	<0.432	<0.421

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - SVOCs

SAMPLE ID				SB-2 13-15	SB-2 18-20	SB-2 23-25	SB-2 28-30	EB-1 1-3	EB-1 6-8
DATE COLLECTED				12/8/2020	12/8/2020	12/8/2020	12/8/2020	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acenaphthene	mg/kg	3000	120	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Acenaphthylene	mg/kg	3800	200	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Anthracene	mg/kg	18000	3400	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Benzidine	mg/kg	0.013	0.000006	<2.36	<2.14	<2.10	<2.10	<2.08	<1.97
Benzo(a)anthracene	mg/kg	41	65	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Benzo(b)fluoranthene	mg/kg	41	220	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Benzo(k)fluoranthene	mg/kg	420	2200	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Benzo(g,h,i)perylene	mg/kg	1800	23000	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Benzo(a)pyrene	mg/kg	4.1	3.8	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Bis(2-chlorethoxy)methane	mg/kg	2.5	0.0059	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Bis(2-chloroethyl)ether	mg/kg	1.4	0.0011	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2,2-oxybis(1-chloropropane)	mg/kg	41	0.095	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
4-Bromophenyl-phenylether	mg/kg	0.27	0.18	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2-Chloronaphthalene	mg/kg	5000	330	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
4-Chlorophenyl-phenylether	mg/kg	0.15	0.016	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Chrysene	mg/kg	4100	5600	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Dibenz(a,h)anthracene	mg/kg	4	7.6	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
1,2-Dichlorobenzene	mg/kg	390	8.9	NT	NT	NT	NT	<0.415	<0.394
1,3-Dichlorobenzene	mg/kg	62	3.4	NT	NT	NT	NT	<0.415	<0.394
1,4-Dichlorobenzene	mg/kg	250	1.1	NT	NT	NT	NT	<0.415	<0.394
3,3-Dichlorobenzidine	mg/kg	10	0.031	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2,4-Dinitrotoluene	mg/kg	6.9	0.0027	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2,6-Dinitrotoluene	mg/kg	6.9	0.0024	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Fluoranthene	mg/kg	2300	960	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Fluorene	mg/kg	2300	150	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Hexachlorobenzene	mg/kg	1	0.56	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Hexachloro-1,3-Butadiene	mg/kg	12	1.6	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Hexachlorocyclopentadiene	mg/kg	7.2	9.6	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Hexachloroethane	mg/kg	46	0.64	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Indeno(1,2,3-cd)pyrene	mg/kg	42	630	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Isophorone	mg/kg	4900	1.5	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Naphthalene	mg/kg	120	16	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Nitrobenzene	mg/kg	34	0.18	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
n-Nitrosodimethylamine	mg/kg	0.055	0.000018	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
n-Nitrosodiphenylamine	mg/kg	570	1.4	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
n-Nitrosodi-n-propylamine	mg/kg	0.4	0.00018	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Phenanthrene	mg/kg	1700	210	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
Benzylbutyl phthalate	mg/kg	1600	130	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Bis(2-ethylhexyl)phthalate	mg/kg	43	82	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Di-n-butyl phthalate	mg/kg	6200	1700	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Diethyl Phthalate	mg/kg	53000	78	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Dimethyl Phthalate	mg/kg	53000	31	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Di-n-octyl phthalate	mg/kg	640	410000	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Pyrene	mg/kg	1700	560	<0.0470	<0.0427	<0.0418	<0.0420	<0.0415	<0.0394
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
4-Chloro-3-methylphenol	mg/kg	330	2.3	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2-Chlorophenol	mg/kg	410	0.82	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2,4-Dichlorophenol	mg/kg	200	0.18	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2,4-Dimethylphenol	mg/kg	1300	1.6	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
4,6-Dinitro-2-methylphenol	mg/kg	6.7	0.0023	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2,4-Dinitrophenol	mg/kg	130	0.047	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2-Nitrophenol	mg/kg	130	0.067	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
4-Nitrophenol	mg/kg	130	0.05	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
Pentachlorophenol	mg/kg	0.73	0.0092	<0.470	<0.427	<0.418	<0.418	<0.415	<0.394
Phenol	mg/kg	950	9.6	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394
2,4,6-Trichlorophenol	mg/kg	67	0.087	<0.470	<0.427	<0.418	<0.420	<0.415	<0.394

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - SVOCs

SAMPLE ID				EB-1 26-28	EB-2 3-5
DATE COLLECTED				2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result
Acenaphthene	mg/kg	3000	120	<0.0385	<0.0399
Acenaphthylene	mg/kg	3800	200	<0.0385	<0.0399
Anthracene	mg/kg	18000	3400	<0.0385	<0.0399
Benzidine	mg/kg	0.013	0.000006	<1.93	<2.00
Benzo(a)anthracene	mg/kg	41	65	<0.0385	<0.0399
Benzo(b)fluoranthene	mg/kg	41	220	<0.0385	<0.0399
Benzo(k)fluoranthene	mg/kg	420	2200	<0.0385	<0.0399
Benzo(g,h,i)perylene	mg/kg	1800	23000	<0.0385	<0.0399
Benzo(a)pyrene	mg/kg	4.1	3.8	<0.0385	<0.0399
Bis(2-chlorethoxy)methane	mg/kg	2.5	0.0059	<0.385	<0.399
Bis(2-chloroethyl)ether	mg/kg	1.4	0.0011	<0.385	<0.399
2,2-oxybis(1-chloropropane)	mg/kg	41	0.095	<0.385	<0.399
4-Bromophenyl-phenylether	mg/kg	0.27	0.18	<0.385	<0.399
2-Chloronaphthalene	mg/kg	5000	330	<0.0385	<0.0399
4-Chlorophenyl-phenylether	mg/kg	0.15	0.016	<0.385	<0.399
Chrysene	mg/kg	4100	5600	<0.0385	<0.0399
Dibenz(a,h)anthracene	mg/kg	4	7.6	<0.0385	<0.0399
1,2-Dichlorobenzene	mg/kg	390	8.9	<0.385	<0.399
1,3-Dichlorobenzene	mg/kg	62	3.4	<0.385	<0.399
1,4-Dichlorobenzene	mg/kg	250	1.1	<0.385	<0.399
3,3-Dichlorobenzidine	mg/kg	10	0.031	<0.385	<0.399
2,4-Dinitrotoluene	mg/kg	6.9	0.0027	<0.385	<0.399
2,6-Dinitrotoluene	mg/kg	6.9	0.0024	<0.385	<0.399
Fluoranthene	mg/kg	2300	960	<0.0385	<0.0399
Fluorene	mg/kg	2300	150	**0.0141 J**	<0.0399
Hexachlorobenzene	mg/kg	1	0.56	<0.385	<0.399
Hexachloro-1,3-Butadiene	mg/kg	12	1.6	<0.385	<0.399
Hexachlorocyclopentadiene	mg/kg	7.2	9.6	<0.385	<0.399
Hexachloroethane	mg/kg	46	0.64	<0.385	<0.399
Indeno(1,2,3-cd)pyrene	mg/kg	42	630	<0.0385	<0.0399
Isophorone	mg/kg	4900	1.5	<0.385	<0.399
Naphthalene	mg/kg	120	16	**0.0196 J**	<0.0399
Nitrobenzene	mg/kg	34	0.18	<0.385	<0.399
n-Nitrosodimethylamine	mg/kg	0.055	0.000018	<0.385	<0.399
n-Nitrosodiphenylamine	mg/kg	570	1.4	<0.385	<0.399
n-Nitrosodi-n-propylamine	mg/kg	0.4	0.00018	<0.385	<0.399
Phenanthrene	mg/kg	1700	210	**0.0218 J**	<0.0399
Benzylbutyl phthalate	mg/kg	1600	130	<0.385	<0.399
Bis(2-ethylhexyl)phthalate	mg/kg	43	82	<0.385	<0.399
Di-n-butyl phthalate	mg/kg	6200	1700	<0.385	<0.399
Diethyl Phthalate	mg/kg	53000	78	<0.385	<0.399
Dimethyl Phthalate	mg/kg	53000	31	<0.385	<0.399
Di-n-octyl phthalate	mg/kg	640	410000	<0.385	<0.399
Pyrene	mg/kg	1700	560	<0.0385	<0.0399
1,2,4-Trichlorobenzene	mg/kg	70	2.4	<0.385	<0.399
4-Chloro-3-methylphenol	mg/kg	330	2.3	<0.385	<0.399
2-Chlorophenol	mg/kg	410	0.82	<0.385	<0.399
2,4-Dichlorophenol	mg/kg	200	0.18	<0.385	<0.399
2,4-Dimethylphenol	mg/kg	1300	1.6	<0.385	<0.399
4,6-Dinitro-2-methylphenol	mg/kg	6.7	0.0023	<0.385	<0.399
2,4-Dinitrophenol	mg/kg	130	0.047	<0.385	<0.399
2-Nitrophenol	mg/kg	130	0.067	<0.385	<0.399
4-Nitrophenol	mg/kg	130	0.05	<0.385	<0.399
Pentachlorophenol	mg/kg	0.73	0.0092	<0.385	<0.399
Phenol	mg/kg	950	9.6	<0.385	<0.399
2,4,6-Trichlorophenol	mg/kg	67	0.087	<0.385	<0.399

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				SB-1 13-15	SB-2 13-15	SB-3 15-17	SB-4 21-23	SB-5 15-17
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/12/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
TPH C6 - C12	mg/kg	1100	33	<57.2	<60.6	<55.6	<57.3	<59.0
TPH C12 - C28	mg/kg	2000	99	<57.2	<60.6	<55.6	<57.3	<59.0
TPH C28 - C35	mg/kg	2000	99	<57.2	<60.6	<55.6	<57.3	<59.0
TPH C6 - C35	mg/kg	2000	99	<57.2	<60.6	<55.6	<57.3	<59.0

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				SB-6 28-30	SB-7 22-24	SB-8 24-26	SB-9 15-17	SB-10 28-30
DATE COLLECTED				6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
TPH C6 - C12	mg/kg	1100	33	<63.9	<58.9	<59.8	<59.4	<59.5
TPH C12 - C28	mg/kg	2000	99	<63.9	<58.9	<59.8	<59.4	<59.5
TPH C28 - C35	mg/kg	2000	99	**39.7 J**	<58.9	<59.8	<59.4	<59.5
TPH C6 - C35	mg/kg	2000	99	**39.7 J**	<58.9	<59.8	<59.4	<59.5

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				SB-11 2-4	SB-11 11-13	SS-1 (Bottom) - 7'	SS-2 (Stockpile)	SS-3 (East Wall) - 6'
DATE COLLECTED				6/12/2019	6/12/2019	1/3/2020	1/3/2020	1/3/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
TPH C6 - C12	mg/kg	1100	33	<58.4	38.3 J	<19.4	62.6	<24.7
TPH C12 - C28	mg/kg	2000	99	<58.4	525	<19.4	1690	<24.7
TPH C28 - C35	mg/kg	2000	99	<58.4	**94.6**	<19.4	**65.3**	**25.4**
TPH C6 - C35	mg/kg	2000	99	<58.4	658	<19.4	1820	**25.4**

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				SB-1 0-2	SB-1 2-4	SB-1 4-6	SB-1 6-8	SB-1 8-10
DATE COLLECTED				12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
TPH C6 - C12	mg/kg	1100	33	<58.2	<59.8 J3	<64.2 J3	<59.6 J3	<58.5 J3
TPH C12 - C28	mg/kg	2000	99	**87.5**	<59.8 J3	<64.2 J3	<59.6 J3	<58.5 J3
TPH C28 - C35	mg/kg	2000	99	**81.7**	<59.8	<64.2	<59.6	<58.3
TPH C6 - C35	mg/kg	2000	99	169	<59.8 J3	<64.2 J3	<59.6 J3	<58.5 J3

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				SB-1 13-15	SB-1 18-20	SB-1 23-25	SB-1 28-30	SB-2 0-2
DATE COLLECTED				12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
TPH C6 - C12	mg/kg	1100	33	<57.4 J3	<64.7 J3	<56.8 J3	<57.8 J3	<57.4
TPH C12 - C28	mg/kg	2000	99	<57.4 J3	<64.7 J3	<56.8 J3	<57.8 J3	<57.4
TPH C28 - C35	mg/kg	2000	99	<57.4	<64.7	<56.8	<57.8	<57.4
TPH C6 - C35	mg/kg	2000	99	<57.4 J3	<64.7 J3	<56.8 J3	<57.8 J3	<57.4

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				SB-2 2-4	SB-2 4-6	SB-2 6-8	SB-2 8-10	SB-2 13-15
DATE COLLECTED				12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
TPH C6 - C12	mg/kg	1100	33	<55.8	<58.1	<64.9	<63.2	<70.6
TPH C12 - C28	mg/kg	2000	99	<55.8	<58.1	<64.9	<63.2	<70.6
TPH C28 - C35	mg/kg	2000	99	<55.8	<58.1	<64.9	<63.2	<70.6
TPH C6 - C35	mg/kg	2000	99	<55.8	<58.1	<64.9	<63.2	<70.6

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				SB-2 18-20	SB-2 23-25	SB-2 28-30	EB-1 1-3	EB-1 6-8
DATE COLLECTED				12/8/2020	12/8/2020	12/8/2020	2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
TPH C6 - C12	mg/kg	1100	33	<64.2	<62.8	<63.0	<62.4	<59.1
TPH C12 - C28	mg/kg	2000	99	<64.2	<62.8	<63.0	<62.4	**30 J**
TPH C28 - C35	mg/kg	2000	99	<64.2	<62.8	<63.0	<62.4	<59.1
TPH C6 - C35	mg/kg	2000	99	<64.2	<62.8	<63.0	<62.4	**30 J**

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - TPH

SAMPLE ID				EB-1 26-28	EB-2 3-5
DATE COLLECTED				2/22/2021	2/22/2021
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result
TPH C6 - C12	mg/kg	1100	33	<57.8	<59.9
TPH C12 - C28	mg/kg	2000	99	**18.4 J**	<59.9
TPH C28 - C35	mg/kg	2000	99	<57.8	**21.8 J**
TPH C6 - C35	mg/kg	2000	99	**18.4 J**	**21.8 J**

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - PCB

SAMPLE ID				SB-1 0-5	SB-2 0-5	SB-3 0-5	SB-4 0-5	SB-5 0-5
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/12/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
PCB 1016	mg/kg	1.1	5.3	<0.0236	<0.0219	<0.0170	<0.0170	<0.0239
PCB 1221	mg/kg	1.1	5.3	<0.0236	<0.0219	<0.0170	<0.0170	<0.0239
PCB 1232	mg/kg	1.1	5.3	<0.0236	<0.0219	<0.0170	<0.0170	<0.0239
PCB 1242	mg/kg	1.1	5.3	<0.0236	<0.0219	<0.0170	<0.0170	<0.0239
PCB 1248	mg/kg	1.1	5.3	<0.0236	<0.0219	<0.0170	<0.0170	<0.0239
PCB 1254	mg/kg	1.1	5.3	<0.0236	<0.0219	<0.0170	<0.0170	<0.0239
PCB 1260	mg/kg	1.1	5.3	<0.0236	<0.0219	<0.0170	<0.0170	<0.0239

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - PCB

SAMPLE ID				SB-6 0-5	SB-7 0-5	SB-8 0-5	SB-9 0-5	SB-10 0-5
DATE COLLECTED				6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
PCB 1016	mg/kg	1.1	5.3	<0.0208	<0.0191	<0.0193	<0.0206	<0.0170
PCB 1221	mg/kg	1.1	5.3	<0.0208	<0.0191	<0.0193	<0.0206	<0.0170
PCB 1232	mg/kg	1.1	5.3	<0.0208	<0.0191	<0.0193	<0.0206	<0.0170
PCB 1242	mg/kg	1.1	5.3	<0.0208	<0.0191	<0.0193	<0.0206	<0.0170
PCB 1248	mg/kg	1.1	5.3	<0.0208	<0.0191	<0.0193	<0.0206	<0.0170
PCB 1254	mg/kg	1.1	5.3	<0.0208	<0.0191	<0.0193	<0.0206	<0.0170
PCB 1260	mg/kg	1.1	5.3	<0.0208	<0.0191	<0.0193	<0.0206	<0.0170

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - PCB

SAMPLE ID				SB-11 0-5	SB-1 0-2	SB-1 2-4	SB-1 4-6	SB-1 6-8
DATE COLLECTED				6/12/2019	12/7/2020	12/7/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
PCB 1016	mg/kg	1.1	5.3	<0.0199	<0.0396	<0.0406	<0.0437	<0.0405
PCB 1221	mg/kg	1.1	5.3	<0.0199	<0.0396	<0.0406	<0.0437	<0.0405
PCB 1232	mg/kg	1.1	5.3	<0.0199	<0.0396	<0.0406	<0.0437	<0.0405
PCB 1242	mg/kg	1.1	5.3	<0.0199	<0.0396	<0.0406	<0.0437	<0.0405
PCB 1248	mg/kg	1.1	5.3	<0.0199	<0.0170	<0.0203	<0.0218	<0.0203
PCB 1254	mg/kg	1.1	5.3	<0.0199	<0.0170	<0.0203	<0.0218	<0.0203
PCB 1260	mg/kg	1.1	5.3	<0.0199	<0.0170	<0.0203	<0.0218	<0.0203

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - PCB

SAMPLE ID				SB-1 8-10	SB-1 13-15	SB-1 18-20	SB-1 23-25
DATE COLLECTED				12/7/2020	12/7/2020	12/7/2020	12/7/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result
PCB 1016	mg/kg	1.1	5.3	<0.0398	<0.0390	<0.0440	<0.0386
PCB 1221	mg/kg	1.1	5.3	<0.0398	<0.0390	<0.0440	<0.0386
PCB 1232	mg/kg	1.1	5.3	<0.0398	<0.0390	<0.0440	<0.0386
PCB 1242	mg/kg	1.1	5.3	<0.0398	<0.0390	<0.0440	<0.0386
PCB 1248	mg/kg	1.1	5.3	<0.0199	<0.0195	<0.0220	<0.0193
PCB 1254	mg/kg	1.1	5.3	<0.0199	<0.0195	<0.0220	<0.0193
PCB 1260	mg/kg	1.1	5.3	<0.0199	<0.0195	<0.0220	<0.0193

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - PCB

SAMPLE ID				SB-1 28-30	SB-2 0-2	SB-2 2-4	SB-2 4-6	SB-2 6-8
DATE COLLECTED				12/7/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result	Result
PCB 1016	mg/kg	1.1	5.3	<0.0393	<0.0390	<0.0340	<0.0395	<0.0340
PCB 1221	mg/kg	1.1	5.3	<0.0393	<0.0390	<0.0340	<0.0395	<0.0340
PCB 1232	mg/kg	1.1	5.3	<0.0393	<0.0390	<0.0340	<0.0395	<0.0340
PCB 1242	mg/kg	1.1	5.3	<0.0393	<0.0390	<0.0340	<0.0395	<0.0340
PCB 1248	mg/kg	1.1	5.3	<0.0197	<0.0195	<0.0170	<0.0198	<0.00958
PCB 1254	mg/kg	1.1	5.3	<0.0197	<0.0195	<0.0170	<0.0198	<0.00958
PCB 1260	mg/kg	1.1	5.3	<0.0197	<0.0195	<0.0170	<0.0198	<0.00958

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - PCB

SAMPLE ID				SB-2 8-10	SB-2 13-15	SB-2 18-20	SB-2 23-25
DATE COLLECTED				12/8/2020	12/8/2020	12/8/2020	12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result	Result	Result	Result
PCB 1016	mg/kg	1.1	5.3	<0.0430	<0.0480	<0.0340	<0.0427
PCB 1221	mg/kg	1.1	5.3	<0.0430	<0.0480	<0.0340	<0.0427
PCB 1232	mg/kg	1.1	5.3	<0.0430	<0.0480	<0.0340	<0.0427
PCB 1242	mg/kg	1.1	5.3	<0.0430	<0.0480	<0.0340	<0.0427
PCB 1248	mg/kg	1.1	5.3	<0.0170	<0.0240	<0.0218	<0.0213
PCB 1254	mg/kg	1.1	5.3	<0.0170	<0.0240	<0.0218	<0.0213
PCB 1260	mg/kg	1.1	5.3	<0.0170	<0.0240	<0.0218	<0.0213

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 4D-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
SOIL DATA SUMMARY - PCB

SAMPLE ID				SB-2 28-30
DATE COLLECTED				12/8/2020
Analyte	Units	Tier 1 Residential TotSoil (Critical PCL With MSD)	Tier 1 Residential GWSoil (Critical PCL Without MSD)	Result
PCB 1016	mg/kg	1.1	5.3	<0.0428
PCB 1221	mg/kg	1.1	5.3	<0.0428
PCB 1232	mg/kg	1.1	5.3	<0.0428
PCB 1242	mg/kg	1.1	5.3	<0.0428
PCB 1248	mg/kg	1.1	5.3	<0.0214
PCB 1254	mg/kg	1.1	5.3	<0.0214
PCB 1260	mg/kg	1.1	5.3	<0.0214

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-1
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - METALS

SAMPLE ID				MW-1	MW-2	MW-3	MW-4	GW-2 (MW-5)	GW-1 (MW-6)	MW-7	MW-7	MW-8	MW-8	MW-9	MW-9
DATE COLLECTED				12/18/2019	12/18/2019	12/18/2019	1/6/2020	12/9/2020	12/9/2020	3/8/2021	04/22/2021	3/8/2021	04/21/2021	3/8/2021	04/22/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Antimony	mg/L	NA	0.006	<0.0100	<0.0100	<0.0100	<0.0100	NT	NT	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Arsenic	mg/L	NA	0.01	**0.00872 J**	<0.0100	0.0261	<0.0100	**0.00546 J**	0.0103	<0.0100	<0.0100	<0.0100	<0.0100	0.0249	0.0193
Barium	mg/L	NA	2	**0.252**	**0.318**	**0.158**	**0.270**	**0.111**	**0.206**	NT	NT	NT	NT	NT	NT
Beryllium	mg/L	NA	0.004	<0.00200	<0.00200	<0.00200	<0.00200	NT	NT	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.000419 J**
Cadmium	mg/L	NA	0.005	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Chromium	mg/L	NA	0.1	<0.0100	<0.0100	<0.0100	**0.00581 J**	**0.0455**	**0.00543 J**	<0.0100	<0.0100	**0.0018 J**	<0.0100	<0.0100	**0.00432 J**
Copper	mg/L	NA	1.3	NT	NT	NT	NT	NT	NT	**0.0166**	<0.0100	**0.00384 J**	**0.00387 BJ**	<0.0100	**0.0221 B**
Lead	mg/L	NA	0.015	<0.00500	<0.00500	<0.00500	<0.00500	**0.00570 J**	**0.00830**	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600
Nickel	mg/L	NA	0.49	<0.0100	<0.0100	<0.0100	<0.0100	NS	NS	**0.00368 J**	**0.00284 J**	**0.00288 J**	**0.00297 J**	**0.00188 J**	**0.00793 J**
Selenium	mg/L	NA	0.05	<0.0100	<0.0100	<0.0100	<0.0100	**0.0132**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver	mg/L	NA	0.12	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Thallium	mg/L	NA	0.002	NT	NT	NT	NT	NT	NT	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	mg/L	NA	7.3	NT	NT	NT	NT	NT	NT	<0.0500	<0.0500	<0.0500	<0.0500	**0.008 J**	**0.00824 J**
Mercury	mg/L	0.94	0.002	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
J - The identification of the analyte is acceptable; the reported value is an estimate.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6	MW-1
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	3/8/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<1.0 J4	<1.0 J4	<1.0 J4	<1.0 J4	<1.0 J4	<1.0 J4	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100
Benzene	mg/L	23	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00125	<0.00125	<0.00125	<0.00125	<0.00125	<0.00125	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	<0.00100	**0.00232**	<0.00100	**0.000584 J**	<0.00100	<0.00100
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	<0.00100	**0.000411 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,2-Dichloroethene	mg/L	160	0.07	<0.00100	**0.00068 J**	**0.00563**	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100 J4	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	<0.00100	**0.000313 J**	**0.000577 J**	<0.00100	<0.00100	<0.00100	<0.00100
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-1	MW-1	MW-1	MW-2	MW-2	MW-2
DATE COLLECTED				04/21/2021	8/26/2021	10/12/2021	3/8/2021	04/21/2021	8/26/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	<0.0500 J3,J4	<0.0500	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500	<0.0500 J3	<0.0500	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100 J3,J4	<0.0100	<0.0100	<0.0100
Benzene	mg/L	23	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250 J4	<0.00250	<0.00250	<0.00250	<0.00250 J4
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100 J4	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,2-Dichloroethene	mg/L	160	0.07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100 J3,J4	<0.00100	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100	<0.0100	<0.0100 J3	<0.0100	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500 J4	<0.00500	<0.00500	<0.00500	<0.00500 J4
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	<0.00100	<0.00100	<0.00100	**0.000134 J**	<0.00100
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500 J3	<0.00500	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Xylenes, Total	mg/L	1300	10	**0.000381 BJ**	<0.00300	<0.00300	<0.00300	**0.000337 BJ**	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-2	MW-3	MW-3	MW-3	MW-3	MW-4
DATE COLLECTED				10/11/2021	3/8/2021	04/22/2021	8/28/2021	10/11/2021	3/8/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Benzene	mg/L	23	0.005	<0.00100	**0.000236**	**0.000244 J**	**0.000189 J**	**0.000174 J**	**0.000493**
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00011 J**
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	**0.00051 J**	<0.00500	**0.000427 J**	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	**0.00144**	**0.00144**	**0.000928 J**	**0.000773 J**	**0.0147**
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	**0.000137 J**	<0.00100	**0.0000922 J**	<0.00100	**0.000197 J**
1,1-Dichloroethene	mg/L	220	0.007	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.0206
cis-1,2-Dichloroethene	mg/L	160	0.07	**0.000181 J**	0.102	0.133	0.0728	**0.0696**	**0.0336**
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	**0.0019**	**0.0018**	**0.00136**	**0.00106**	**0.00058 J**
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.000126 J**
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	**0.00105**	**0.00101**	**0.000161 J**	**0.000208 J**	**0.000115 J**
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00049 J**
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	<0.00100	0.00785	0.00879	**0.00402**	**0.00373**	0.00847
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	<0.00100	0.0025	0.00258	**0.00186**	**0.00181**	0.00498
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-4	MW-4	MW-4	GW-2 (MW-5)	GW-2 (MW-5)
DATE COLLECTED				04/22/2021	8/26/2021	10/12/2021	12/9/2020	3/8/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	<0.0500 J3,J4	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500	<0.0500 J3	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100 J3,J4	<0.0100	<0.0100
Benzene	mg/L	23	0.005	**0.000305 J**	**0.000332 J**	**0.000351 J**	<0.00100	<0.00100
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	**0.00045 J**	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	<0.00500	**0.000753 J**	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250 J4	<0.00250	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100 J4	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	**0.000108 J**	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	**0.0115**	**0.0147**	**0.0069**	<0.00100	<0.00100
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	**0.000227 J**	<0.00100	<0.00100	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	0.0144	0.016	**0.00918**	<0.00100	<0.00100
cis-1,2-Dichloroethene	mg/L	160	0.07	**0.0309**	**0.0354**	**0.0212**	<0.00100	<0.00100
trans-1,2-Dichloroethene	mg/L	99	0.1	**0.000244 J**	**0.0005 J**	**0.000293 J**	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100 J3,.J4	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	**0.000139 J**	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100	<0.0100	<0.0100 J3	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500 J4	<0.00500	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	**0.000109**	**0.000149 J**	<0.00100	**0.000199 J**	<0.00100
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500 J3	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	0.00536	**0.00319**	**0.000874 J**	<0.00100	<0.00100
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100 J3	<0.00100 J4	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	**<0.00100 J3**	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	0.0103	0.00716	**0.00227**	<0.00100	<0.00100
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	0.00273	0.00371	<0.00100	<0.00100	<0.00100
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				GW-2 (MW-5)	GW-2 (MW-5)	GW-2 (MW-5)	GW-2 (MW-5)	GW-1 (MW-6)
DATE COLLECTED				04/21/2021	8/26/2021	10/12/2021	5/6/2022	12/9/2020
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	<0.0500 J3,J4	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500	<0.0500 J3	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100 J3,J4	<0.0100	<0.0100
Benzene	mg/L	23	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	**0.00111**
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	<0.00500	<0.00500	**0.00217 J**
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250 J4	<0.00250	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100 J4	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,2-Dichloroethene	mg/L	160	0.07	<0.00100	<0.00100	<0.00100	<0.00100	**0.00198**
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100 J3,J4	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100	<0.0100	<0.0100 J3	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500 J4	<0.00500	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	<0.00100	<0.00100	<0.00100	**0.00022 J**
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500 J3	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	<0.00100	<0.00100	<0.00100	<0.00100	**0.00037 J**
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100 J4
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100 J3	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	<0.00100	<0.00100	<0.00100	<0.00100	**0.000502 J**
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Xylenes, Total	mg/L	1300	10	**0.000352 BJ**	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				GW-1 (MW-6)	GW-1 (MW-6)	GW-1 (MW-6)	GW-1 (MW-6)	MW-7
DATE COLLECTED				3/8/2021	04/22/2021	8/26/2021	10/12/2021	3/8/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	<0.0500	<0.0500 J3,J4	**0.0136 J**
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500	<0.0500	<0.0500 J3	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100	<0.0100 J3,J4	<0.0100
Benzene	mg/L	23	0.005	<0.00100	<0.00100	<0.00100	<0.00100	**0.000842 J**
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	**0.000166**	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100	<0.00100 J3	**0.000333 J**
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	**0.000782 J**
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	**0.000176 J**
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	**0.000441**	**0.000192 J**	<0.00500	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250	<0.00250 J4	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100	<0.00100 J4	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	<0.00100	<0.00100	<0.00100	<0.00100	**0.000491 J**
cis-1,2-Dichloroethene	mg/L	160	0.07	**0.00147**	**0.00133**	**0.00123**	**0.000897 J**	**0.0066**
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100	<0.00100 J3	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100	<0.00100 J3,J4	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	<0.00100	<0.00100	**0.000816 J**
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100	<0.00100 J3	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100	<0.0100	<0.0100	<0.0100 J3	**0.00273 J**
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500	<0.00500 J4	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	**0.000444 J**	**0.000531 J**	**0.000125 J**	<0.00100	<0.00100
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500	<0.00500 J3	**0.00268 J**
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	**0.001 J**
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	**0.000476 J**	**0.000587 J**	<0.00100	<0.00100	**0.000361 J**
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100	<0.00100 J3	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100	<0.00100 J3	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	**0.00113**	**0.000903 J**	**0.000781 J**	**0.000659 J**	0.00578
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	<0.00100	<0.00100	<0.00100	<0.00100	**0.000359 J**
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-7	MW-7	MW-7	MW-8	MW-8	MW-8
DATE COLLECTED				04/22/2021	8/27/2021	10/11/2021	3/8/2021	04/21/2021	8/27/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500 J4	<0.0500	<0.0500	<0.0500	<0.0500 J4
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Benzene	mg/L	23	0.005	**0.00155**	**0.00433**	**0.00466**	**0.000102 J**	**0.000113 J**	<0.00100
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	**0.000456 J**	**0.000612 J**	**0.000726 J**	<0.00100	**0.000347 J**	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	**0.000984 J**	**0.00161**	**0.00239**	**0.00014 J**	**0.000749 J**	**0.000363 J**
tert-Butylbenzene	mg/L	NA	0.98	**0.000255 J**	**0.000368 J**	**0.000487 J**	<0.00100	**0.000176 J**	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00012 J**
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	<0.00100	<0.00100	**0.00126**	**0.000717 J**
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	**0.00119**	**0.00109**
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	<0.00100	<0.00100	**0.00103**	**0.00136**	**0.00114**
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	**0.000304 J**	<0.00100	<0.00100	**0.00029 J**	**0.00518**	0.00793
cis-1,2-Dichloroethene	mg/L	160	0.07	**0.00667**	**0.00471**	**0.00351**	**0.000315 J**	**0.0015**	**0.00101**
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	**0.000298 J**	<0.00100	**0.000501 J**	**0.00117**	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	**0.0011**	**0.00216**	**0.00199**	**0.000217 J**	**0.000825 J**	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	**0.000291 J**	**0.00038 J**	<0.00100	**0.000356 J**	<0.00100
2-Butanone (MEK)	mg/L	620000	15	**0.0031 J**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	**0.000133 J**	**0.000142 J**	**0.000333 J**	**0.00089 J**	**0.000695 J**
Naphthalene	mg/L	41	0.49	**0.00352 J**	**0.00655**	**0.00113 J**	<0.00500	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	**0.0016**	**0.00285**	**0.00236 J**	**0.000267 J**	**0.00101**	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	**0.000683 J**	**0.000497 J**	**0.000386 J**	<0.00100	<0.00100	**0.000354 J**
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100	<0.00100 J3
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	0.00549	**0.0037**	**0.00287**	<0.00100	<0.00100	**0.000279 J**
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	**0.000896 J**	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	**0.000435 J**	**0.000664 J**	**0.00047 J**	**0.0029**	**0.000213 J**
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	**0.000338 J**	**0.000368 J**	**0.000293 J**	<0.00100	<0.00100	**0.000328 J**
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-8	MW-9	MW-9	MW-9	MW-9	MW-10
DATE COLLECTED				10/11/2021	3/8/2021	04/22/2021	8/27/2021	10/11/2021	8/27/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	**0.0378 J**	<0.0500	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Benzene	mg/L	23	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.000711**
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	**0.000244 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	**0.000683 J**
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250 J4
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	**0.000715 J**	<0.00100	<0.00100	<0.00100	<0.00100	**0.000189 J**
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	**0.00107**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	**0.00097 J**	**0.00182**	**0.00308**	**0.00144**	**0.00321**	**0.149**
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00187**
1,1-Dichloroethene	mg/L	220	0.007	**0.00965**	**0.000766 J**	**0.00144**	**0.00049**	**0.00139**	0.222
cis-1,2-Dichloroethene	mg/L	160	0.07	**0.00252**	**0.00347**	**0.00582**	**0.00237**	**0.00578**	0.28
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00275**
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00022 J**
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	**0.000148 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100	**0.00153 J**	**0.00306 J**	<0.0100	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500 J4
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	**0.000457 J**	**0.00227**	**0.00345**	**0.00282**	**0.00485**	**0.00206**
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	**0.000191 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	**0.00214**	<0.00100	**0.000476 J**	<0.00100	**0.000601 J**	0.177
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.000473 J**
Trichloroethene	mg/L	3.1	0.005	**0.00115**	**0.000431 J**	**0.000647 J**	**0.000227**	**0.000723 J**	0.122
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	**0.000282 J**	**0.000575 J**	<0.00500	**0.000856 J**	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	**0.000499 J**	**0.000263 J**	**0.000382 J**	<0.00100	**0.000313 J**	0.0256
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-10	MW-11	MW-11	MW-11	MW-12	MW-12
DATE COLLECTED				10/12/2021	8/27/2021	10/12/2021	5/6/2022	8/28/2021	10/11/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500 J3,J4	<0.0500	<0.0500 J3,J4	<0.0500	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500 J3	<0.0500	<0.0500 J3	<0.0500	<0.0500 J4	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100 J3,J4	<0.0100	<0.0100 J3,J4	<0.0100	<0.0100	<0.0100
Benzene	mg/L	23	0.005	**0.000521 J**	<0.00100	<0.00100	<0.00100	**0.000109 J**	**0.0000972 J**
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500 J3	<0.00500	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100 J3	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	0.000448 J	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250 J4	<0.00250	<0.00250	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100 J4	<0.00100	<0.00100 J4	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	**0.000196 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	**0.129**	**0.00109**	**0.000629 J**	**0.000726 J**	**0.00272**	**0.00218**
1,2-Dichloroethane	mg/L	33	0.005	**0.00141**	<0.00100	<0.00100	<0.00100	**0.000174 J**	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	0.178	**0.00157**	**0.00052 J**	**0.000569 J**	**0.00602**	**0.00489**
cis-1,2-Dichloroethene	mg/L	160	0.07	0.217	**0.00185**	**0.000921 J**	**0.000948 J**	0.233	0.217
trans-1,2-Dichloroethene	mg/L	99	0.1	**0.00151**	<0.00100	<0.00100	<0.00100	**0.00581**	**0.00523**
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100 J3	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	**0.000188 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100 J3,J4	<0.00100	<0.00100 J3,J4	<0.00100	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	<0.00100	**0.000162 J**	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100 J3	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100 J3	<0.0100	<0.0100 J3	<0.0100	<0.0100	**0.00581 J**
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500 J4	<0.00500	<0.00500	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	<0.00100	<0.00100	<0.00100	**0.00484**	**0.00412**
Naphthalene	mg/L	41	0.49	<0.00500 J3	<0.00500	<0.00500 J3	<0.00500	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	0.104	**0.000613 J**	<0.00100	<0.00100	<0.00100	<0.00100
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100 J3	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100 J3	<0.00100	<0.00100 J3	<0.00100	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	0.0002 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	0.0956	**0.000408 J**	<0.00100	<0.00100	0.145	0.104
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	**0.0016 J**	**0.00264 J**
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	0.0176	<0.00100	<0.00100	<0.00100	0.0389	<0.00100
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-13	MW-13	MW-14	MW-14	MW-15	MW-15
DATE COLLECTED				8/28/2021	10/11/2021	8/28/2021	10/11/2021	5/6/2022	8/4/2022
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500 J4	<0.0500	<0.0500 J4	<0.0500	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Benzene	mg/L	23	0.005	<0.00100	<0.00100	**0.000239 J**	<0.00100	**0.00011 J**	<0.00100
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500 J3	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	**0.000206 J**	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT	NT	NT	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500	**0.000548 J**	0.000602 J	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500	<0.00500	**0.00129 J**	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	<0.00100	**0.00103**	**0.00126**	<0.00100	<0.00100
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00195**
1,1-Dichloroethene	mg/L	220	0.007	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,2-Dichloroethene	mg/L	160	0.07	<0.00100	**0.000338 J**	0.0789	**0.111**	**0.00782**	<0.00100
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100	**0.000477 J**	**0.000655 J**	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
2-Butanone (MEK)	mg/L	620000	15	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	<0.00100	<0.00100	<0.00100	<0.00100	**0.0034**	<0.00100
Toluene	mg/L	8200	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	<0.00100	<0.00100	0.0269	0.0318	**0.00342**	<0.00100
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	<0.00100	**0.000263 J**	**0.000402 J**	<0.00100	<0.00100	<0.00100
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-2
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - VOCs

SAMPLE ID				MW-16	MW-16
DATE COLLECTED				5/6/2022	8/4/2022
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result
Acetone	mg/L	1000000	22	<0.0500	<0.0500
Acrolein	mg/L	1200	0.012	<0.0500	<0.0500
Acrylonitrile	mg/L	7.5	0.0017	<0.0100	<0.0100
Benzene	mg/L	23	0.005	<0.00100	<0.00100
Bromobenzene	mg/L	290	0.2	<0.00100	<0.00100
Bromodichloromethane	mg/L	NA	0.08	<0.00100	<0.00100
Bromoform	mg/L	670	0.08	<0.00100	<0.00100
Bromomethane	mg/L	4.6	0.034	<0.00500 J3	<0.00500
n-Butylbenzene	mg/L	NA	1.2	<0.00100	<0.00100
sec-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100
tert-Butylbenzene	mg/L	NA	0.98	<0.00100	<0.00100
Carbon Tetrachloride	mg/L	2.5	0.005	<0.00100	<0.00100
Chlorobenzene	mg/L	150	0.1	<0.00100	<0.00100
Chlorodibromomethane	mg/L	NA	0.08	<0.00100	<0.00100
Chloroethane	mg/L	15000	9.8	<0.00500	<0.00500
2-Chloroethyl vinyl ether	mg/L	NA	0.0008	NT	NT
Chloroform	mg/L	2.6	0.08	<0.00500	<0.00500
Chloromethane	mg/L	4.7	0.07	<0.00250	<0.00250
2-Chlorotoluene	mg/L	3100	0.49	<0.00100	<0.00100
4-Chlorotoluene	mg/L	NA	0.49	<0.00100	<0.00100
1,2-Dibromo-3-Chloropropane	mg/L	0.08	0.0002	<0.00500	<0.00500
1,2-Dibromoethane	mg/L	9.8	0.00005	<0.00100	<0.00100
Dibromomethane	mg/L	31	0.12	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	150	0.6	<0.00100	<0.00100
1,3-Dichlorobenzene	mg/L	25	0.73	<0.00100	<0.00100
1,4-Dichlorobenzene	mg/L	2200	0.075	<0.00100	<0.00100
Dichlorodifluoromethane	mg/L	7.8	4.9	<0.00500	<0.00500
1,1-Dichloroethane	mg/L	5600	4.9	<0.00100	<0.00100
1,2-Dichloroethane	mg/L	33	0.005	<0.00100	<0.00100
1,1-Dichloroethene	mg/L	220	0.007	<0.00100	<0.00100
cis-1,2-Dichloroethene	mg/L	160	0.07	<0.00100	**0.000779 J**
trans-1,2-Dichloroethene	mg/L	99	0.1	<0.00100	<0.00100
1,2-Dichloropropane	mg/L	15	0.005	<0.00100	<0.00100
1,1-Dichloropropene	mg/L	2.5	0.0091	<0.00100	<0.00100
1,3-Dichloropropane	mg/L	33	0.0091	<0.00100	<0.00100
cis-1,3-Dichloropropene	mg/L	89	0.0017	<0.00100	<0.00100
trans-1,3-Dichloropropene	mg/L	25	0.0091	<0.00100	<0.00100
2,2-Dichloropropane	mg/L	7.3	0.013	<0.00100	<0.00100
Di-Isopropyl Ether	mg/L	2500	2.4	<0.00100	<0.00100
Ethylbenzene	mg/L	3800	0.7	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.00100	<0.00100
Isopropylbenzene	mg/L	570	2.4	<0.00100	<0.00100
p-Isopropyltoluene	mg/L	NA	2.4	**0.000148 J**	**0.000154 B J**
2-Butanone (MEK)	mg/L	620000	15	<0.0100	<0.0100
Methylene Chloride	mg/L	2800	0.005	<0.00500	<0.00500
4-Methyl-2-Pentanone (MIBK)	mg/L	87000	2	<0.0100	<0.0100
Methyl Tert-Butyl Ether	mg/L	520	0.24	<0.00100	<0.00100
Naphthalene	mg/L	41	0.49	<0.00500	<0.00500
n-Propylbenzene	mg/L	780	0.98	<0.00100	<0.00100
Styrene	mg/L	2000	0.1	<0.00100	<0.00100
1,1,1,2-Tetrachloroethane	mg/L	14	0.035	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	mg/L	NA	0.0046	<0.00100	<0.00100
1,1,2-Trichlorotrifluoroethane	mg/L	200	730	<0.00100	<0.00100
Tetrachloroethene	mg/L	64	0.005	<0.00100	<0.00100
Toluene	mg/L	8200	1	<0.00100	<0.00100
1,2,3-Trichlorobenzene	mg/L	17	0.073	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.00100	<0.00100
1,1,1-Trichloroethane	mg/L	5200	0.2	<0.00100	<0.00100
1,1,2-Trichloroethane	mg/L	10	0.005	<0.00100	<0.00100
Trichloroethene	mg/L	3.1	0.005	<0.00100	<0.00100
Trichlorofluoromethane	mg/L	NA	7.3	<0.00500	<0.00500
1,2,3-Trichloropropane	mg/L	4.2	0.00003	<0.00250	<0.00250
1,2,4-Trimethylbenzene	mg/L	630	0.83	<0.00100	<0.00100
1,2,3-Trimethylbenzene	mg/L	730	0.83	<0.00100	<0.00100
1,3,5-Trimethylbenzene	mg/L	490	0.83	<0.00100	<0.00100
Vinyl Chloride	mg/L	0.49	0.002	<0.00100	<0.00100
Xylenes, Total	mg/L	1300	10	<0.00300	<0.00300

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
J3 - The associated batch QC was outside the established quality control range for precision.
J4 - The associated batch QC was outside the established quality control range for accuracy.
B - The same analyte is found in the associated blank.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - SVOCs

SAMPLE ID				TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result
Acenaphthene	mg/L	NA	1.5	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Acenaphthylene	mg/L	NA	1.5	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Anthracene	mg/L	NA	7.3	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzidine	mg/L	0.84	0.000004	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Benzo(a)anthracene	mg/L	390	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(b)fluoranthene	mg/L	310	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(k)fluoranthene	mg/L	18000	0.091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(g,h,i)perylene	mg/L	NA	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(a)pyrene	mg/L	3.8	0.0002	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Bis(2-chlorethoxy)methane	mg/L	10	0.00083	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Bis(2-chloroethyl)ether	mg/L	12	0.00083	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,2-oxybis(1-chloropropane)	mg/L	110	0.013	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4-Bromophenyl-phenylether	mg/L	0.2	0.000061	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2-Chloronaphthalene	mg/L	NA	2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorophenyl-phenylether	mg/L	0.16	0.000061	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chrysene	mg/L	110000	0.91	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibenz(a,h)anthracene	mg/L	200	0.0002	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichlorobenzene	mg/L	NA	0.6	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/L	NA	0.73	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/L	NA	0.075	NT	NT	NT	NT	NT	NT
1,2-Diphenylhydrazine	mg/L	NA	N/A	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
3,3-Dichlorobenzidine	mg/L	NA	0.002	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dinitrotoluene	mg/L	NA	0.0013	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,6-Dinitrotoluene	mg/L	NA	0.0013	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Fluoranthene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Fluorene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachlorobenzene	mg/L	0.74	0.001	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Hexachlorocyclopentadiene	mg/L	0.7	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Hexachloroethane	mg/L	950	0.017	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Indeno(1,2,3-cd)pyrene	mg/L	1800	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Isophorone	mg/L	NA	0.96	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Naphthalene	mg/L	41	0.49	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrobenzene	mg/L	93	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
n-Nitrosodimethylamine	mg/L	2.6	0.000018	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
n-Nitrosodiphenylamine	mg/L	NA	0.19	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
n-Nitrosodi-n-propylamine	mg/L	NA	0.00013	<0.01000	<0.01000	<0.01000	<0.01000	<0.01000	<0.01000
Phenanthrene	mg/L	NA	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzylbutyl phthalate	mg/L	NA	0.48	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Bis(2-ethylhexyl)phthalate	mg/L	NA	0.006	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Di-n-butyl phthalate	mg/L	NA	2.4	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Diethyl Phthalate	mg/L	NA	20	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Dimethyl Phthalate	mg/L	NA	20	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Di-n-octyl phthalate	mg/L	NA	0.24	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Pyrene	mg/L	NA	0.73	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4-Chloro-3-methylphenol	mg/L	NA	0.12	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2-Chlorophenol	mg/L	NA	0.12	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dichlorophenol	mg/L	NA	0.073	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dimethylphenol	mg/L	NA	0.49	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4,6-Dintro-2-methylphenol	mg/L	NA	0.0024	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dinitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2-Nitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4-Nitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Pentachlorophenol	mg/L	NA	0.001	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Phenol	mg/L	21000	7.3	**0.00117 J**	**0.00541 J**	**0.00541 J**	**0.00561 J4**	**0.00254 J**	**0.00963 J**
2,4,6-Trichlorophenol	mg/L	6400	0.024	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - SVOCs

SAMPLE ID				GW-2 (MW-5)	GW-1 (MW-6)	MW-7	MW-7	MW-8
DATE COLLECTED				12/9/2020	12/9/2020	3/8/2021	04/22/2021	3/8/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result
Acenaphthene	mg/L	NA	1.5	<0.00100	<0.00100	**0.000162 J**	**0.000152 J**	<0.00100
Acenaphthylene	mg/L	NA	1.5	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Anthracene	mg/L	NA	7.3	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzidine	mg/L	0.84	0.000004	<0.0100	<0.0100	<0.0100 J4	<0.0100	<0.0100 J4
Benzo(a)anthracene	mg/L	390	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(b)fluoranthene	mg/L	310	0.0091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(k)fluoranthene	mg/L	18000	0.091	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(g,h,i)perylene	mg/L	NA	0.73	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Benzo(a)pyrene	mg/L	3.8	0.0002	<0.00100	<0.00100	<0.000200	<0.000200	<0.000200
Bis(2-chlorethoxy)methane	mg/L	10	0.00083	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Bis(2-chloroethyl)ether	mg/L	12	0.00083	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,2-oxybis(1-chloropropane)	mg/L	110	0.013	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4-Bromophenyl-phenylether	mg/L	0.2	0.000061	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2-Chloronaphthalene	mg/L	NA	2	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Chlorophenyl-phenylether	mg/L	0.16	0.000061	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chrysene	mg/L	110000	0.91	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dibenz(a,h)anthracene	mg/L	200	0.0002	<0.00100	<0.00100	<0.000200	<0.000200	<0.000200
1,2-Dichlorobenzene	mg/L	NA	0.6	<0.0100	<0.0100	NT	NT	NT
1,3-Dichlorobenzene	mg/L	NA	0.73	<0.0100	<0.0100	NT	NT	NT
1,4-Dichlorobenzene	mg/L	NA	0.075	<0.0100	<0.0100	NT	NT	NT
1,2-Diphenylhydrazine	mg/L	NA	N/A	<0.0100	<0.0100	NT	NT	NT
3,3-Dichlorobenzidine	mg/L	NA	0.002	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dinitrotoluene	mg/L	NA	0.0013	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,6-Dinitrotoluene	mg/L	NA	0.0013	<0.00100	<0.00100	<0.0100	<0.0100	<0.0100
Fluoranthene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Fluorene	mg/L	NA	0.98	<0.00100	<0.00100	**0.00027 J**	**0.000166 J**	<0.00100
Hexachlorobenzene	mg/L	0.74	0.001	<0.0100	<0.0100	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Hexachlorocyclopentadiene	mg/L	0.7	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Hexachloroethane	mg/L	950	0.017	<0.00100	<0.00100	<0.0100	<0.0100	<0.0100
Indeno(1,2,3-cd)pyrene	mg/L	1800	0.0091	<0.0100	<0.0100	<0.00100	<0.00100	<0.00100
Isophorone	mg/L	NA	0.96	<0.00100	<0.00100	<0.0100	<0.0100	<0.0100
Naphthalene	mg/L	41	0.49	<0.0100	<0.0100	**0.00181**	**0.00276**	<0.00100
Nitrobenzene	mg/L	93	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
n-Nitrosodimethylamine	mg/L	2.6	0.000018	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
n-Nitrosodiphenylamine	mg/L	NA	0.19	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
n-Nitrosodi-n-propylamine	mg/L	NA	0.00013	<0.0010	<0.0010	<0.0100	<0.0100	<0.0100
Phenanthrene	mg/L	NA	0.73	<0.00300	<0.00300	**0.000201 J**	<0.00100	<0.00100
Benzylbutyl phthalate	mg/L	NA	0.48	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Bis(2-ethylhexyl)phthalate	mg/L	NA	0.006	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Di-n-butyl phthalate	mg/L	NA	2.4	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Diethyl Phthalate	mg/L	NA	20	<0.00300	<0.00300	<0.00300	**0.000547 J**	<0.00300
Dimethyl Phthalate	mg/L	NA	20	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300
Di-n-octyl phthalate	mg/L	NA	0.24	<0.00100	<0.00100	<0.00300	<0.00300	<0.00300
Pyrene	mg/L	NA	0.73	<0.0100	<0.0100	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4-Chloro-3-methylphenol	mg/L	NA	0.12	<0.0100	<0.0100	<0.0100 J4	<0.0100	<0.0100 J4
2-Chlorophenol	mg/L	NA	0.12	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dichlorophenol	mg/L	NA	0.073	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dimethylphenol	mg/L	NA	0.49	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4,6-Dintro-2-methylphenol	mg/L	NA	0.0024	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2,4-Dinitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
2-Nitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
4-Nitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Pentachlorophenol	mg/L	NA	0.001	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Phenol	mg/L	21000	7.3	<0.0100	<0.0100	<0.0100	**0.00849 J**	<0.0100
2,4,6-Trichlorophenol	mg/L	6400	0.024	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-3
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - SVOCs

SAMPLE ID				MW-8	MW-9	MW-9
DATE COLLECTED				04/21/2021	3/8/2021	04/22/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result
Acenaphthene	mg/L	NA	1.5	<0.00100	<0.00100	<0.00100
Acenaphthylene	mg/L	NA	1.5	<0.00100	<0.00100	<0.00100
Anthracene	mg/L	NA	7.3	<0.00100	<0.00100	<0.00100
Benzidine	mg/L	0.84	0.000004	<0.0100	<0.0100 J4	<0.0100
Benzo(a)anthracene	mg/L	390	0.0091	<0.00100	<0.00100	<0.00100
Benzo(b)fluoranthene	mg/L	310	0.0091	<0.00100	<0.00100	<0.00100
Benzo(k)fluoranthene	mg/L	18000	0.091	<0.00100	<0.00100	<0.00100
Benzo(g,h,i)perylene	mg/L	NA	0.73	<0.00100	<0.00100	<0.00100
Benzo(a)pyrene	mg/L	3.8	0.0002	<0.000200	<0.000200	<0.000200
Bis(2-chlorethoxy)methane	mg/L	10	0.00083	<0.0100	<0.0100	<0.0100
Bis(2-chloroethyl)ether	mg/L	12	0.00083	<0.0100	<0.0100	<0.0100
2,2-oxybis(1-chloropropane)	mg/L	110	0.013	<0.0100	<0.0100	<0.0100
4-Bromophenyl-phenylether	mg/L	0.2	0.000061	<0.0100	<0.0100	<0.0100
2-Chloronaphthalene	mg/L	NA	2	<0.00100	<0.00100	<0.00100
4-Chlorophenyl-phenylether	mg/L	0.16	0.000061	<0.0100	<0.0100	<0.0100
Chrysene	mg/L	110000	0.91	<0.00100	<0.00100	<0.00100
Dibenz(a,h)anthracene	mg/L	200	0.0002	<0.000200	<0.000200	<0.000200
1,2-Dichlorobenzene	mg/L	NA	0.6	NT	NT	NT
1,3-Dichlorobenzene	mg/L	NA	0.73	NT	NT	NT
1,4-Dichlorobenzene	mg/L	NA	0.075	NT	NT	NT
1,2-Diphenylhydrazine	mg/L	NA	N/A	NT	NT	NT
3,3-Dichlorobenzidine	mg/L	NA	0.002	<0.0100	<0.0100	<0.0100
2,4-Dinitrotoluene	mg/L	NA	0.0013	<0.0100	<0.0100	<0.0100
2,6-Dinitrotoluene	mg/L	NA	0.0013	<0.0100	<0.0100	<0.0100
Fluoranthene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100
Fluorene	mg/L	NA	0.98	<0.00100	<0.00100	<0.00100
Hexachlorobenzene	mg/L	0.74	0.001	<0.00100	<0.00100	<0.00100
Hexachloro-1,3-Butadiene	mg/L	1.1	0.012	<0.0100	<0.0100	<0.0100
Hexachlorocyclopentadiene	mg/L	0.7	0.05	<0.0100	<0.0100	<0.0100
Hexachloroethane	mg/L	950	0.017	<0.0100	<0.0100	<0.0100
Indeno(1,2,3-cd)pyrene	mg/L	1800	0.0091	<0.00100	<0.00100	<0.00100
Isophorone	mg/L	NA	0.96	<0.0100	<0.0100	<0.0100
Naphthalene	mg/L	41	0.49	**0.000159 J**	<0.00100	<0.00100
Nitrobenzene	mg/L	93	0.049	<0.0100	<0.0100	<0.0100
n-Nitrosodimethylamine	mg/L	2.6	0.000018	<0.0100	<0.0100	<0.0100
n-Nitrosodiphenylamine	mg/L	NA	0.19	<0.0100	<0.0100	<0.0100
n-Nitrosodi-n-propylamine	mg/L	NA	0.00013	<0.0100	<0.0100	<0.0100
Phenanthrene	mg/L	NA	0.73	<0.00100	<0.00100	<0.00100
Benzylbutyl phthalate	mg/L	NA	0.48	<0.00300	<0.00300	<0.00300
Bis(2-ethylhexyl)phthalate	mg/L	NA	0.006	<0.00300	<0.00300	<0.00300
Di-n-butyl phthalate	mg/L	NA	2.4	<0.00300	<0.00300	<0.00300
Diethyl Phthalate	mg/L	NA	20	<0.00300	<0.00300	<0.00300
Dimethyl Phthalate	mg/L	NA	20	<0.00300	<0.00300	<0.00300
Di-n-octyl phthalate	mg/L	NA	0.24	<0.00300	<0.00300	<0.00300
Pyrene	mg/L	NA	0.73	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	mg/L	20	0.07	<0.0100	<0.0100	<0.0100
4-Chloro-3-methylphenol	mg/L	NA	0.12	<0.0100	<0.0100 J4	<0.0100
2-Chlorophenol	mg/L	NA	0.12	<0.0100	<0.0100	<0.0100
2,4-Dichlorophenol	mg/L	NA	0.073	<0.0100	<0.0100	<0.0100
2,4-Dimethylphenol	mg/L	NA	0.49	<0.0100	<0.0100	<0.0100
4,6-Dintro-2-methylphenol	mg/L	NA	0.0024	<0.0100	<0.0100	<0.0100
2,4-Dinitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100
2-Nitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100
4-Nitrophenol	mg/L	NA	0.049	<0.0100	<0.0100	<0.0100
Pentachlorophenol	mg/L	NA	0.001	<0.0100	<0.0100	<0.0100
Phenol	mg/L	21000	7.3	<0.0100	<0.0100	<0.0100
2,4,6-Trichlorophenol	mg/L	6400	0.024	<0.0100	<0.0100	<0.0100

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Non-detected result that exceeds PCL. Treated as residential assessment level per TRRP-14 Note 4, pg. 9 (Jan. 2019).
J - The identification of the analyte is acceptable; the reported value is an estimate.
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-4
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - TPH

SAMPLE ID				TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6	GW-2 (MW-5)	GW-1 (MW-6)	MW-7	MW-7	MW-8	MW-8	MW-9	MW-9
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	12/9/2020	12/9/2020	3/8/2021	04/22/2021	3/8/2021	04/21/2021	3/8/2021	04/22/2021
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
TPH C6 - C12	mg/L	2.9	0.98	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.918	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900
TPH C12 - C28	mg/L	2.9	0.98	2.67	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.918	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900
TPH C28 - C35	mg/L	2.9	0.98	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.918	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900
TPH C6 - C35	mg/L	2.9	0.98	2.67	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.918	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

TABLE 5B-5
IMARA HOUSTON, INC. - ISMAILI CENTER APAR
GROUNDWATER DATA SUMMARY - PCBs

SAMPLE ID				TMW-1	TMW-2	TMW-3	TMW-4	TMW-5	TMW-6	GW-2 (MW-5)	GW-1 (MW-6)
DATE COLLECTED				6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	12/9/2020	12/9/2020
Analyte	Units	Tier 1 Residential GWInh-V (Critical PCL With MSD)	Tier 1 Residential GWIng (Critical PCL Without MSD)	Result	Result	Result	Result	Result	Result	Result	Result
PCB 1016	mg/L	0.38	0.0005	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
PCB 1221	mg/L	0.38	0.0005	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
PCB 1232	mg/L	0.38	0.0005	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
PCB 1242	mg/L	0.38	0.0005	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
PCB 1248	mg/L	0.38	0.0005	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
PCB 1254	mg/L	0.38	0.0005	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
PCB 1260	mg/L	0.38	0.0005	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500

30 Acres PCL
Highlighted Values Exceed PCL Limit
NT - Not Tested
Maximum Concentration Level of Chemical of Concern Exceeding PCL

Appendix F

If the plume extends beyond the limits of property owners listed in this application, list the owners of the additional property beneath which the plume(s) extend(s), and a summary of interactions with those property owners about the plume(s) and this MSD application. Please Note: You are not required under this item to notify affected property owners, only to provide a summary of who affected property owners are, and if there have been any communications. "No contact" can be an acceptable answer.

The groundwater plume extends west beneath the City of Houston right-of-way (Montrose Boulevard) and east towards Stanford Street as depicted in Appendix C-f; however, no impacts are present across Jackson Street or Ruiz Street from the Site. The groundwater plume does not extend beneath any additional properties. The list of property owners where the plume extends is presented below. The property owners have not been notified about the APAR findings or this MSD application.

The City of Houston is an affected property owner. The extent of the groundwater plume and its relation to the City of Houston right of ways have been discussed with the City's MSD division through prior conversations and emails.

- San Simeon Apartments LLC
  5728 LBJ Freeway, Suite 400
  Dallas, Texas 75240-6357

- Bel Air Viv LLC
  2800 North Dallas Parkway, Suite 101
  Plano, Texas 75093-5994

- Magnolia Cemetery Corporation of Houston
  1019 Prince Street
  Houston, Texas 77008-6428

- Lakeside Place PFC
  2640 Fountain View Drive
  Houston, Texas 77057-7630

Appendix G

A statement as to whether the source of the plume has been removed, the plume of contamination is stable (i.e. no change) or contracting, and the plume is delineated, with the basis for that statement. mPlease include historical sampling data.

The source of the groundwater plume has been removed.

The presumed sources for the contamination at the Site are:

- A former rail spur located along the eastern Site boundary running from the northern boundary to the southern boundary. Metals were identified as COCs for the APAR and may have had their source as the rail spur.
- PCB transformers at the HL&P facility (SWR 32594). PCBs were not identified as a COC for the APAR.
- Spent solvents at the HL&P facility. Chlorinated VOCs were identified as COCs for the APAR.
- Two 250-gallon underground storage tanks (USTs) described as "filled in place." TPH was identified as a COC for the APAR.

The USTs, rail spur, and HL&P facility no longer exist. The Subject Site was a grass field at the beginning of assessment activities and is currently undergoing construction for the Ismaili Center. The TCEQ Central Registry database identified SWR 32594 to seven (7) waste management units; however, only one (1) unit was constructed (WMU 001) that may have potentially managed chlorinated hydrocarbon waste materials. This WMU and SWR were closed out by TCEQ on November 21, 2005.

The plume contamination is stable.

Based on data from nine (9) groundwater monitoring events in December 2019, January 2020, December 2020, March 2021, April 2021, August 2021, October 2021, May 2022, and August 2022, the plume is maintaining a stable band extending east/west in the southern portion of the Subject Site. The impacted groundwater zone on the Site has been reduced via removal of soils in the GWBU for the below-ground parking garage, such that COC loadings to the system have been reduced. This is to say that the source materials that originally impacted soils and groundwater have been largely removed.

The plume is delineated.

The 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride concentrations in monitoring wells to the north (MW-1, MW-2, MW-5, and MW-13), east (MW-16), south (MW-6 and MW-11), and west (MW-15) were all non-detect or below their respective $^{GW}GW_{ING}$ PCLs. The plume extent and delineation are depicted in Appendix C-f, and summarized sampling data tables are attached in Appendix E. Mike Duffin with TCEQ concurs that the plume has been delineated in the attached TCEQ letter, dated July 22, 2022 (Executive Summary attachment).

Appendix H

A statement as to whether contamination on and off the designated property <u>without</u> a Municipal Setting Designation <u>will exceed</u> a residential assessment level as defined in the Texas Risk Reduction Program or analogous residential level set by EPA, if known, and the basis for that statement.

Based on data from nine (9) groundwater monitoring events in December 2019, January 2020, December 2020, March 2021, April 2021, August 2021, October 2021, May 2022, and August 2022, arsenic (ranging from 0.0103 to 0.0261 milligrams per liter [mg/L]) and chlorinated VOCs (1,1-dichloroethene [0.00793 to 0.222 mg/L]; cis-1,2-dichloroethene [0.0728 to 0.28 mg/L); tetrachloroethene [0.00536 to 0.177 mg/L]; trichloroethene [0.00549 to 0.145 mg/L]; and vinyl chloride [0.0025 to 0.0389 mg/L]) exceed their TRRP Tier 1 Residential $^{GW}GW_{ING}$ PCL (ingestion PCL), which is the critical Residential PCL without an MSD in place.

Appendix I

A statement as to whether contamination on and off the designated property <u>with</u> a Municipal Setting Designation <u>will exceed</u> a residential assessment level as defined in the Texas Risk Reduction Program or analogous residential level set by EPA, if known, and the basis for that statement.

All COC concentrations, except arsenic, fall well below their TRRP Tier 1 Residential $^{AIR}GW_{INH-V}$ PCL (non-ingestion PCL) of 220 mg/L for 1,1-dichloroethene, 160 mg/L for cis-1,2-dichloroethene, 64 mg/L for tetrachloroethene, 3.1 mg/L for trichloroethene, and 0.49 mg/L for vinyl chloride in all groundwater monitoring wells. Arsenic does not have an applicable $^{AIR}GW_{INH-V}$ PCL. However, per the TCEQ July 2021 letter (Executive Summary attachment), Dr. Mike Duffin considers the arsenic levels low enough to be naturally occurring and not requiring further delineation or consideration as a COC.

Appendix J

Identification of the points of origin of the contamination, to the extent known. Please list the Potentially Responsible Party (PRP), if unknown, state unknown. (applications without the PRP listed will be deemed incomplete).

The presumed sources for the contamination at the proposed Ismaili Center Houston (Site) are:

- A former rail spur located along the eastern Site boundary running from the northern boundary to the southern boundary. Metals were identified as COCs for the APAR and may have had their source as the rail spur.
- PCB transformers at the HL&P facility (SWR 32594). PCBs were not identified as a COC for the APAR.
- Spent solvents at the HL&P facility. Chlorinated VOCs were identified as COCs for the APAR.
- Two 250-gallon underground storage tanks (USTs) described as "filled in place." TPH was identified as a COC for this APAR.

The USTs, rail spur, and HL&P facility no longer exist. The Site was a grass field at the beginning of assessment activities, and is currently undergoing construction for the Ismaili Center. The TCEQ Central Registry database identified HL&P with SWR 32594 to seven (7) waste management units; however, only one (1) unit was constructed (WMU 001) that may have potentially managed chlorinated hydrocarbon waste materials. This WMU and SWR for HL&P were closed out by TCEQ on November 21, 2005.

Appendix K

Environmental regulatory actions, litigation, and plume identification.

a. A description of any environmental regulatory actions that have been taken within the past five years in connection with the designated property, to the extent known.
The Ismaili Center Houston site is under the oversight of TCEQ for a pending APAR application:

Affected Property Assessment Report, dated July 13, 2021
Ismaili Center Houston Site
2323 Allen Parkway, Houston, Harris County
T No. 3626, RN101891372, CN601032311

TCEQ Project Manager:

Michael Duffin, Ph.D.
Texas Commission on Environmental Quality
12100 Park 35 Circle, Building D
Austin, TX 78753
512-239-2378
michael.duffin@tceq.texas.gov

b. A description of any litigation that has taken place within the past five years in connection with the designated property, to the extent known.
No litigation has taken place within the last five (5) years in connection with the Site.

c. A statement as to whether there are any other remediation activities by the applicant, or any other party or agency, which are not listed in the application.
There are no other known remediation activities at the Site by the applicant, or any other party or agency, which are not listed in the application.

d. A statement as to which contamination plume and groundwater zone the applicant is including in the MSD.
The applicant is including the chlorinated VOCs-impacted groundwater-bearing unit extending from approximately 14 feet below ground surface (bgs) to approximately 35 feet bgs in the MSD application.

Appendix L

A listing of all existing state or EPA registrations, permits, and identification numbers that applies to the designated property.

The Ismaili Center Houston site is under the oversight of TCEQ, listed under the construction company McCarthy Building Companies, Inc. (CN602500506) and program ID number RN101891372. SWR/Facility ID is T3626. There is a currently active stormwater permit (TXR1548GM).

Previously applicable programs/permits:
CN601032311 – Robinson Public Warehouse
CN602301145 – State Construction LP
CN604314369 – MTS Legacy Construction LLC
113730 – LPST Remediation
56013 – PST Registration
TXR15DV38 – Stormwater
TXR15WV81 – Stormwater

TCEQ Project Manager:

Michael Duffin, Ph.D.
Texas Commission on Environmental Quality
12100 Park 35 Circle, Building D
Austin, TX 78753
512-239-2378
michael.duffin@tceq.texas.gov

Appendix M

Provide evidence that the designated property is currently or has previously been under the oversight of the TCEQ or the United States Environmental Protection Agency, as required by the Texas Health & Safety Code § 361.8065(c)(2)(A), and a description of the status of the designated property in the program (the program application number is sufficient evidence). Also, include the state or federal cleanup project manager's name.

The Ismaili Center Houston site is under the oversight of TCEQ for a pending APAR application:

Affected Property Assessment Report, dated July 13, 2021
Ismaili Center Houston Site
2323 Allen Parkway, Houston, Harris County
T No. 3626, RN101891372, CN601032311

TCEQ Project Manager:

Michael Duffin, Ph.D.
Texas Commission on Environmental Quality
12100 Park 35 Circle, Building D
Austin, TX 78753
512-239-2378
michael.duffin@tceq.texas.gov

Appendix N

A summary of any environmental site assessment reports filed with TCEQ regarding any site investigations or response actions that are planned, ongoing or completed related to the designated property.

The following reports have been filed with TCEQ regarding the Site investigations and/or response actions that are planned, ongoing, or completed related to the Site:

1. April 2019 – Intertek PSI (PSI) Phase I ESA
2. November 2019 – PSI Phase II ESA
3. March 2020 – PSI Environmental Investigation
4. October 2020 – PSI Geotechnical Engineering Services Report
5. June 2021 – Wild Associates, LLC (WA) APAR
6. September 2021 – WA APAR Addendum #1
7. June 2022 – WA APAR Addendum #2

Appendix O

A statement as to whether any public drinking water supply system exists that satisfies the requirements of Chapter 341 of the Texas Health and Safety Code and that supplies or is capable of supplying drinking water to the designated property and property within one-half mile of the designated property and the identity of each supply system.

Per Chapter 341 of the Texas Health and Safety Code, the City of Houston Public Works – Drinking Water Operations is the only public drinking water supply system capable of supplying drinking water to the Ismaili Center property. All surrounding properties within 500 ft are residential and/or commercial and are supplied by the City of Houston.

Appendix P

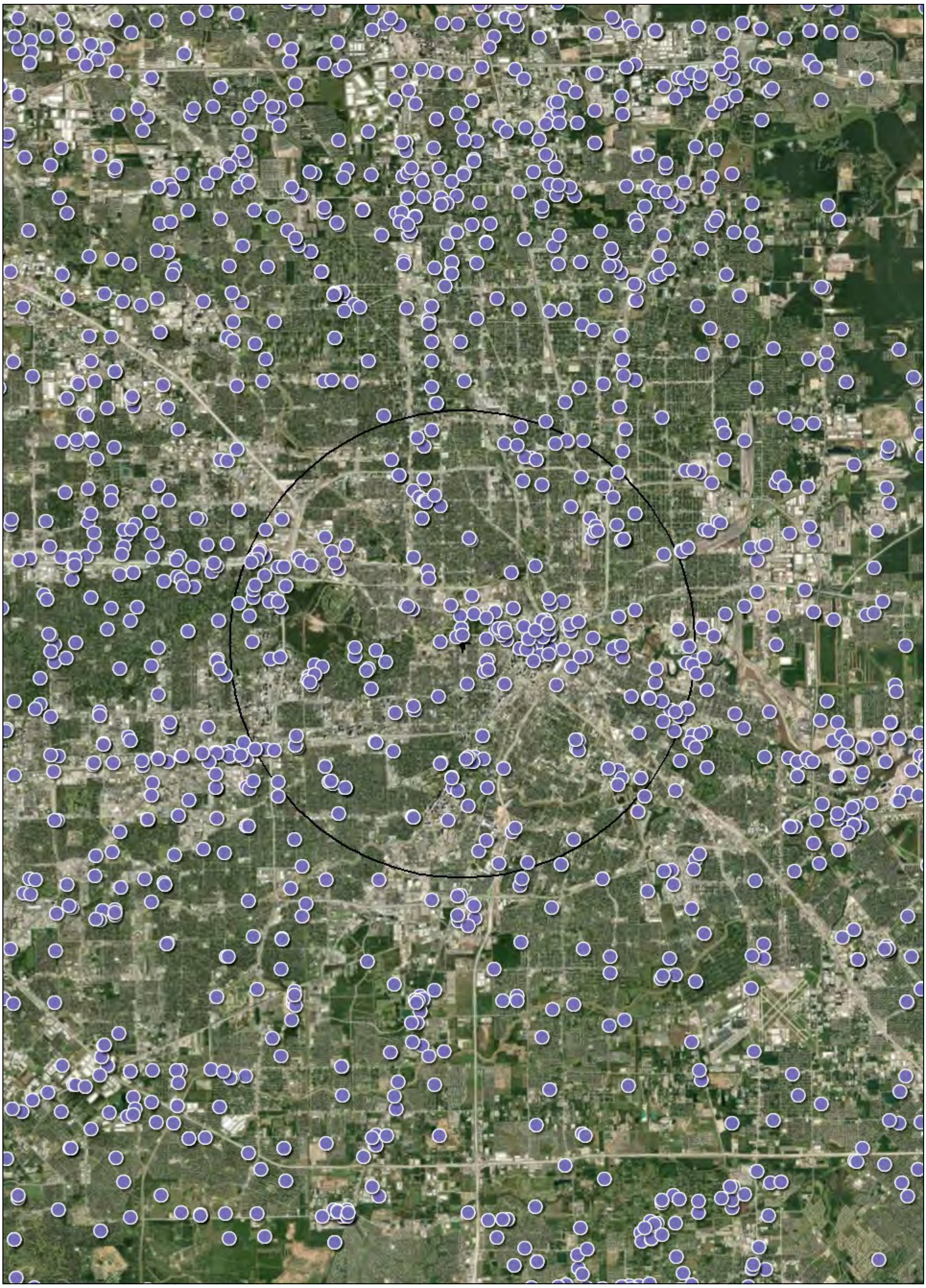
The name and address of each owner or operator of a water well registered or permitted by the state or the Houston-Galveston Subsidence District that is located within five miles of the boundary of the designated property, along with a map showing the location of each well and, to the extent known, a notation of whether each well is used for potable water. Well logs must be included in the electronic copy of the application, but should not be included in the hard copies. (An accompanying electronic excel file with mailing information should be included with your application.)

A 5-mile radius search for water wells was conducted through the Texas Water Development Board (TWDB) and Houston-Galveston Subsidence District (HGSD) websites, which provided the name of each owner or operator of a water well registered or permitted by the state or HGSD that is located within five (5) miles of the boundary of the Site. In many cases, addresses were not provided but only latitude and longitude coordinates. TWDB and HGSD maps are included herein showing the location of each well. A notation of whether each well is used for potable water is shown on the attached spreadsheet summary tables, and available well logs are attached after the spreadsheets. A listing of water wells is provided in Table P-1 (TWDB) and Table P-2 (HGSD); a merged, summary address table using the City of Houston spreadsheet format is provided separately as an electronic file. Water well location maps are identified as follows:

- Appendix P-1 (TWDB)
- Appendix P-2 (TWDB)
- Appendix P-3 (TWDB)
- Appendix P-4 (HGSD)

Please note, the impacted GWBU at the Site and its off-site components are shallow and of limited extent relative to the locations and depths of the water supply wells. The Site GWBU has no effect on these wells.

Appendix P-1 - 5mi. Radius



Texas Water Development Board

June 11, 2022

0 1.5 3 6 mi

0 2.5 5 10 km

1:144,448

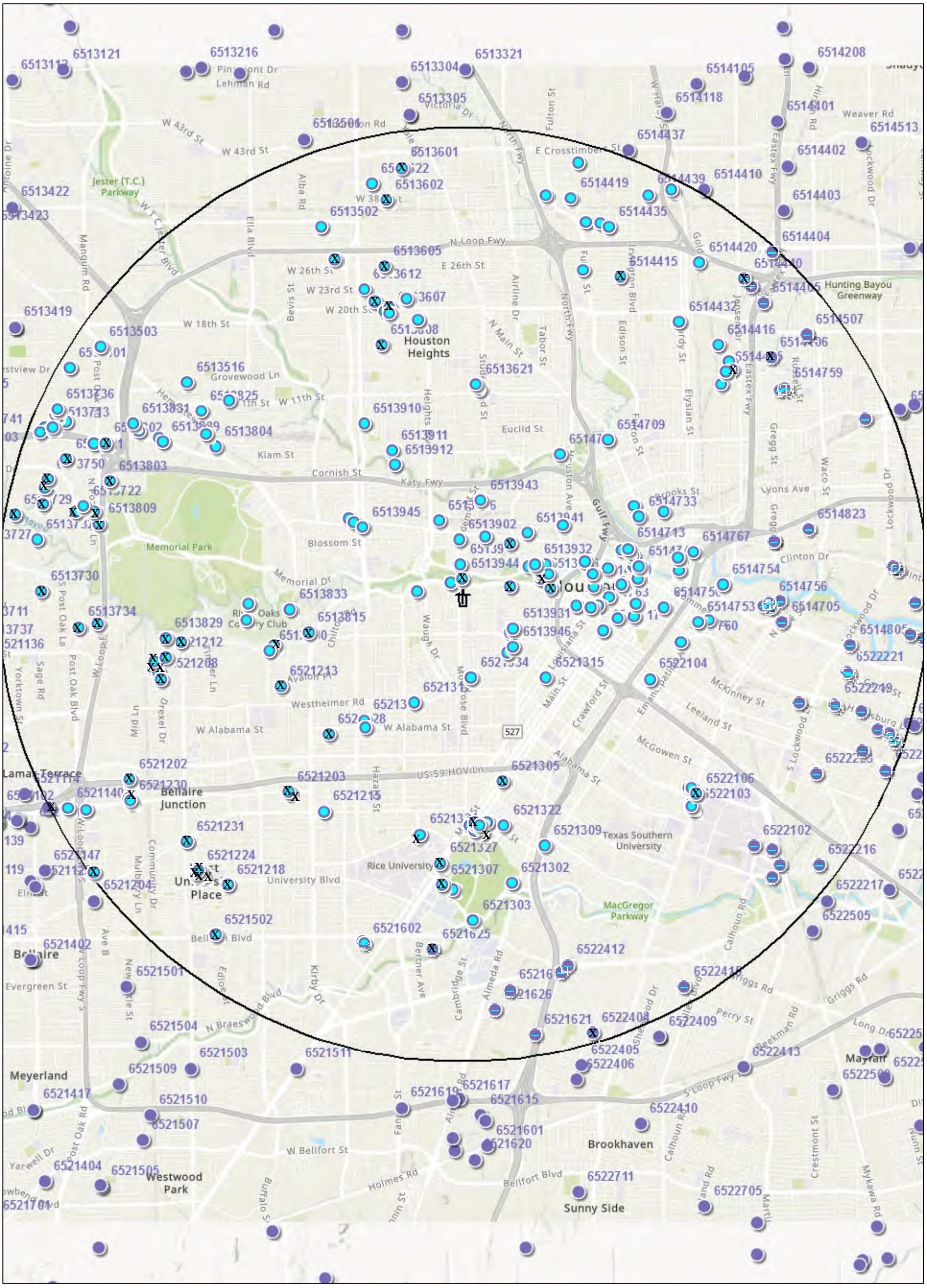
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TWDB Groundwater

TEXAS WATER DEVELOPMENT BOARD

The data in Water Data Interactive represents the best available data provided by the TWDB and third-party cooperators of the TWDB and is subject to revision. The TWDB systematically The data in Water Data Interactive represents the best available information provided by the TWDB and third-party cooperators of the TWDB. The TWDB provides information via this web site as a public service. Neither the State of Texas nor the TWDB assumes any legal liability or responsibility or makes any guarantees or warranties as to the accuracy, completeness or suitability of the information for any particular purpose. The TWDB systematically revises or removes data discovered to be incorrect. If you find inaccurate information or have questions, please contact WDI-Support@twdb.texas.gov.

Appendix P-2 - 5mi. Radius



Texas Water Development Board

June 11, 2022 - X = Potable Water

0 0.75 1.5 3 mi
0 1.25 2.5 5 km
1:72,224

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

TWDB Groundwater

TEXAS WATER DEVELOPMENT BOARD

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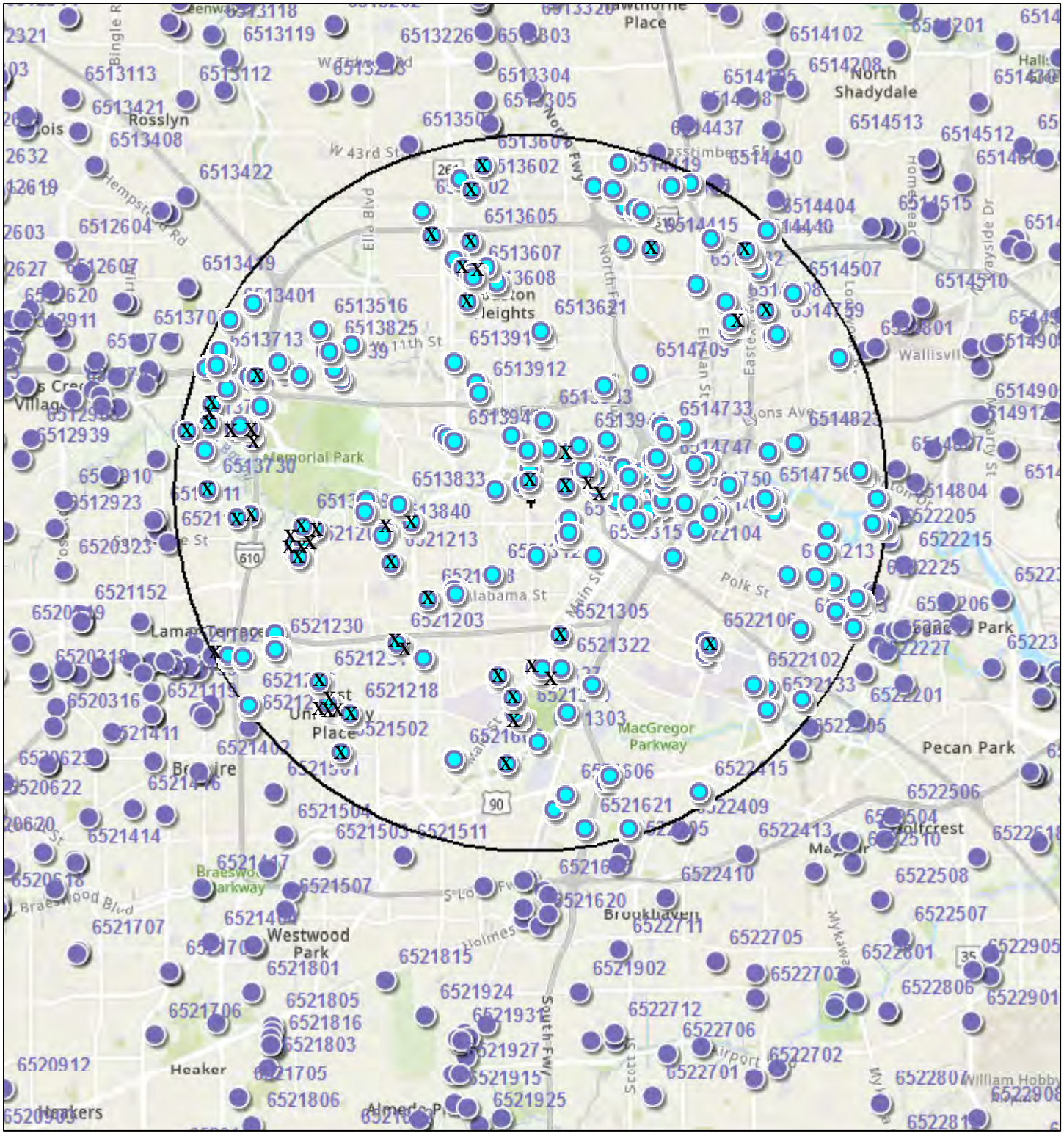
Appendix P-3 - 5mi. Radius



Texas Water Development Board

June 11, 2022 - X = Potable Water

0 1.25 2.5 5 mi

0 2 4 8 km

1:144,448

TWDB Groundwater

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

TEXAS WATER DEVELOPMENT BOARD

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HGSD Well Radius Map

APPENDIX P-4 - 5 MI. RADIUS

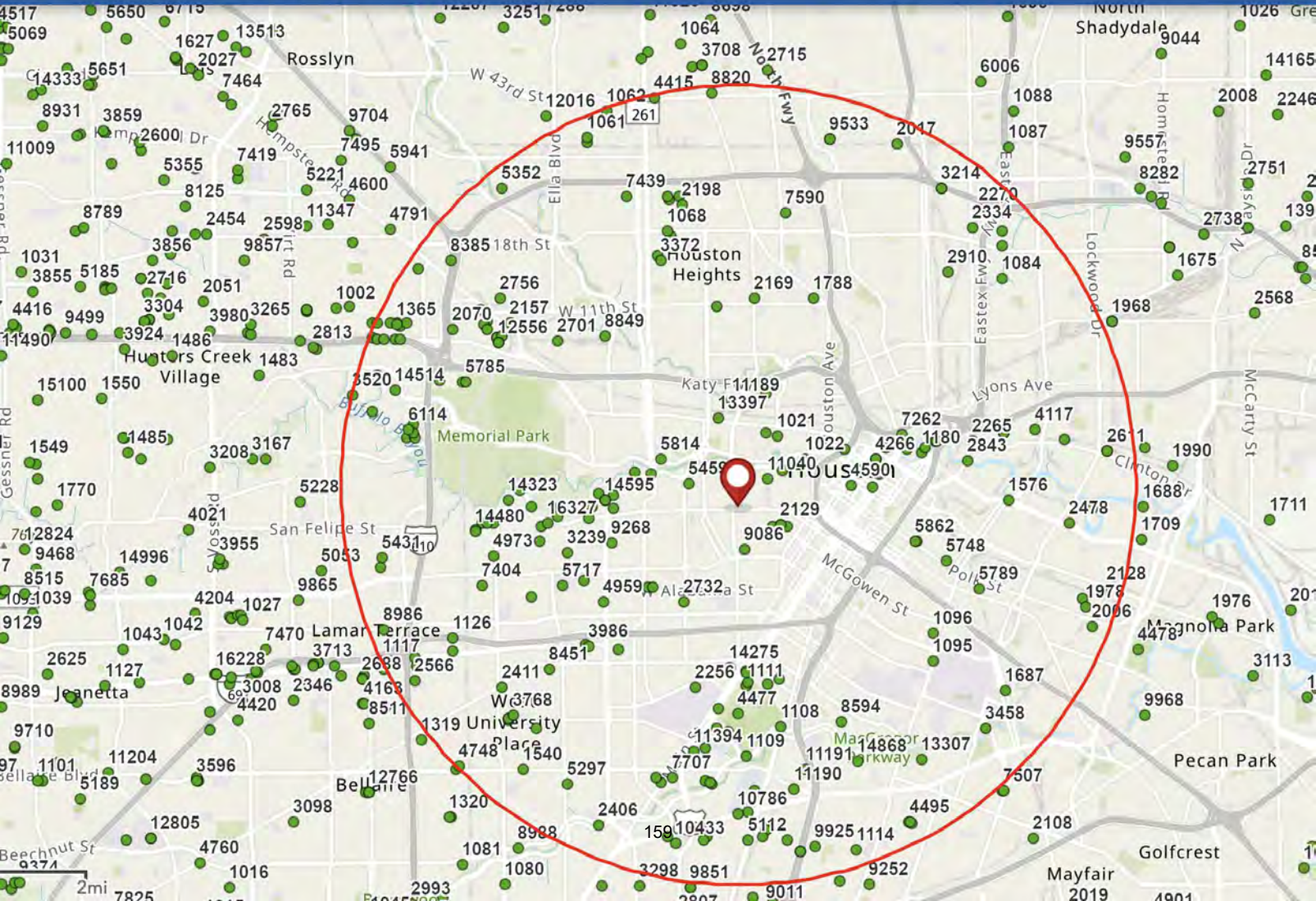


Table P-1 - State Well Number to Owner and Use Correlation

Name of Well Owner	Address*		State Well Number	Water Use	Potable Y/N
City of Houston Westview	P.O. Box 1562, Houston, TX 77251		6513401	Unused	N
Mraz Dance Hall	29.816389	-95.416944	6513502	Unused	N
Phillip Carey Manufacturing Co.	29.797778	-95.456389	6513503	Unused	N
General Electric	29.792222	-95.440834	6513516	Industrial	N
City of Houston Heights #10	**P.O. Box 1562, Houston, TX 77251**		**6513601**	**Public Supply**	**Y**
City of Houston Heights #9	**P.O. Box 1562, Houston, TX 77251**		**6513602**	**Public Supply**	**Y**
Houston Textile Co	29.821389	-95.376667	6513603	Industrial	N
City of Houston Heights #16	**P.O. Box 1562, Houston, TX 77251**		**6513604**	**Public Supply**	**Y**
City of Houston Heights #6	P.O. Box 1562, Houston, TX 77251		6513605	Unused	N
City of Houston Heights #5	P.O. Box 1562, Houston, TX 77251		6513606	Plugged or Destroyed	N
City of Houston Heights #8	P.O. Box 1562, Houston, TX 77251		6513607	Unused	N
City of Houston	29.7980556	-95.4061111	6513608	Unused	N
Oriental Textile Mills	29.806667	-95.409167	6513612	Plugged or Destroyed	N
City of Houston Heights #2	P.O. Box 1562, Houston, TX 77251		6513613	Unused	N
City of Houston Heights #3	P.O. Box 1562, Houston, TX 77251		6513614	Unused	N
City of Houston Garden Oaks	P.O. Box 1562, Houston, TX 77251		6513618	Unused	N
City of Houston Garden Oaks #1	P.O. Box 1562, Houston, TX 77251		6513619	Unused	N
City of Houston Garden Oaks #2	**P.O. Box 1562, Houston, TX 77251**		**6513620**	**Public Supply**	**Y**
Globe Laundry and Cleaners	29.791945	-95.389167	6513621	Industrial	N
Pine Forest Country Club	29.823055	-95.407778	6513622	Irrigation	N
Heights Savings Assoc.	29.801945	-95.399445	6513623	Domestic	N
City of Houston Heights #17	**P.O. Box 1562, Houston, TX 77251**		**6513624**	**Public Supply**	**Y**
National Forge Co.	29.805278	-95.401667	6513625	Industrial	N
City of Houston, Heights, well #6A	**P.O. Box 1562, Houston, TX 77251**		**6513626**	**Public Supply**	**Y**
City of Houston, Heights, well #7A	**P.O. Box 1562, Houston, TX 77251**		**6513627**	**Public Supply**	**Y**
Laise	**29.773333**	**-95.466667**	**6513704**	**Domestic**	**Y**
M. R. Sprague	**29.775833**	**-95.466389**	**6513708**	**Domestic**	**Y**
Cameron Iron Works #1	29.785278	-95.466389	6513712	Industrial	N
Cameron Iron Works Well #2	29.785278	-95.465001	6513713	Industrial	N
Cameron Iron Works #3	29.787222	-95.464445	6513714	Industrial	N
Cooper Industries Cameron FRGD Div	29.786111	-95.462501	6513717	Industrial	N
W. T. Carter, Jr.	**29.780278**	**-95.462501**	**6513721**	**Domestic**	**Y**

H. C. Weiss	29.773055	-95.459445	6513722	Unused	N
W. T. Carter	**29.771667**	**-95.471667**	**6513729**	**Domestic**	**Y**
R.W. Gillette West Oak Addition	**29.759723**	**-95.466944**	**6513730**	**Public Supply**	**Y**
R.H. Goodrich	29.767778	-95.467778	6513732	Plugged or Destroyed	N
J. O. Winston, Jr.	**29.772222**	**-95.460834**	**6513733**	**Domestic**	**Y**
R.W. Gillette West Oak Addition	**29.754167**	**-95.460278**	**6513734**	**Public Supply**	**Y**
Cameron Iron Works	29.788056	-95.464167	6513736	Industrial	N
Texaco Inc.	29.784445	-95.467222	6513745	Industrial	N
Robert A. Rowland Well # 2	**29.777222**	**-95.465834**	**6513750**	**Domestic**	**Y**
River Oaks Country Club	1600 River Oaks Boulevard, Houston, TX 77019		6513801	Irrigation	N
Station KATL	**29.782778**	**-95.455556**	**6513802**	**Domestic**	**Y**
Bayou Club #2	**29.776944**	**-95.454723**	**6513803**	**Public Supply**	**Y**
Spears Co.	29.782222	-95.435834	6513804	Industrial	N
M.L. Hilton	29.782778	-95.457501	6513806	Plugged or Destroyed	N
H. C. Weiss	**29.772222**	**-95.457501**	**6513807**	**Domestic**	**Y**
Dudley Sharp	**29.770278**	**-95.456667**	**6513809**	**Domestic**	**Y**
R.W. Gillette West Oak Addition	**29.754723**	**-95.456945**	**6513811**	**Public Supply**	**Y**
H. R. Cullen	**29.751389**	**-95.425278**	**6513814**	**Domestic**	**Y**
S. P. Farish	**29.753334**	**-95.419167**	**6513815**	**Domestic**	**Y**
River Oaks Country Club	1600 River Oaks Boulevard, Houston, TX 77019		6513824	Plugged or Destroyed	N
Engineers Fabricators Inc.	29.787778	-95.438334	6513825	Industrial	N
Austin Bros. Steel Co.	29.784722	-95.449445	6513828	Industrial	N
J. Brian Eby	**29.752501**	**-95.444722**	**6513829**	**Domestic**	**Y**
Production Die Casting Co.	29.789445	-95.433334	6513830	Industrial	N
American Porcelain Enameling, Inc.	29.785834	-95.450556	6513831	Industrial	N
Houston Materials	29.784167	-95.4375	6513832	Industrial	N
J. Ray McDermott	29.756945	-95.4225	6513833	Irrigation	N
Lestos Co.	**8435 Westglen Dr, Houston, TX 77063**		**6513837**	**Domestic**	**Y**
USGS EUREKA HTS	29.783611	-95.445834	6513838	Unused	N
USGS EUREKA HTS	29.783055	-95.445278	6513839	Unused	N
Harry Holmes	29.750556	-95.426111	6513840	Irrigation	N
Washington Laundry	29.767778	-95.392222	6513902	Industrial	N
City of Houston Central	**P.O. Box 1562, Houston, TX 77251**		**6513903**	**Public Supply**	**Y**

City of Houston (Central #20)	**P.O. Box 1562, Houston, TX 77251**		**6513904**	**Public Supply**	**Y**
City of Houston Central 21	**P.O. Box 1562, Houston, TX 77251**		**6513905**	**Public Supply**	**Y**
Harris Cream Top Dairy	29.759723	-95.399722	6513906	Plugged or Destroyed	N
Creamix Corp.	29.791111	-95.388611	6513909	Unused	N
Fidelity Chem. Corp.	29.785834	-95.409167	6513910	Unused	N
Swift and Co.	29.781667	-95.404167	6513911	Industrial	N
Houston Cotton Oil Co.	29.779444	-95.403612	6513912	Unused	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6513914	Unused	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6513915	Unused	N
Horlock Ice.co.	29.770833	-95.395834	6513916	Unused	N
Henke and Pillot	29.768333	-95.3875	6513918	Plugged or Destroyed	N
Standard Rice Co.	29.763889	-95.391945	6513921	Plugged or Destroyed	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6513924	Industrial	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6513925	Unused	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6513926	Unused	N
City of Houston	**P.O. Box 1562, Houston, TX 77251**		**6513927**	**Public Supply**	**Y**
Public Laundries	29.753334	-95.383055	6513928	Plugged or Destroyed	N
Horlock Ice co.	29.750278	-95.383611	6513930	Industrial	N
Horlock Ice co.	29.753889	-95.3825	6513931	Industrial	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6513932	Plugged or Destroyed	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6513933	Plugged or Destroyed	N
General Dynamics	29.768889	-95.38	6513941	Unused	N
American General Ins.	2727 Allen Parkway, Houston, TX 77019		6513942	N/A	N
Cook Paint & Varnish	29.773889	-95.388334	6513943	N/A	N
City of Houston Central #22	**P.O. Box 1562, Houston, TX 77251**		**6513944**	**Public Supply**	**Y**
Robo Car Wash	29.769722	-95.409445	6513945	Industrial	N
Sparkle Ice Co.	29.751112	-95.3825	6513946	N/A	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6514404	Plugged or Destroyed	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6514405	Plugged or Destroyed	N
City of Houston Northeast #3	**P.O. Box 1562, Houston, TX 77251**		**6514406**	**Public Supply**	**Y**
Hunt-Wesson Foods, Inc Well #3	**29.794167**	**-95.343334**	**6514407**	**Public Supply**	**Y**
Hunt-Wesson Foods, Inc Well #4	29.795556	-95.343889	6514408	Industrial	N
City of Houston Lindale Park	P.O. Box 1562, Houston, TX 77251		6514409	Unused	N
City of Houston Lindale Park	P.O. Box 1562, Houston, TX 77251		6514412	Unused	N

Koppers Company, Inc.	29.821944	-95.353889	6514413	Unused	N
Koppers Company, Inc.	29.822222	-95.354167	6514414	Unused	N
W. E. Emerson	**29.808612**	**-95.363334**	**6514415**	**Public Supply**	**Y**
Standard Rendering Co.	29.798056	-95.345834	6514416	Industrial	N
Standard Rendering Co.	29.798056	-95.345834	6514417	Industrial	N
City of Houston Oakwood	P.O. Box 1562, Houston, TX 77251		6514418	Unused	N
Lone Star Cement Co.	29.820833	-95.372222	6514419	Industrial	N
Northside Ready Mix Concrete Co.	29.810834	-95.349167	6514420	Industrial	N
City of Houston Oakwood	P.O. Box 1562, Houston, TX 77251		6514424	Unused	N
Hunt-Wesson Foods, Inc	29.793889	-95.344445	6514425	Plugged or Destroyed	N
City of Houston Lindale Park	P.O. Box 1562, Houston, TX 77251		6514428	Unused	N
Goodwill Industries #3	29.807223	-95.34	6514431	Industrial	N
Newsom's Truck Lines	29.801667	-95.352778	6514432	Industrial	N
City of Houston Lindale Park	P.O. Box 1562, Houston, TX 77251		6514435	Unused	N
Olds Press & Forge Co.	29.791945	-95.345278	6514438	Industrial	N
Gifford Hill	29.821389	-95.358334	6514439	N/A	N
Goodwill Industries	**29.808334**	**-95.341111**	**6514440**	**Public Supply**	**Y**
City of Houston Kashmere Gardens	P.O. Box 1562, Houston, TX 77251		6514501	Unused	N
City of Houston Kashmere Gardens	P.O. Box 1562, Houston, TX 77251		6514507	Unused	N
Southern Pacific Railroad	29.77	-95.373611	6514702	Unused	N
Phenix Dairy Well #2	29.757501	-95.371111	6514703	Unused	N
Houston Lighting and Power Co	29.765001	-95.353056	6514704	Industrial	N
Trinity Portland Cement Co.	29.755001	-95.334445	6514705	Industrial	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6514707	Unused	N
Crescent Laundry	29.783334	-95.365556	6514709	Unused	N
Southern Pacific Railroad, Well#3	29.772222	-95.355556	6514711	Unused	N
Southland	29.766389	-95.361945	6514713	Unused	N
Houston Lighting and Power Co	29.764723	-95.352778	6514714	Industrial	N
Houston Ice and Cold Storage	29.766112	-95.363056	6514715	Unused	N
Sunshine Laundry	29.773055	-95.360834	6514716	Plugged or Destroyed	N
Main Building Corp.	29.753612	-95.366389	6514717	Unused	N
Oil & Gas Building	29.757501	-95.367222	6514719	Other	N
Rice Hotel Laundry	909 Texas Avenue, Houston, TX 77002		6514720	Plugged or Destroyed	N
Commerce Building	1002 Commerce Street, Houston, TX 77002		6514721	Other	N

Model Laundry	29.763334	-95.365556	6514725	Plugged or Destroyed	N
Houston Ice and Cold Storage Co.	29.766389	-95.362223	6514726	Unused	N
City of Houston Northeast	P.O. Box 1562, Houston, TX 77251		6514727	Unused	N
Rice Hotel	909 Texas Avenue, Houston, TX 77002		6514728	Plugged or Destroyed	N
Rice Hotel	909 Texas Avenue, Houston, TX 77002		6514729	Unused	N
Missouri Pacific Lines	29.755278	-95.3475	6514730	Plugged or Destroyed	N
National Vinegar Co	29.7675	-95.335834	6514732	Industrial	N
Missouri, Kansas and Texas Railroad	29.771389	-95.360001	6514733	Plugged or Destroyed	N
National Vinegar co	29.7675	-95.335834	6514734	Industrial	N
Harris-Galveston Coast Subsidence Dist	29.791389	-95.333889	6514735	Unused	N
Niels Esperson Bldg.	29.758889	-95.365278	6514736	Unused	N
Houston Lighting and Power co.	29.763056	-95.352778	6514737	Plugged or Destroyed	N
Harris-Galveston Subsidence District	29.791111	-95.333611	6514738	Unused	N
Southern Pacific Building	29.763612	-95.360834	6514740	Plugged or Destroyed	N
Harris-Galveston Coast Subsidence Dist	29.791389	-95.333889	6514742	Unused	N
Ambassador Apartments	29.755834	-95.360834	6514743	Unused	N
Kress Building	29.757778	-95.360556	6514744	Unused	N
Harris-Galveston Coast Subsidence Dist	29.791389	-95.333889	6514745	Unused	N
Harris-Galveston Coast Subsidence Dist	29.791389	-95.333889	6514746	Unused	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6514747	Plugged or Destroyed	N
City of Houston Central	P.O. Box 1562, Houston, TX 77251		6514748	Unused	N
Burkhart Laundry	29.7572222	-95.3555556	6514750	Plugged or Destroyed	N
T.J. Bettis Building	29.761667	-95.360278	6514751	Unused	N
Gould Wet Wash Laundry	29.755001	-95.349445	6514753	Unused	N
Zero Ice Co.	29.760834	-95.345	6514754	Unused	N
Houston Packing co	29.757223	-95.336389	6514755	Unused	N
Houston Packing Co. Well #3	29.758056	-95.336667	6514756	Industrial	N
Houston Packing Co. Well #4	29.758334	-95.334722	6514758	Industrial	N
City of Houston Northeast #2	P.O. Box 1562, Houston, TX 77251		6514759	Unused	N
Coca Cola Bottling Co.	29.751945	-95.352501	6514760	Unused	N
Lead Products Co.	29.757501	-95.337778	6514762	Unused	N
Memorial Baptist Hospital	29.757223	-95.368611	6514763	Other	N
Willborg's Laundry	29.77	-95.373611	6514764	Plugged or Destroyed	N
Ineeda Laundry	29.762501	-95.368333	6514765	Plugged or Destroyed	N

Builders Supply	29.765834	-95.350278	6514767	Industrial	N
Beauchamps Springs	29.781111	-95.374167	6514768	N/A	N
The Bama Co.	29.763612	-95.314445	6514803	Industrial	N
Weingarten's Bakery	29.751389	-95.322222	6514805	Industrial	N
Southern Pacific Railroad	29.786667	-95.319444	6514809	Unused	N
Texas Industrial Plating	29.758056	-95.310556	6514810	Industrial	N
Standard Asbestos Co.	29.763056	-95.313612	6514816	Industrial	N
The Bama Co.	29.763612	-95.314445	6514817	Industrial	N
Gulf Coast Cement Co. Well #1	29.752501	-95.309167	6514818	Industrial	N
Houston Barge Co.	29.753056	-95.311389	6514821	Industrial	N
National Vinegar Co.	29.769444	-95.329722	6514823	Industrial	N
City of Houston Southwest	**P.O. Box 1562, Houston, TX 77251**		**6521101**	**Public Supply**	**Y**
City of Houston	P.O. Box 1562, Houston, TX 77251		6521106	Plugged or Destroyed	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6521140	Plugged or Destroyed	N
City of Houston	**P.O. Box 1562, Houston, TX 77251**		**6521143**	**Public Supply**	**Y**
City of Houston	**P.O. Box 1562, Houston, TX 77251**		**6521201**	**Public Supply**	**Y**
City of Houston	**P.O. Box 1562, Houston, TX 77251**		**6521202**	**Public Supply**	**Y**
City of West University Place	**7008 S Rice Avenue, Bellaire, TX 77401**		**6521203**	**Public Supply**	**Y**
M. S. McCorquodale	**3470 Locke Lane, Houston, TX 77027**		**6521207**	**Domestic**	**Y**
A.M.Parsons	**29.746111**	**-95.445556**	**6521208**	**Public Supply**	**Y**
T. D. Anderson	**4015 Meadow Lake Ln**		**6521209**	**Domestic**	**Y**
J. P. Schumacher	**24 West Ln, Houston, TX 77019**		**6521210**	**Domestic**	**Y**
Ray Smith	**3965 Del Monte Dr, Houston, TX 77019**		**6521211**	**Domestic**	**Y**
S. H. Davis	**3963 Del Monte Dr, Houston, TX 77019**		**6521212**	**Domestic**	**Y**
Claude B. Hamill	**29.745**	**-95.424167**	**6521213**	**Domestic**	**Y**
City of West University Place	7008 S Rice Avenue, Bellaire, TX 77401		6521215	Unused	N
Academy of Incarnate Word	**609 Crawford Street, Houston, TX 77002**		**6521216**	**Public Supply**	**Y**
City of Southside Place	6309 Edloe Avenue, Houston, TX 77005		6521217	Unused	N
City of Southside Place	6309 Edloe Avenue, Houston, TX 77005		6521218	Unused	N
City of Southside Place	6309 Edloe Avenue, Houston, TX 77005		6521219	Unused	N
City of West University Place	7008 S Rice Avenue, Bellaire, TX 77401		6521220	Unused	N
City of West University Place	7008 S Rice Avenue, Bellaire, TX 77401		6521221	Unused	N
City of West University Place	**7008 S Rice Avenue, Bellaire, TX 77401**		**6521222**	**Public Supply**	**Y**
City of West University Place	**7008 S Rice Avenue, Bellaire, TX 77401**		**6521223**	**Public Supply**	**Y**

City of West University Place	**7008 S Rice Avenue, Bellaire, TX 77401**		**6521224**	**Public Supply**	**Y**
City of Southside Place	**6309 Edloe Avenue, Houston, TX 77005**		**6521225**	**Public Supply**	**Y**
Harris-Galveston Subsidence District	1660 W Bay Area Blvd, Friendswood, TX 77546		6521226	Unused	N
Harris-Galveston Coast Subsidence Dist	1660 W Bay Area Blvd, Friendswood, TX 77546		6521227	Unused	N
Harris-Galveston Coast Subsidence Dist	1660 W Bay Area Blvd, Friendswood, TX 77546		6521228	Unused	N
Harris-Galveston Subsidence Dist.,S.W.	1660 W Bay Area Blvd, Friendswood, TX 77546		6521229	Unused	N
Harris-Galveston Subsidence District	1660 W Bay Area Blvd, Friendswood, TX 77546		6521230	Unused	N
City of West Univ. Place	**7008 S Rice Avenue, Bellaire, TX 77401**		**6521231**	**Public Supply**	**Y**
City of West University Place	**7008 S Rice Avenue, Bellaire, TX 77401**		**6521232**	**Public Supply**	**Y**
City of West Univer- sity PlaceWell #	**7008 S Rice Avenue, Bellaire, TX 77401**		**6521233**	**Public Supply**	**Y**
City of Houston South End #7	P.O. Box 1562, Houston, TX 77251		6521301	Unused	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6521302	Plugged or Destroyed	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6521303	Plugged or Destroyed	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6521304	Plugged or Destroyed	N
Dr. Allaly	**29.730278**	**-95.384445**	**6521305**	**Domestic**	**Y**
City of Houston South End #11	**P.O. Box 1562, Houston, TX 77251**		**6521306**	**Public Supply**	**Y**
Herman Hospital	**6411 Fannin St, Houston, TX 77030**		**6521307**	**Public Supply**	**Y**
City of Houston South End #6	P.O. Box 1562, Houston, TX 77251		6521309	Plugged or Destroyed	N
American Service Co.	29.7425	-95.400278	6521312	Plugged or Destroyed	N
Shepherd Laundry	29.746389	-95.376667	6521315	Plugged or Destroyed	N
Warwick Hotel	29.723889	-95.387222	6521318	Unused	N
City of Houston South End #1	P.O. Box 1562, Houston, TX 77251		6521319	Unused	N
City of Houston South End #5	P.O. Box 1562, Houston, TX 77251		6521320	Unused	N
City of Houston South End #4	P.O. Box 1562, Houston, TX 77251		6521321	Plugged or Destroyed	N
City of Houston South End #2	P.O. Box 1562, Houston, TX 77251		6521322	Plugged or Destroyed	N
City of Houston South End #3	P.O. Box 1562, Houston, TX 77251		6521323	Unused	N
Rice University	6100 Main St., Houston, TX 77005		6521324	Plugged or Destroyed	N
Admiral Linen Co.	29.738611	-95.408889	6521326	Industrial	N
City of Houston South End #12	**P.O. Box 1562, Houston, TX 77251**		**6521327**	**Public Supply**	**Y**
Preston Villa Apartments	**29.7375**	**-95.415556**	**6521328**	**Public Supply**	**Y**
Rice University	**6100 Main St., Houston, TX 77005**		**6521329**	**Public Supply**	**Y**
City of Houston	P.O. Box 1562, Houston, TX 77251		6521330	Plugged or Destroyed	N
Warwick Hotel	**29.723889**	**-95.389445**	**6521331**	**Public Supply**	**Y**
Admiral Linen Service	29.739722	-95.409167	6521332	Industrial	N

Baba Yega Resturant	2607 Grant St, Houston, TX 77006		6521334	Industrial	N
City of Southside Place	**6309 Edloe Avenue, Houston, TX 77005**		**6521502**	**Public Supply**	**Y**
Shamrock Hilton Hotel	29.705001	-95.409167	6521602	N/A	N
Shamrock Hilton Hotel	29.705278	-95.409445	6521603	N/A	N
City of Houston Southland	P.O. Box 1562, Houston, TX 77251		6521606	Unused	N
Gray Tool Co.	29.690834	-95.378611	6521621	Industrial	N
Thermal Energy Corp	**1615 S Braeswood Blvd, Houston, TX 77030**		**6521625**	**Public Supply**	**Y**
Labbco, Inc.	29.694722	-95.385834	6521626	Industrial	N
University of Houston	29.720278	-95.339445	6522102	N/A	N
City of Houston	P.O. Box 1562, Houston, TX 77251		6522103	Plugged or Destroyed	N
Seven-Up Bottling Co.	29.746111	-95.358056	6522104	Unused	N
City of Houston Scott St. #5	P.O. Box 1562, Houston, TX 77251		6522106	Unused	N
City of Houston Scott Street #2	P.O. Box 1562, Houston, TX 77251		6522118	Plugged or Destroyed	N
City of Houston Scott Street #1	P.O. Box 1562, Houston, TX 77251		6522119	Unused	N
City of Houston Scott Street #3	P.O. Box 1562, Houston, TX 77251		6522120	Unused	N
City of Houston Scott Street #4	P.O. Box 1562, Houston, TX 77251		6522121	Plugged or Destroyed	N
City of Houston Scott Street #7	**P.O. Box 1562, Houston, TX 77251**		**6522130**	**Public Supply**	**Y**
Dixon Packing Co.	29.717222	-95.334722	6522131	Industrial	N
Blue Ribbon Packing Co	29.719722	-95.336111	6522132	Industrial	N
Port City Stock Yards	29.715278	-95.336111	6522133	Industrial	N
Hamms Brewing	29.735	-95.32	6522202	Unused	N
Hughes Tool Co.	29.738334	-95.317222	6522203	Industrial	N
Able Supply Co.	29.741111	-95.320278	6522204	Industrial	N
Hughes Tool Co.	29.736389	-95.314167	6522210	Unused	N
Hughes Tool Co. #2	29.737778	-95.315278	6522211	Unused	N
Hughes Tool Co. #1	29.736945	-95.314445	6522212	Unused	N
Gulf Concrete Pipe Co	29.7425	-95.331389	6522213	Industrial	N
H B & T RR #2	29.717222	-95.327778	6522216	Unused	N
Standard Ice Co.	29.741945	-95.324722	6522218	Unused	N
Standard Ice Co.	29.742222	-95.325	6522219	Unused	N
Texas Ice and Fuel Co.	29.746945	-95.3225	6522220	Unused	N
Texas Ice and Fuel Co.	29.747222	-95.322778	6522221	Unused	N
Hygeia Ice Co.	29.731389	-95.328333	6522223	Unused	N
Schumacher Co.	29.731944	-95.315834	6522229	Industrial	N

City of Houston Southlawn	**P.O. Box 1562, Houston, TX 77251**		**6522404**	**Public Supply**	**Y**
Watson Service Station	29.700556	-95.373889	6522407	Industrial	N
Zero Food Co.	29.701667	-95.372778	6522412	Industrial	N
Industrial Metal Finishing Co.	4200 Perry Street, Houston, TX 77021		6522415	Industrial	N

*If no address found, Lat/Long coordinates used

Bold indicates potable

Table P-2 - HGSD Well Number to Owner and Use Correlation

OBJECTID	Well Number	PhysicalAddress	Permittee	IntendedUse	Diameter	Latitude	Longitude	Well Status	YearDrill	Total Depth	Depth First Screen	Elev.	x	y
228211	1784	No Data	RIVER OAKS COUNTRY CLUB	Other	24	29.7536	-95.4286	Plugged	1973	726	0	53	-10623064.4	3471917.989
228217	1676	No Data	SOUTHLAND CORPORATION, THE	Industrial	18	29.7647	-95.3603	Plugged	1946	900	622	45	-10615457.5	3473342.759
228220	2130	No Data	SPARKLE ICE COMPANY	Industrial	8	29.7508	-95.3822	Plugged	1941	517	310	53	-10617900.4	3471561.789
228224	2812	No Data	TEXACO, INC.	Industrial	4	29.7847	-95.4678	Plugged	1965	273	258	70	-10627424.3	3475907.77
228244	1862	42OO PERRY	Industrial Metal Finishing Company	Industrial	6	29.6964	-95.3547	Plugged	1960	337	269	46	-10614839.1	3464582.747
228259	2411	Bissonnet and Weslayan	West University Place, City of	Public Supply	20	29.7211	-95.4408	Plugged	1990	1,700	500	55	-10624424.9	3467751.4
228284	7404	4000 Essex (Key Map 492)	Gael Apartments, LP	Commercial/Domestic	6	29.7397	-95.4447	Operable	1999	420	160	55	-10624857.9	3470137.216
228313	1718	No Data	COMET RICE MILLS, INC.	Industrial	12	29.7661	-95.3231	Plugged	1965	617	495	45	-10611313.9	3473520.883
228356	2844	none.	HOUSTON SHELL & CONCRETE	Industrial	6	29.7897	-95.445	Plugged	1965	565	525	56	-10624888.8	3476549.103
228361	2756	none.	GENERAL ELECTRIC COMPANY	Industrial	6	29.7919	-95.4411	Lost	1969	553	433	55	-10624455.9	3476834.121
228427	7202	1400 Anderson	T/H Land Holdings, Ltd.	Other	5	29.7247	-95.465	Plugged	1999	400	380	57	-10627115.2	3468214.273
228498	1023	Central, #22.	Houston, City of	Public Supply	24	29.7617	-95.3917	Plugged	1966	1,644	700	32	-10618951.7	3472950.871
228549	3219	No Data	WINSTON, JR., J. O.	Public Supply	6	29.7714	-95.4678	Plugged	1939	337	286	50	-10627424.3	3474197.62
228575	1988	No Data	KIK (HOUSTON), INC.	Industrial	6	29.6956	-95.385	Plugged	1969	504	470	55	-10618209.6	3464475.998
228612	11552	955 Judiway, Houston, TX 77018	Batterson LLP	Other	4	29.8203	-95.4228	Unique See Report	No Data	420	400	75	-10622415	3480468.983
228716	6700	10 Oak Court (Key Map 493-I	Oakwood Apartment Management	Other	5	29.7506	-95.3808	Operable	1998	440	420	50	-10617745.8	3471526.144
228764	1111	No Data	Houston, City of	No Data	24	29.7214	-95.3894	Plugged	1962	2,215	700	49	-10618704.3	3467786.906
228804	3240	none.	MCDERMOTT, MRS. R. THOMAS	Other	5	29.7564	-95.4203	Exempt	1969	633	593	55	-10622136.7	3472274.07
228836	2869	1701 HERMAN DR.	PARKLANE PLAZA INTERESTS	Public Supply	8	29.7228	-95.3825	Lost	1939	490	450	45	-10617931.3	3467964.953
228867	1180	No Data	HOUSTON LIGHTING & POWER COMPANY	Industrial	18	29.7639	-95.3528	Plugged	1939	887	760	42	-10614622.6	3473235.809
228889	8594	5500 Sampson Street	USA Savoy Leasco, LLC	Other	5	29.715	-95.3697	Operable	2001	475	450	40	-10616508.9	3466968.104
228893	3624	No Data	FIRST CITY NATIONAL BANK	Other	8	29.76	-95.3617	Not Drille	1981	550	455	50	-10615612.1	3472737.235
228899	1798	No Data	Admiral Linen & Uniform Service	Industrial	6	29.7394	-95.4103	Plugged	1963	650	486	50	-10621023.5	3470101.575

228915	1084	No Data	Houston, City of	No Data	24	29.7953	-95.3361	No Plumb	1944	1,993	999	50	-10612767.3	3477261.661
228918	1019	No Data	Houston, City of	No Data	24	29.7644	-95.3689	Plugged	1945	2,035	884	25	-10616416.1	3473307.109
228919	1112	No Data	Houston, City of	No Data	24	29.7172	-95.3953	Plugged	1965	1,955	705	50	-10619353.7	3467252.91
228930	1659	No Data	COOK PAINT & VARNISH COMPANY	Industrial	14	29.7744	-95.3853	Plugged	1965	502	0	55	-10618240.5	3474589.547
229049	1181	none.	HOUSTON LIGHTING & POWER COMPANY	Industrial	24	29.7647	-95.3522	Plugged	1949	1,500	900	39	-10614560.8	3473342.759
229190	2687	6900 Main @ Maroneal	Texas Medical Center, Inc.	Other	18	29.7039	-95.4075	No Electri	1946	1,314	876	49	-10620714.3	3465543.911
229236	14868	3412 S. Parkwood Drive, Hou	Mission Custom Builders	Single-Family Dwelling	4	29.7078	-95.3661	Not Drille	0	300	280	36	-10616106.9	3466042.335
229248	2406	No Data	West University Place, City of	Public Supply	8	29.6961	-95.4203	Plugged	1949	257	235	55	-10622136.7	3464547.249
229324	9761	7030 Old Katy Freeway	Williams Brothers Const. Co., Inc.	Industrial	5	29.7847	-95.4417	Plugged	No Data	380	345	150	-10624517.7	3475907.77
229405	1366	No Data	CAMERON IRON WORKS, INC.	Industrial	12	29.7867	-95.4619	Plugged	1963	860	690	72	-10626775	3476157.116
229531	1807	No Data	Builders Supply Co. Of Houston	Industrial	4	29.7658	-95.35	Plugged	1982	0	0	30	-10614313.5	3473485.232
229566	2348	302-B Bennington	Southern Star Concrete, Inc.	Industrial	6	29.8208	-95.3719	Plugged	1974	548	508	0	-10616756.2	3480540.323
229575	10032	7030 Old Katy Freeway (Replaces 9761).	Williams Brothers Const. Co., Inc.	Public Supply	5	29.7847	-95.4417	Plugged	2005	360	320	150	-10624517.7	3475907.77
229578	9760	11th and Old Hempstead	Williams Brothers Const. Co., Inc.	Industrial	5	29.7878	-95.4436	Plugged	2004	380	325	150	-10624734.2	3476299.62
229667	5352	2040 North 610 Loop	Hartman Management	Lake/Pond/Pool	5	29.8117	-95.4406	Operable	1971	300	280	70	-10624394	3479364.163
229679	2637	none.	TISHMAN MANAGEMENT OF HOUSTON	Public Supply	16	29.7575	-95.3631	Plugged	1939	900	0	50	-10615766.7	3472416.66
229696	1865	7135 ARDMORE	GRAY TOOL COMPANY	Industrial	6	29.6914	-95.3783	No Elec, P	1971	442	412	45	-10617467.5	3463942.011
229700	2199	No Data	HERMANN HOSPITAL ESTATE	Public Supply	8	29.7139	-95.3956	Plugged	1963	417	366	45	-10619384.6	3466825.575
229710	1866	7111 Ardmore	GRAY TOOL COMPANY	Industrial	4	29.6914	-95.3783	Lost	1987	490	0	45	-10617467.5	3463942.011
229788	2032	No Data	PARKER BROTHERS & CO., INC.	Industrial	4	29.7536	-95.3169	Plugged	1967	382	359	36	-10610633.7	3471917.989
229791	1114	No Data	Houston, City of	No Data	24	29.6917	-95.3667	Plugged	1957	1,960	670	47	-10616168.7	3463977.635
229792	1060	No Data	Houston, City of	No Data	24	29.8097	-95.4056	Plugged	1936	1,232	581	68	-10620497.8	3479114.754
229793	1096	No Data	Houston, City of	No Data	24	29.7311	-95.3506	Plugged	1963	1,725	705	45	-10614375.2	3469033.283
229794	1069	W. 19 @ NICKOLSON	Houston, City of	No Data	24	29.8031	-95.4053	No Electri	1965	1,730	620	67	-10620466.9	3478259.437
229799	4265	none.	HINES CONSOLIDATED INVESTMENTS	Industrial	6	29.7625	-95.3625	Exempt	1990	58	35	48	-10615704.9	3473057.818
229851	12739	56 Tiel Way, Houston, TX 770	Steele, John	Single-Family Irrigation	5	29.7603	-95.4128	Not Drille	No Data	550	530	40	-10621301.8	3472772.755
229921	7544	7010 OLD KATY RD.	TRINITY INDUSTRIES, INC.	Commercial/Domestic	4	29.7869	-95.4444	Lost	1993	350	300	69	-10624826.9	3476192.774

230020	2204	111 North Post Oak.	Houstonian, The	Public Supply	4	29.7667	-95.4606	Plugged	1971	350	0	60	-10626620.4	3473592.056
230085	2410	No Data	West University Place, City of	Public Supply	12	29.7289	-95.4231	Plugged	1949	1,700	999	55	-10622445.9	3468748.31
230217	2566	No Data	ABERCROMBIE MINERAL CO., J. S.	Public Supply	6	29.7225	-95.4589	Plugged	1940	667	603	61	-10626434.8	3467929.446
230337	8133	none.	Hooper, Matthew	Other	4	29.7261	-95.4639	Plugged	No Data	400	320	60	-10626991.4	3468392.326
230513	2701	No Data	SUPERIOR CONCRETE ACCESSORIES	Industrial	6	29.7842	-95.4289	Plugged	1971	480	318	65	-10623095.2	3475836.456
230519	1113	Southend #13	Houston, City of	Public Supply	20	29.7131	-95.3933	Plugged	1973	1,787	718	45	-10619137.3	3466718.807
230520	1109	Southend #9	Houston, City of	Public Supply	24	29.7086	-95.3894	Plugged	1954	1,822	680	44	-10618704.3	3466149.225
230521	1110	Southend, #10	Houston, City of	Public Supply	24	29.7222	-95.3892	Plugged	1958	2,190	795	50	-10618673.4	3467893.811
230623	13397	3522 Washington Avenue, Hc	Mister Car Wash	Commercial/Domestic	5	29.77	-95.3953	Operable	0	400	370	58	-10619353.7	3474019.616
230737	1790	No Data	Admiral Linen & Uniform Service	Industrial	8	29.7506	-95.3842	Plugged	1967	600	540	53	-10618116.8	3471526.144
230756	2157	8412 Hempstead Road	Engineers and Fabricators Co.	Industrial	8	29.7875	-95.4389	Plugged	1957	330	291	70	-10624208.4	3476264.09
230803	3706	Heights, #6A (441 W. 26th St	Houston, City of	Public Supply	24	29.8103	-95.4058	Plugged	1990	2,000	702	68	-10620528.8	3479185.958
230853	2569	No Data	VA HOSPITAL	Public Supply	6	29.7025	-95.3878	Plugged	1962	463	412	48	-10618518.8	3465366.026
230862	2910	No Data	CROZIER-NELSON CHEM. & CONST.	Industrial	4	29.7967	-95.3472	Plugged	1981	0	0	55	-10614004.2	3477439.839
230883	2128	No Data	SPARKLE ICE COMPANY	Industrial	14	29.7392	-95.3139	Plugged	1960	425	255	41	-10610293.5	3470065.933
230934	5290	5701 Main inside the loop	ZaZA Fountains, LP	Public Supply	5	29.7242	-95.3894	Plugged	1992	420	351	50	-10618704.3	3468143.002
230939	1670	No Data	AMERICAN GENERAL LIFE INS. CO.	Public Supply	14	29.7608	-95.3936	Plugged	1963	1,337	999	35	-10619168.2	3472844.052
230945	2129	No Data	SPARKLE ICE COMPANY	Industrial	4	29.7508	-95.3822	Plugged	1970	514	410	56	-10617900.4	3471561.789
230970	8820	401 Nora's Lane	WFI International	Commercial/Domestic	5	29.8292	-95.3967	Plugged	2001	450	425	65	-10619508.3	3481609.572
231024	2407	No Data	West University Place, City of	Public Supply	6	29.7153	-95.4394	Plugged	1938	768	642	55	-10624270.3	3467003.608
231057	7483	7100 Old Katy Road	Beeson Properties	Commercial/Domestic	4	29.7861	-95.4436	Plugged	1976	250	225	66	-10624734.2	3476085.929
231076	12758	1495 North Post Oak Road	NPO 1495, LP	Other	6	29.7972	-95.4581	Not Drille	201	370	350	75	-10626342.1	3477511.162
231094	9338	2555 Washington Ave.	Glenwood Cemetery, Inc.	Other	4	29.7675	-95.3856	No Elec, P	1988	500	400	50	-10618271.4	3473699.008
231105	2203	No Data	Houstonian, The	Public Supply	8	29.7667	-95.4589	Plugged	1961	500	0	60	-10626434.8	3473592.056
231216	2727	none.	ALLBRITTON, JOE L.	Other	5	29.7539	-95.4219	Exempt	1977	400	370	0	-10622322.2	3471953.507
231220	1672	No Data	WYNDHAM WARWICK ASSOCIATES	Public Supply	10	29.7239	-95.3894	Plugged	1962	900	318	50	-10618704.3	3468107.366
231223	1952	No Data	National Vinegar Company	Industrial	4	29.7675	-95.3356	Plugged	1968	506	486	45	-10612705.4	3473699.008
231335	2169	No Data	HARDING, GEORGE F.	Industrial	6	29.7919	-95.3878	Plugged	1962	476	420	60	-10618518.8	3476834.121
231413	1539	6309 Edloe	Southside Place, City of	Public Supply	14	29.7139	-95.4333	Plugged	1969	994	710	55	-10623590	3466825.575

231488	11023	1615 Braeswood Houston, Texas 77030	Thermal Energy Corporation	Commercial/Domestic	20	29.7036	-95.3967	Not Drille	No Data	1,500	706	50	-10619508.3	3465508.411
231686	3458	CALHUN @ BAYOU, (BIG DIT(	UNIVERSITY OF HOUSTON	Other	4	29.7139	-95.3394	Plugged	1986	100	100	41	-10613138.4	3466825.575
231694	3707	No Data	Houston, City of	No Data	24	29.7994	-95.4081	Not Drille	1988	612	350	67	-10620776.1	3477796.202
231706	1095	No Data	Houston, City of	Public Supply	24	29.7258	-95.3503	Plugged	1963	2,157	580	45	-10614344.3	3468356.689
231750	2686	none.	TEXAS MEDICAL CENTER, INC.	Public Supply	18	29.7047	-95.4083	Plugged	1946	1,644	999	49	-10620807.1	3465650.797
231812	12419	1561 Kirby Drive	Klaes, Daniel	Single-Family Irrigation	4	29.7536	-95.4172	Not Drille	201	65	55	56	-10621796.6	3471917.989
231863	3993	5200 JENSEN DR.	GOODWILL INDUSTRIES OF HOUSTON	Industrial	5	29.8081	-95.3408	Lost	1990	540	500	52	-10613293	3478900.887
231955	8385	none.	Houston Garden Center	Other	4	29.7986	-95.4514	Plugged	No Data	400	375	70	-10625599.9	3477689.343
232026	8076	7777 Knight Street	Univer. of Texas Health Science Center at Houston	Other	5	29.6942	-95.3978	Plugged	No Data	440	420	50	-10619632	3464298
232028	10609	915 W. 26th St Houston	Moss Landscaping	Other	4	29.8103	-95.4036	Not Drille	No Data	450	440	71	-10620281.4	3479185.958
232038	1108	Southend #8.	Houston, City of	Public Supply	24	29.7142	-95.3822	Plugged	1953	1,670	710	46	-10617900.4	3466861.207
232054	1951	No Data	National Vinegar Company	Industrial	4	29.7675	-95.3356	Plugged	1968	506	486	45	-10612705.4	3473699.008
232106	1128	No Data	Houston, City of	Public Supply	24	29.7267	-95.4589	Plugged	1960	2,015	630	65	-10626434.8	3468463.47
232141	2006	5620 Polk Avenue	Schumacher Company, Inc.	Industrial	8	29.7322	-95.3169	Plugged	1969	342	265	45	-10610633.7	3469175.709
232174	2270	No Data	GOODWILL INDUSTRIES OF HOUSTON	Industrial	10	29.8081	-95.3408	Plugged	1955	579	496	52	-10613293	3478900.887
232225	9616	111 North Post Oak Lane Houston, TX 77024	Houstonian, The	Other	5	29.7689	-95.4592	Plugged	2003	470	450	60	-10626465.8	3473877.009
232255	11189	3014 Hicks St, Houston	GSC Wholesale, LLC	Industrial	4	29.7733	-95.3925	Lost	2009	400	380	50	-10619044.5	3474447.062
232262	8451	5321 Westpark	Houston Steel Service	Commercial/Domestic	5	29.7244	-95.4306	Plugged	1986	460	430	60	-10623280.8	3468178.637
232290	1061	No Data	Houston, City of	No Data	24	29.8211	-95.4228	Plugged	1949	1,730	610	70	-10622415	3480575.993
232389	4266	none.	HINES CONSOLIDATED INVESTMENTS	Industrial	2	29.7625	-95.3625	Exempt	1990	44	25	48	-10615704.9	3473057.818
232420	1085	Northeast #4	Houston, City of	Public Supply	24	29.8042	-95.3358	Plugged	1949	2,080	735	50	-10612736.4	3478401.965
232421	1068	Heights, #16	Houston, City of	Public Supply	24	29.8042	-95.4061	Plugged	1962	1,890	610	68	-10620559.7	3478401.965
232422	3372	Heights #7A (Herkimer & 15t	Houston, City of	Public Supply	24	29.7986	-95.4072	Plugged	1936	1,458	561	69	-10620683.4	3477689.343
232423	1021	Central, #C-20.	Houston, City of	Public Supply	24	29.7669	-95.3831	Lost	1949	1,960	999	46	-10617993.1	3473627.707
232424	1062	Heights, #10	Houston, City of	Public Supply	24	29.8258	-95.4186	Plugged	1949	1,880	600	73	-10621951.2	3481181.888
232426	1086	Northeast #5	Houston, City of	Public Supply	24	29.8014	-95.3358	Plugged	1949	1,980	999	50	-10612736.4	3478045.585
232446	1576	No Data	GENERAL PORTLAND, INC.	Industrial	14	29.7553	-95.3347	Plugged	1951	612	500	50	-10612612.7	3472131.611
232492	8831	2815 Bammel 77098Key M	GBL Developers LLC	Lake/Pond/Pool	4	29.7406	-95.4236	Operable	2001	50	40	55	-10622507.8	3470244.012

232501	2070	none.	WEINGARTEN REALTY, INC.	Industrial	6	29.7861	-95.4508	Plugged	1969	438	413	71	-10625538.1	3476085.929
232552	1687	No Data	UNIVERSITY OF HOUSTON	Industrial	8	29.7206	-95.3353	Plugged	1965	748	745	40	-10612674.5	3467680.131
232655	5814	4500 Memorial Drive	St. Thomas High School	Other	5	29.7628	-95.4075	Capped	No Data	450	430	55	-10620714.3	3473093.339
232862	8849	701 T.C. Jester	Stonewood Apartments	Other	5	29.785	-95.4189	Capped	2002	450	430	55	-10621982	3475943.427
232929	9070	2345 Sage Road in Houston	Montierra Apartments, LLC	Commercial/Domestic	5	29.7431	-95.4661	Operable	2002	425	415	60	-10627238.9	3470564.533
232982	3520	331 W. Friar Tuck Lane	ROANE, GAY A.	Other	6	29.7742	-95.4719	Plugged	1980	500	460	60	-10627888.2	3474553.893
233066	1022	Central, #21	Houston, City of	Public Supply	24	29.7628	-95.3772	Plugged	1957	2,020	745	43	-10617343.8	3473093.339
233113	4655	No Data	COOPER INDUSTRIES	Industrial	4	29.7844	-95.4631	Not Drille	No Data	50	28	72	-10626898.7	3475872.113
233114	4649	No Data	COOPER INDUSTRIES	Industrial	4	29.7875	-95.4667	Not Drille	No Data	50	28	72	-10627300.7	3476264.09
233115	4656	No Data	COOPER INDUSTRIES	Industrial	4	29.7844	-95.4619	Not Drille	No Data	50	28	72	-10626775	3475872.113
233116	4651	No Data	COOPER INDUSTRIES	Industrial	4	29.7875	-95.4625	Not Drille	No Data	50	28	72	-10626836.9	3476264.09
233117	4652	No Data	COOPER INDUSTRIES	Industrial	4	29.7875	-95.4606	Not Drille	No Data	50	28	72	-10626620.4	3476264.09
233118	4650	No Data	COOPER INDUSTRIES	Industrial	4	29.7875	-95.4639	Not Drille	No Data	50	28	72	-10626991.4	3476264.09
233119	4653	No Data	COOPER INDUSTRIES	Industrial	4	29.7844	-95.4667	Not Drille	No Data	50	28	72	-10627300.7	3475872.113
233120	4654	No Data	COOPER INDUSTRIES	Industrial	4	29.7844	-95.4653	Not Drille	No Data	50	28	72	-10627146	3475872.113
233168	4117	4115 Gillespie	National Vinegar Company	Industrial	5	29.7681	-95.3292	No Elec, P	1990	350	300	40	-10611994.2	3473770.183
233308	2334	3821 JENSEN	FREEDMAN BROTHERS PACKING CO.	Industrial	6	29.8047	-95.3422	Lost	1972	511	360	52	-10613447.6	3478473.293
233333	11458	3985 Inverness Houston, Tx 77019	Robertson, Corbin	Other	5	29.7511	-95.4447	Exempt	1996	450	375	25	-10624857.9	3471597.434
233504	14513	1 Pine Hill Lane, Houston, Te	Slade, Cindy	Single-Family Irrigation	4	29.7569	-95.4369	Not Drille	0	350	340	45	-10623992	3472345.365
233649	1020	No Data	Houston, City of	Public Supply	24	29.7606	-95.3819	Plugged	1948	1,980	999	52	-10617869.4	3472808.404
233748	3625	No Data	Builders Supply Co. Of Houston	Industrial	6	29.7658	-95.3497	Plugged	1981	0	0	30	-10614282.5	3473485.232
233819	9086	2607 Grant Street	Nowamooz, Ashkan	Other	4	29.7464	-95.39	Operable	2002	400	385	50	-10618766.2	3470991.864
233999	1788	No Data	LAMAR HOTEL	Public Supply	8	29.7919	-95.3753	Not Drille	1928	0	0	50	-10617127.3	3476834.121
234003	1783	No Data	RIVER OAKS COUNTRY CLUB	Other	16	29.7536	-95.4286	Plugged	1967	1,224	587	53	-10623064.4	3471917.989
234006	2478	No Data	WEINGARTEN, INC., J.	Public Supply	6	29.7511	-95.3219	Plugged	1957	905	814	40	-10611190.3	3471597.434
234116	5861	2400 Dallas	E.J. Group LLC	Agricultural Irrigation	5	29.7478	-95.3539	Plugged	1980	200	150	40	-10614746.3	3471169.954
234117	5862	2400 Dallas	E.J. Group LLC	Agricultural Irrigation	5	29.7478	-95.3542	Open Casi	1982	180	170	40	-10614777.2	3471169.954
234126	7611	No Data	THOMPSON & HANSON GARDENS	Other	4	29.7375	-95.4344	Not Drille	No Data	400	380	55	-10623713.7	3469852.346
234131	2843	No Data	HOUSTON SHELL & CONCRETE	Industrial	6	29.7622	-95.3433	Plugged	1962	640	600	49	-10613571.3	3473022.169

234137	2017	none.	GIFFORD-HILL & COMPANY, INC.	Industrial	6	29.8197	-95.3581	Plugged	1967	560	460	63	-10615210.1	3480397.772
234140	3215	GOLD ST.	TRUMIX CONCRETE COMPANY	Industrial	6	29.8117	-95.3486	Plugged	1971	478	456	55	-10614158.8	3479364.163
234141	3214	GOLD ST.	TRUMIX CONCRETE COMPANY	Industrial	6	29.8117	-95.3486	Plugged	1972	0	0	55	-10614158.8	3479364.163
234254	1977	5301 POLK	HUGHES TOOL COMPANY	Industrial	18	29.7372	-95.3192	Capped	1969	1,133	838	38	-10610881	3469816.705
234255	1978	5301 POLK	HUGHES TOOL COMPANY	Industrial	22	29.7358	-95.3186	Capped	1957	1,120	849	38	-10610819.2	3469638.633
234276	7590	2216 Airline Dr, Houston, TX,	Satgur Properties, Inc.	Public Supply	5	29.8072	-95.3814	Operable	1992	320	300	57	-10617807.5	3478794.019
234284	7439	848 W. 27th Street	MSN Properties 1, LP	Other	4	29.8103	-95.4144	Operable	1978	0	0	65	-10621487.3	3479185.958
234307	2408	No Data	West University Place, City of	Public Supply	12	29.7156	-95.4394	Plugged	1939	1,182	943	55	-10624270.3	3467039.24
234308	2409	No Data	West University Place, City of	Public Supply	12	29.7156	-95.4394	Plugged	1941	1,600	999	55	-10624270.3	3467039.24
234423	1987	none.	LABBCO, INC.	Industrial	6	29.6953	-95.3856	Plugged	1971	504	470	55	-10618271.4	3464440.373
234437	7410	none.	Children's Museum of Houston, The	Industrial	5	29.7219	-95.385	Plugged	1991	0	0	44	-10618209.6	3467858.176
234673	13680	29 West Lane	Verma, Dee	Other	5	29.7497	-95.4461	Not Drille	0	400	370	58	-10625012.5	3471419.337
234856	4125	2903 DUPREE	KIK (HOUSTON), INC.	Industrial	8	29.6942	-95.3861	No Plumb	1986	300	270	48	-10618333.3	3464298
234883	3239	2124 River Oaks By tennis court, Front yard, call	Sarofim, Fayez	Other	5	29.7456	-95.4269	Exempt	1953	644	1	60	-10622878.8	3470885.062
235022	5549	7210 Ardmore	Energy Transfer Data Center	Other	4	29.6936	-95.3808	Operable	1979	0	0	50	-10617745.8	3464226.878
235144	1365	No Data	COOPER CAMERON CORP - CAMRON DIV	Industrial	16	29.7869	-95.4625	Plugged	1960	1,568	970	72	-10626836.9	3476192.774
235389	4177	105 N. Post Oak LaneHouston	Fay School, The	Other	4	29.7675	-95.4592	Operable	1985	465	445	60	-10626465.8	3473699.008
235401	9925	3360 Alice Houston, TX	Parkside Point, Good Harbor Management	Lake/Pond/Pool	5	29.6922	-95.375	Operable	2004	450	430	50	-10617096.4	3464048.884
235535	4415	640 W Crosstimbers	CWP Asset Corp./Mister Car Wash	Other	5	29.8281	-95.4086	Operable	1990	565	525	75	-10620838	3481467.009
235682	14842	602 Buckingham Houston Tx	Kostial, Peggy	Single-Family Irrigation	4	29.7778	-95.4667	Not Drille	0	400	380	63	-10627300.7	3475017.012
235769	4973	2200 Willowick, Houston, Te	Willowick Condominium Assoc.	Commercial/Domestic	5	29.745	-95.4425	Operable	1990	508	426	60	-10624610.5	3470813.903
235779	8986	5151 Richmond Ave	Stone Mountain Properties	Other	5	29.7317	-95.4653	Operable	2002	400	380	62	-10627146	3469104.432
235905	5784	8552 Memorial Drive	Houston Polo Club	Other	6	29.7767	-95.4489	Operable	1996	430	400	50	-10625321.6	3474874.522
235994	5785	8552 Memorial Drive	Houston Polo Club	Other	5	29.7767	-95.4483	Operable	1993	430	410	50	-10625259.8	3474874.522
236035	5789	3988 Clay Street	Calco Marketing Inc.	Agricultural Irrigation	5	29.7392	-95.3408	Operable	1990	600	550	30	-10613293	3470065.933

236154	11658	702 N San Jacinto St, Houstor	Harris County - North Buffalo Bayou (Central Plant)	Other	13	29.7644	-95.3558	Operable	No Data	680	450	0	-10614962.8	3473307.109
236295	5530	2002 Holcombe Blvd.	V.A. Medical Center	Lake/Pond/Pool	6	29.6986	-95.3892	Operable	1996	550	350	50	-10618673.4	3464867.629
236296	10786	2002 Holcombe Blvd	V.A. Medical Center	Lake/Pond/Pool	10	29.6983	-95.3914	Operable	2009	550	510	50	-10618920.7	3464832.002
236423	16183	6541 Bertner Ave, Houston, T	Houston Methodist Hospital	Commercial/Domestic	12	29.7109	-95.3973	Not Drille	No Data	450	400	38	-10619654.6	3466351.615
236448	8795	5345 610 W. Loop	Houston Garden Center #11	Commercial/Domestic	4	29.725	-95.4586	Operable	2001	350	290	60	-10626404	3468249.909
236449	5961	4200 Perry @ England	Industrial Metal Finishing Company	Industrial	4	29.6967	-95.3556	Capped	1996	440	420	40	-10614931.8	3464618.373
236773	2198	330 25th	National Flame & Forge, Inc.	Industrial	6	29.8089	-95.4031	Plugged	1965	612	0	65	-10620219.5	3479007.756
236862	9268	2121 Kirby Dr.	Huntingdon Council of Co-Owners, The	Commercial/Domestic	6	29.7475	-95.4178	Not Drille	No Data	550	520	55	-10621858.4	3471134.439
237045	1540	3760 Bellaire	Southside Place, City of	Public Supply	20	29.7064	-95.4361	Operable	1956	1,326	748	55	-10623899.3	3465864.315
237406	13062	2910 Lazy Lane , Houston, TX	McCarthy, Bailey	Commercial/Domestic	5	29.7561	-95.4175	Operable	No Data	450	430	55	-10621827.5	3472238.551
238218	7862	7777 Knight Road	UTMD Anderson Cancer Center	Other	6	29.6936	-95.3986	Operable	1999	600	500	49	-10619724.8	3464226.878
238299	5893	2440 North Blvd	Boulevard Apartments, The	Commercial/Domestic	5	29.7281	-95.4164	Operable	1997	350	340	55	-10621703.7	3468641.526
238455	13807	2 Tiel Way, Houston, Texas 7	Robertson, James	Single-Family Irrigation	5	29.76	-95.4094	Not Drille	0	420	20	38	-10620930.7	3472737.235
238478	12943	3358 Inwood Drive, Houston,	Barnhart, Paul Jr.	Single-Family Irrigation	5	29.7522	-95.4289	Operable	No Data	400	380	57	-10623095.2	3471739.887
238602	9533	302-B Bennington	Southern Star Concrete, Inc.	Industrial	5	29.8208	-95.3719	Capped	2003	500	480	65	-10616756.2	3480540.323
238608	7591	220 East 11 Street	Do, Hung Dang	Other	5	29.7903	-95.3956	Capped	1992	300	280	58	-10619384.6	3476620.292
238830	13129	3925 Inverness Houston Tx 7	Crane, James R.	Single-Family Irrigation	5	29.7511	-95.4425	Operable	No Data	400	380	56	-10624610.5	3471597.434
238835	2256	Campanille Road	Rice University, William Marsh	Commercial/Domestic	18	29.7211	-95.4	Operable	1969	1,650	999	50	-10619879.4	3467751.4
238838	4027	1615 Braeswoodin the Texas	Thermal Energy Corporation	Industrial	14	29.7042	-95.3981	Operable	1990	1,000	785	45	-10619662.9	3465579.54
238839	10137	1601 Braeswood	Thermal Energy Corporation	Industrial	8	29.7039	-95.3969	Operable	2008	570	0	50	-10619539.2	3465543.911
238840	7707	6935 South Main Street	Thermal Energy Corporation	Industrial	5	29.7047	-95.405	Operable	1999	500	470	50	-10620436	3465650.797
238895	12954	3439 Del Monte, Houston TX	Cain, Walker	Single-Family Irrigation	5	29.7506	-95.4325	Operable	No Data	400	380	58	-10623497.3	3471526.144
238897	2056	8550 Memorial Drive	Bayou Club of Houston	Lake/Pond/Pool	5	29.7769	-95.4536	Operable	1954	1,037	0	66	-10625847.4	3474910.176
239085	4495	4200 Perry @ England533M	Industrial Metal Finishing Company	Industrial	5	29.6967	-95.3553	Operable	1990	350	281	46	-10614900.9	3464618.373
239342	4346	1500 Old Spanish Trail	1500 OST, LLC	Industrial	6	29.6942	-95.4061	No Elec, P	1990	500	40	48	-10620559.7	3464298
239647	14265	2945 Lazy Lane Blvd, Houstor	Bratsen, Mike	Commercial/Domestic	6	29.7553	-95.4192	Not Drille	0	400	380	57	-10622013	3472131.611

239932	4477	Zoo Well	Houston, City of	Public Supply	4	29.7164	-95.3911	Operable	1992	0	0	48	-10618889.9	3467146.011
239935	14323	3754 Willowick Rd. Houston,	Wilson, Herman	Single-Family Irrigation	5	29.7553	-95.4394	Operable	0	450	430	51	-10624270.3	3472131.611
240005	1125	Southwest, #9	Houston, City of	Public Supply	24	29.7278	-95.4511	Operable	1953	1,051	554	60	-10625569.1	3468605.889
240006	1126	Southwest, #10	Houston, City of	Public Supply	24	29.7303	-95.4508	Operable	1953	1,965	999	63	-10625538.1	3468926.369
240010	14595	2945 Lazy Lane Blvd, Houstor	Arnold, Matt	Single-Family Irrigation	6	29.7553	-95.4192	Not Drille	0	400	380	56	-10622013	3472131.611
240170	6114	111 North Post Oak	Houstonian, The	Other	5	29.7681	-95.4603	Operable	1998	400	380	60	-10626589.4	3473770.183
240179	5112	7200 Almeda	Helix at Medical Center	Other	5	29.6936	-95.3892	Operable	1996	425	399	50	-10618673.4	3464226.878
240186	3986	Wakeforest at Westpark	West University Place, City of	Public Supply	20	29.7286	-95.4225	Operable	1990	1,360	800	55	-10622384.1	3468712.8
240187	3768	College and Milton	West University Place, City of	Public Supply	20	29.7161	-95.4383	Operable	1982	1,700	325	55	-10624146.6	3467110.506
240190	13394	3953 Inverness Dr, Houston	Cockrell, Ernest H.	Single-Family Irrigation	5	29.7511	-95.4436	No Electri	0	400	370	70	-10624734.2	3471597.434
240311	4590	1001 Louisiana	Kinder Morgan	Commercial/Domestic	8	29.7578	-95.3675	Operable	1962	1,372	480	50	-10616261.5	3472452.179
240420	11040	1801 Allen ParkwayHouston,	Federal Reserve Bank of Dallas	Other	5	29.7592	-95.385	Operable	2009	400	380	50	-10618209.6	3472630.29
240440	4748	Belliare @ Newcastle	Bellaire, City of	Public Supply	5	29.7069	-95.4497	Open Casi	1995	450	420	60	-10625414.5	3465935.574
240497	11191	3131 East Holcombe Houstor	2ML Real Estate Interest Inc	Commercial/Domestic	4	29.7064	-95.3772	No Elec, P	2009	400	380	50	-10617343.8	3465864.315
240546	3964	2030 Kipling	Admiral Linen & Uniform Service	Industrial	8	29.7394	-95.4092	Operable	1990	650	486	55	-10620899.8	3470101.575
240585	11190	3100 Holcombe BlvdHouston	GSC Wholesale, LLC	Commercial/Domestic	4	29.7028	-95.3797	Operable	2009	500	480	50	-10617622.1	3465401.526
240967	2732	1715 West Alabama Street	Wilshire Village Corporation	Commercial/Domestic	8	29.7367	-95.4025	Plugged	1939	526	400	55	-10620157.7	3469745.425
240974	13022	3030 Inwood Dr, Houston, Tx	Dogget, WM Leslie & Ann	Single-Family Irrigation	5	29.7519	-95.4225	Operable	No Data	550	530	56	-10622384.1	3471704.242
241050	7262	1021 N. San Jacinto & Wood	2007 White Sands Galv, LP and Texas Asset Servicing LLC	Commercial/Domestic	4	29.7672	-95.3569	Operable	1999	400	390	40	-10615086.5	3473663.357
241169	2265	418 JENSEN @ CLINE	SWANN ICE SERVICE, INC., C. H.	Industrial	4	29.7658	-95.3422	Lost	1981	0	0	25	-10613447.6	3473485.232
241195	2612	No Data	No Data	Industrial	8	29.7642	-95.3139	Plugged	1974	667	0	41	-10610293.5	3473271.459
241253	7482	6800 Old Katy Road	Beeson Properties	Commercial/Domestic	4	29.785	-95.4406	Plugged	1976	250	225	66	-10624394	3475943.427
241506	2611	No Data	No Data	Industrial	8	29.7642	-95.3139	Plugged	1958	595	0	41	-10610293.5	3473271.459
241567	5297	7171 Buffalo Speedway	Camden Property Trust	Other	5	29.7036	-95.4269	Operable	1995	450	420	50	-10622878.8	3465508.411
241569	13287	3640 Willowick, Houston Tex	Raymond, John & Leigh Anne	Lake/Pond/Pool	5	29.7539	-95.4344	Operable	0	400	370	62	-10623713.7	3471953.507
241593	5459	777 Dunlavy Street, Houston,	Villas at River Oaks	Other	5	29.7581	-95.4017	Operable	1996	430	410	50	-10620064.9	3472487.827
241731	5717	Alabama & Buffalo Speedway	St. Johns School	Other	6	29.7397	-95.4281	Operable	1997	500	450	55	-10623002.5	3470137.216
241738	12557	Washington at Old Katy Rd., I	Harris Co. M.U.D. 537	Lake/Pond/Pool - used	5	29.7839	-95.4414	Not Drille	201	300	280	70	-10624486.7	3475800.799
241739	12556	Washington at Old Katy Rd., I	Harris Co. M.U.D. 537	Lake/Pond/Pool - used	5	29.7839	-95.4414	Operable	201	300	280	70	-10624486.7	3475800.799

241861	13307	4000 S. McGregor Way Hous	Schroder, Darryl	Single-Family Irrigation	4	29.7081	-95.3528	Not Drille	0	400	380	70	-10614622.6	3466077.965
241953	4959	3150 Kirby (Key Map 492Y) 3115 Polk	CWP Asset Corp./Mister Car Wash	Other	5	29.7367	-95.4194	Operable	1994	550	525	55	-10622043.9	3469745.425
241967	5748	Houston, TX 77003	HBS Warehouse Associates	Other	5	29.7442	-95.3478	Capped	1996	500	500	40	-10614066	3470706.975
241982	11394	6565 Fannin Houston, TX 77(	Methodist Hospital, The	Commercial/Domestic	12	29.7097	-95.4006	Operable	No Data	420	370	45	-10619941.2	3466291.618
242117	14514	8818 Sanderingham Houston	Tavakoli, Fred	Single-Family Irrigation	5	29.7753	-95.4631	Operable	0	350	340	64	-10626898.7	3474696.38
242170	10433	7600 Fannin	Woman's Hospital of Texas	Commercial/Domestic	5	29.6928	-95.4044	Operable	2007	400	375	50	-10620374.1	3464120.004
242331	13100	3401 Sleepy Hollow Court, H(	Pritchard, Bill	Single-Family Irrigation	5	29.7478	-95.4328	Operable	No Data	450	420	58	-10623528.1	3471169.954
242340	14275	2 1/2 Remington Ln Houston	D'Andrea, Mark	Single-Family Irrigation	4	29.7247	-95.3931	Operable	0	300	280	49	-10619106.3	3468214.273
242453	14480	29 West Lane, Houston, Texa	Verma, Dheeraj	Commercial/Domestic	5	29.7494	-95.4461	Operable	0	400	370	56	-10625012.5	3471383.692
242463	16327	3407 Inwood Dr, Houston, Te	Morian, Reed	Single-Family Irrigation	5	29.7511	-95.4308	No Data	No Data	450	430	57	-10623321.6	3471597.434
242473	5431	2300 McCue, Houston, Texas	Montecito	Commercial/Domestic	5	29.7447	-95.4658	Operable	1996	470	380	60	-10627207.9	3470778.26

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 401 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 39 Longitude - 95 27 42 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Westview

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - 02/21/1949 Depth - 598 ft. Source of Depth - D Altitude - 73 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS
Date- 02/21/1949 Measurement- -118.60
Date- 06/16/1960 Measurement- -164.60

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCT
Well No. - 65 13 401

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-401

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513401
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.794445
Latitude (degrees minutes seconds)	29° 47' 40" N
Longitude (decimal degrees)	-95.461945
Longitude (degrees minutes seconds)	095° 27' 43" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	73
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	598
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	2/21/1949
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Westview
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

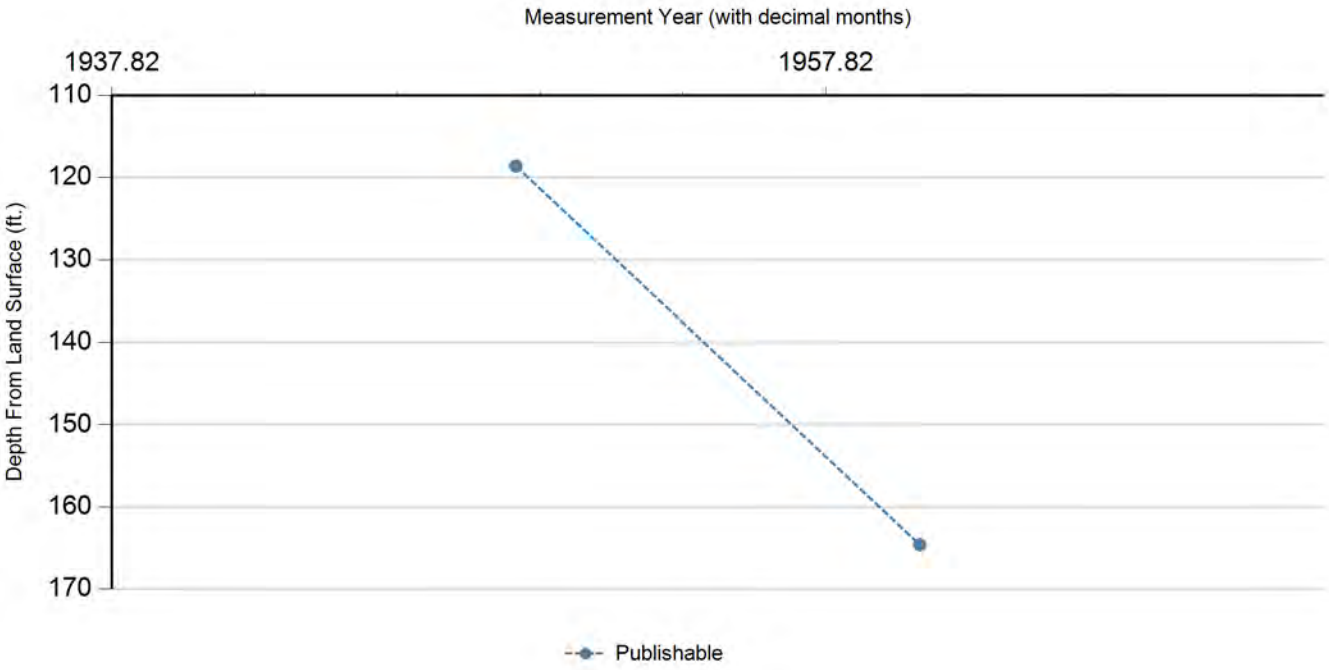
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-401

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/21/1949		118.6		-45.6	1	Registered Water Well Driller	Unknown		
P	6/16/1960		164.6	46.00	-91.6	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-13-401

groundwater division

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-502

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513502
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.816389
Latitude (degrees minutes seconds)	29° 48' 59" N
Longitude (decimal degrees)	-95.416944
Longitude (degrees minutes seconds)	095° 25' 01" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	71
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	259
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Mraz Dance Hall
Driller	H. L. Jackson Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Reported 10 ft. of screen.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

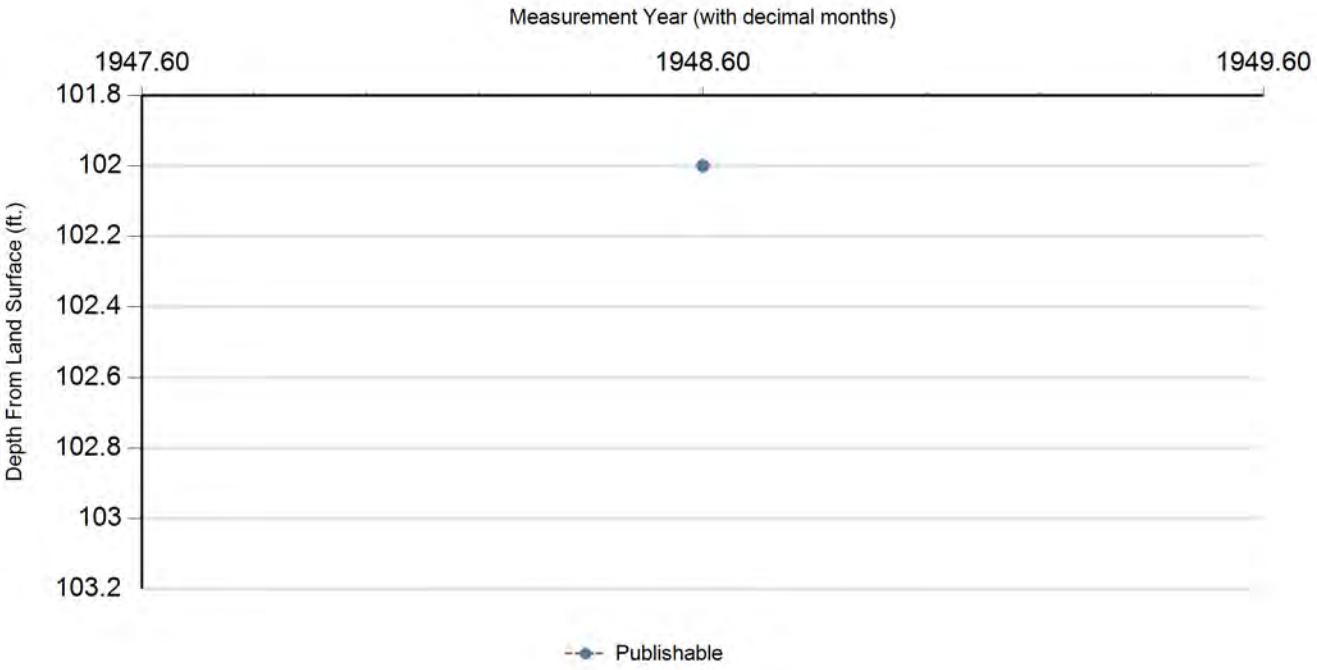
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/9/1948		102		-31	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-502

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 503 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 52 Longitude - 95 27 23 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Phillip Carey Manufacturing Co.
Driller - W. J. Swinehart

Address _____ Tenant/Oper. _____
Date Drilled - / /1947 Depth - 160 ft. Source of Depth - Altitude - 74 ft. Source of Alt. -
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User -

WELL CONSTRUCTION Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 04/24/1964 Measurement- -131.10
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 09/30/2002

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB R178: Screen from 140 to 160 ft.

Aquifer - 112CHCT
Well No. - 65 13 503

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-503

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513503
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.797778
Latitude (degrees minutes seconds)	29° 47' 52" N
Longitude (decimal degrees)	-95.456389
Longitude (degrees minutes seconds)	095° 27' 23" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	74
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	160
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1947
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Phillip Carey Manufacturing Co.
Driller	W. J. Swinehart
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 140 to 160 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

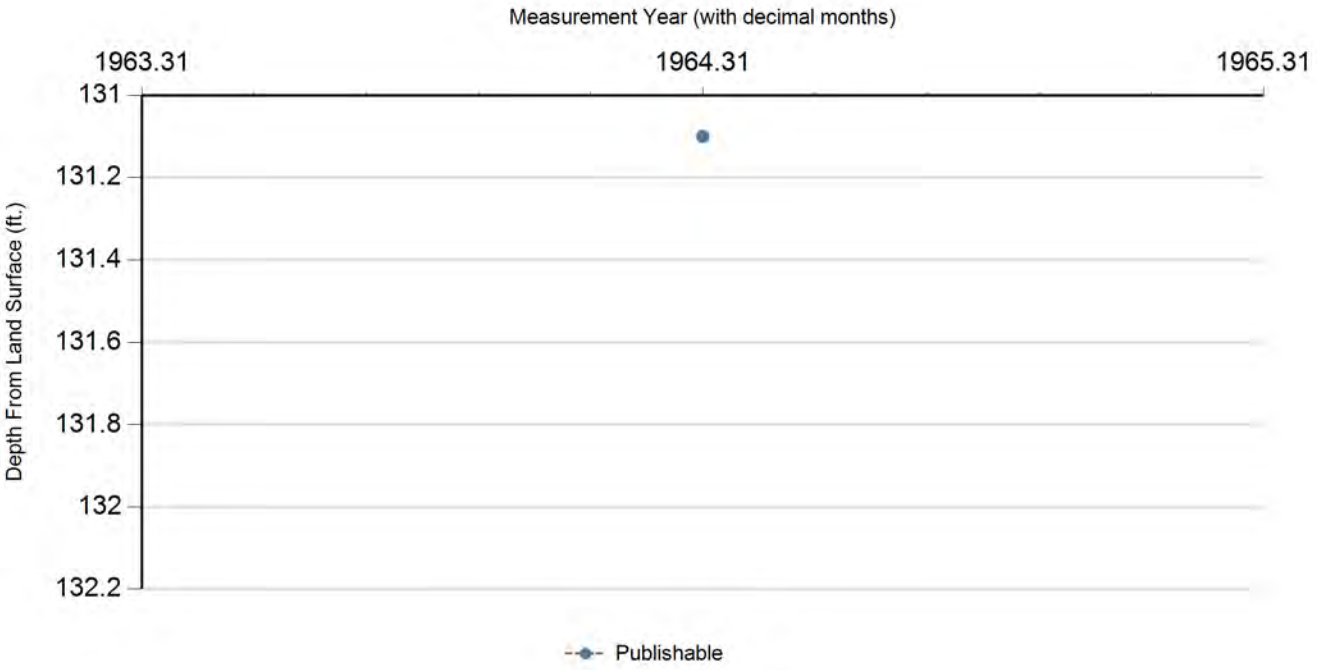
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/24/1964		131.1		-57.1	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 516 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 35 Longitude - 95 26 32 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - General Electric Driller - Lowry Water Wells

Address _____ Tenant/Oper. _____
Date Drilled - 03/06/1969 Depth - 533 ft. Source of Depth - D Altitude - 73 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 15

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- D Other Data-

WATER LEVELS
Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 11/03/1998

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-516

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513516
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.792222
Latitude (degrees minutes seconds)	29° 47' 32" N
Longitude (decimal degrees)	-95.440834
Longitude (degrees minutes seconds)	095° 26' 27" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	73
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	533
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	3/6/1969
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	General Electric
Driller	Lowry Water Wells
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	11/3/1998
Last Update Date	6/26/2009

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-601

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by McAdoo Naftel & Gobrysch 1961 Source of data File Date 2-15-68 Map 1:24000 Houston Heights 1955

State Texas 48 County (or town) Harris LJ

Latitude: 29 49 31 N (deg, min, sec) Longitude: 095 24 08 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼ B & M

Local well number: LJ-65-13-601 Other number: #10

Local use: Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Heights Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1949 – Annual S Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 7-3-49 A Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: F-Log (T-9) E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1880 ft 1880 Meas. (rept) Driller accuracy 3

Depth cased (first perf.) 600 ft 600 Casing type: S ; Diam. 24-12 in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: 5-19-49 949 Pump intake setting: ft

Driller: Texas Water Wells, Inc. (name) Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other T Deep Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 200 W Trans. or water no.

Descrip. MP Top of agitator Pipe +1.1 ft above below LSD. Alt. MP

Alt. LSD: 73 73 Accuracy: (source) Topo 5' 3

Water Level 139.08 ft above below MP; Ft above below LSD 138 Accuracy: Meas A

Date meas: 7-19-49 749 Yield: 2540 gpm 2540 Method determined 4

P/L = 207 137

Drawdown: 68 ft 68 Accuracy: meas. 0 Pumping period 96 hrs 96

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-13-601

Well No. LJ-65-13-601

Latitude-longitude 29 49 31 N S 095 24 08 1
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain 03 (20–21) Section: _____

F (22) Drainage Basin: _____ 51 R (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series T (28–29) _____ aquifer, formation, group E (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 420 ft 420 (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: * 600 - 1860

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

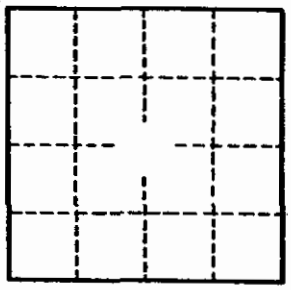
Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: ✓ _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: ✓ _____ gpd/ft^2; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ (79)

* Screen

600-640	40
660-680	20
720-770	50
835-860	25
900-1000	100
1020-1080	60
1250-1300	50
1345-1360	15
1710-1730	20
1790-1810	30
1840-1860	20



Drill stem test from;

955-1007' - Cl - 36 ppm
2541-2586' - Cl - 1340 ppm
2323-2380' - Cl - 148 ppm

Csg.

24" 0-575'
12" 468-1880

Well No. LJ-65-13-601

GPO 857-700

(11-74)

Water Resources Division
Austin, Texas

020968

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 49 31	095 24 08	01

County code 201 County HARRIS

Well # LJ-65-13-601

Project number 7-4648-01000

Date 2-9-77 Time ____ Temp°C 25.0

Owner City of Houston

Address Heights #10

Date drld 1949 WBF code 121EVGL

Sample interval: (top) 600 (bottom) 1860

Water level ____ Appr Clear Use PS

Collector Butler Yield ____ GPM

Smpld aftr pmpg ____ Depth 1880

Pt of coll Tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule ____

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 29493109524080 1 (2–16)

Y M D (17–22, Begin) ____

Time of measurement (29–32) ____

	Parameter code	Value	Exp.	Rmk
Depth	72008	1880	04	
Yield (GPM)	00059			
Sample interval TOP	72015	6000	03	
Sample interval BOTTOM	72016	1860	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2500	02		25.0
pH	00400	8300	01		8.3
Specific conductance	00095	5100	03		510
HCO_3	00440	2270	03		227
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4700	02		47
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

TX-734
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017557

Latitude ° ' "	Longitude ° ' "	Seq. No.
94931	095240801	

County code 201 County Harris

Well # LJ-65-13-601

Project number 4648-01000

Date 2-4-76 Time — Temp °C 25.5

Owner City of Houston

Address Heights #10

Date drld — WBF code 121 EVG-L

Sample interval: (top) 600 (bottom) 1860

Water level — Appr clear Use PS

Collector Naftel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll Tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

utrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks: —

Type 2 (1) Station identification number 294931095240801 (2–16)

Y M D 76 02 04 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6000	03	
Sample interval BOTTOM	72016	1860	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2550	02		25.5
pH	00400	8000	01		8.0
Specific conductance	00095	5140	03		514
HCO_3	00440	2260	03		226
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4500	down 02		45
Sulfate (SO_4)	00945	1500	02		15
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 49 31	095 24 08	01

County code 201 ~~LJ~~ County Harris

Well # LJ-65-13-601

Project number 5-4648-01000

Date 2-3-75 Time ____ Temp°C 24.5

Owner City of Houston

Address Heights #10

Date drld 5-19-49 WBF code 121EVCL

Sample interval: (top) 600 (bottom) 1860

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arr. Depth 1880

Pt of coll tap on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I+SO4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 29 49 31 095 24 08 01 (2–16)

Y M D: 75 02 03 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1880	04	
Yield (GPM)	00059			
Sample interval TOP	72015	6000	03	
Sample interval BOTTOM	72016	1860	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2450	02		24.
pH	00400	7600	01		7.6
Specific conductance	00095	5040	03		504
HCO_3	00440	2110	03		211
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4700	02		UP 3 47
Sulfate (SO_4)	00945	1300	02		13
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

(11-74)

Water Resources Division
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 49 31	095 24 08	01

County code 101 County Harris

Well # LJ-65-13-601

Project number T-4648-01000

Date 9-17-76 Time 1145 Temp°C ?

Owner City of Houston

Address Heights #10

Date drld — WBF code 121 Eval

Sample interval: (top) 600 (bottom) 1860

Water level — Appr Clear Use PS

Collector Bryant Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 29493109524 08 (2–16)

Y M D 76 09 17 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6000	03	
Sample interval BOTTOM	72016	1860	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010				
pH	00400	7700	01		7.7
Specific conductance	00095	5230	03		523
HCO_3	00440	2290	03		229
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4700	02		47
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-601

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513601
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.825555
Latitude (degrees minutes seconds)	29° 49' 32" N
Longitude (decimal degrees)	-95.402501
Longitude (degrees minutes seconds)	095° 24' 09" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	73
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1880
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	5/19/1949
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #10
Driller	Texas Water Wells
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/15/1968
Last Update Date	7/12/2010

Remarks	Reported yield 2513 GPM with 56 feet drawdown after 96 hours in 1949. Specific capacity 44.8 GPM/- ft. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	575
12	Blank	Steel			468	600
12	Screen	Steel			600	640
12	Blank	Steel			640	660
12	Screen	Steel			660	680
12	Blank	Steel			680	720
12	Screen	Steel			720	770
12	Blank	Steel			770	835
12	Screen	Steel			835	860
12	Blank	Steel			860	900
12	Screen	Steel			900	1000
12	Blank	Steel			1000	1020
12	Screen	Steel			1020	1080
12	Blank	Steel			1080	1250
12	Screen	Steel			1250	1300
12	Blank	Steel			1300	1345
12	Screen	Steel			1345	1360
12	Blank	Steel			1360	1710
12	Screen	Steel			1710	1730
12	Blank	Steel			1730	1790
12	Screen	Steel			1790	1810
12	Blank	Steel			1810	1840
12	Screen	Steel			1840	1860
12	Blank	Steel			1860	1880

Well Tests - No Data

Lithology - No Data

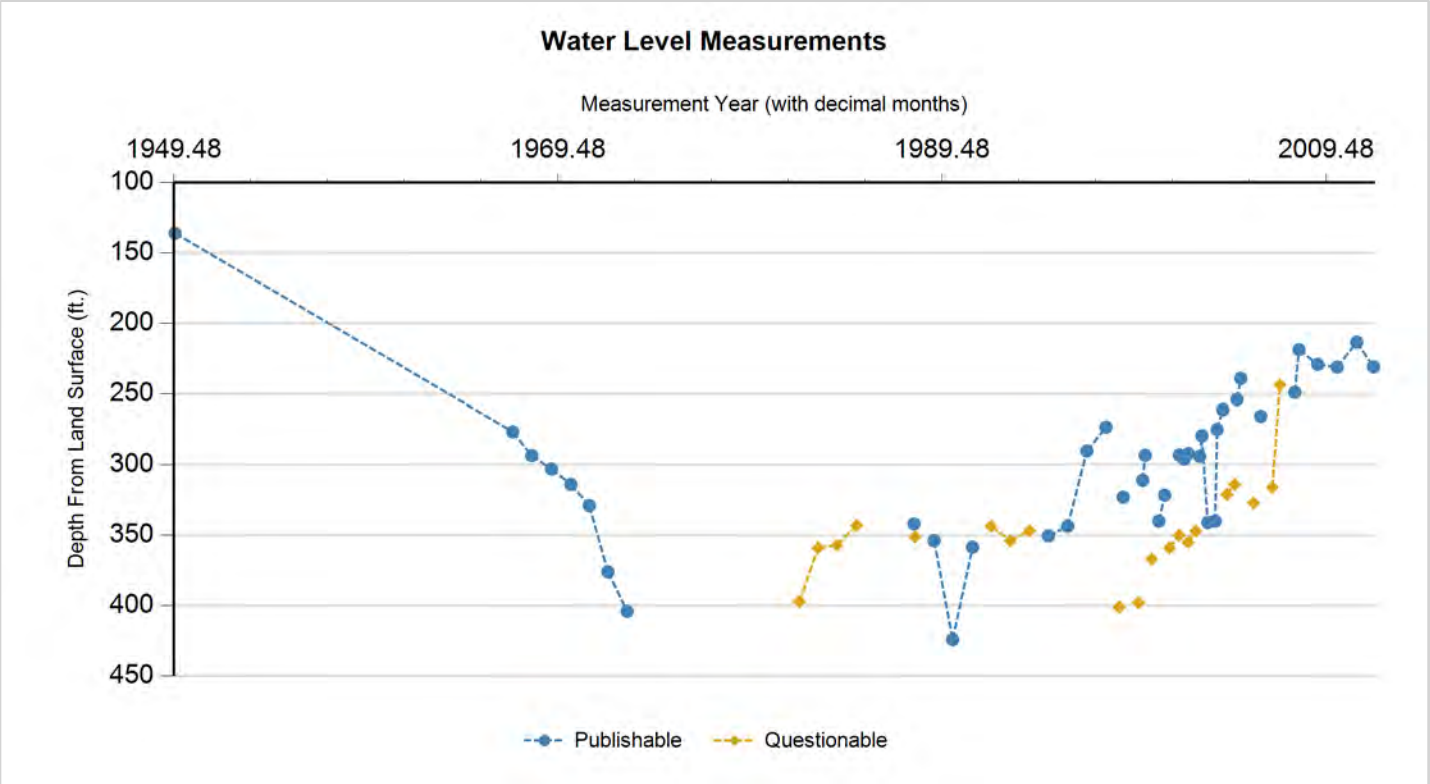
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/19/1949		136.1		-63.1	1	Texas Water Development Board	Steel Tape		
P	2/16/1967		276.68	140.58	-203.68	1	U.S. Geological Survey	Steel Tape		
P	2/12/1968		293.46	16.78	-220.46	1	U.S. Geological Survey	Steel Tape		
P	2/24/1969		303.01	9.55	-230.01	1	U.S. Geological Survey	Steel Tape		
P	2/27/1970		314	10.99	-241	1	U.S. Geological Survey	Air Line		
P	2/11/1971		329	15.00	-256	1	Texas Water Development Board	Steel Tape		
P	1/31/1972		376	47.00	-303	1	U.S. Geological Survey	Air Line		
P	2/1/1973		404	28.00	-331	1	U.S. Geological Survey	Air Line		
Q	1/19/1982		397	(7.00)	-324	1	U.S. Geological Survey	Air Line	4	
Q	1/10/1983		359	(38.00)	-286	1	U.S. Geological Survey	Air Line	4	
Q	1/4/1984		357	(2.00)	-284	1	U.S. Geological Survey	Air Line	4	
Q	1/11/1985		343	(14.00)	-270	1	U.S. Geological Survey	Steel Tape	4	
P	1/7/1988		342	(1.00)	-269	1	U.S. Geological Survey	Unknown		
Q	1/29/1988		351.26	9.26	-278.26	1	U.S. Geological Survey	Unknown	4	
P	1/24/1989		353.86	2.60	-280.86	1	U.S. Geological Survey	Unknown		
P	1/11/1990		424	70.14	-351	1	U.S. Geological Survey	Air Line		
P	1/25/1991		358.43	(65.57)	-285.43	1	U.S. Geological Survey	Steel Tape		
Q	1/14/1992		343.72	(14.71)	-270.72	1	U.S. Geological Survey	Steel Tape	4	
Q	1/11/1993		353.94	10.22	-280.94	1	U.S. Geological Survey	Steel Tape	4	
Q	1/12/1994		346.7	(7.24)	-273.7	1	U.S. Geological Survey	Steel Tape	4	
P	1/7/1995		350.47	3.77	-277.47	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/8/1996		343.5	(6.97)	-270.5	1	U.S. Geological Survey	Steel Tape		
P	1/6/1997		290.27	(53.23)	-217.27	1	U.S. Geological Survey	Steel Tape		
P	1/5/1998		273.36	(16.91)	-200.36	1	U.S. Geological Survey	Steel Tape		
Q	9/16/1998		401	127.64	-328	1	U.S. Geological Survey	Air Line	2	
P	12/2/1998		323	(78.00)	-250	1	U.S. Geological Survey	Air Line		
Q	9/15/1999		398	75.00	-325	1	U.S. Geological Survey	Air Line	2	
P	12/7/1999		311	(87.00)	-238	1	U.S. Geological Survey	Air Line		
P	1/18/2000		293.23	(17.77)	-220.23	1	U.S. Geological Survey	Steel Tape		
P	1/18/2000		293	(0.23)	-220	2	U.S. Geological Survey	Air Line		
Q	5/24/2000		367	74.00	-294	1	U.S. Geological Survey	Air Line	2	
P	10/10/2000		340	(27.00)	-267	1	U.S. Geological Survey	Air Line		
P	1/26/2001		321.6	(18.40)	-248.6	1	U.S. Geological Survey	Steel Tape		
Q	4/25/2001		359	37.40	-286	1	U.S. Geological Survey	Air Line	2	
P	11/1/2001		293	(66.00)	-220	1	U.S. Geological Survey	Air Line		
Q	11/1/2001		350	57.00	-277	2	U.S. Geological Survey	Air Line	2	
P	1/29/2002		295.96	(54.04)	-222.96	1	U.S. Geological Survey	Steel Tape		
P	4/17/2002		292	(3.96)	-219	1	U.S. Geological Survey	Air Line		
Q	4/17/2002		355	63.00	-282	2	U.S. Geological Survey	Air Line	2	
Q	9/11/2002		347	(8.00)	-274	1	U.S. Geological Survey	Air Line	2	
P	11/27/2002		294	(53.00)	-221	1	U.S. Geological Survey	Steel Tape		
P	1/2/2003		279.49	(14.51)	-206.49	1	U.S. Geological Survey	Steel Tape		
P	4/23/2003		341	61.51	-268	1	U.S. Geological Survey	Steel Tape		
P	9/15/2003		340	(1.00)	-267	1	U.S. Geological Survey	Steel Tape		
P	10/21/2003		275	(65.00)	-202	1	U.S. Geological Survey	Steel Tape		
P	2/6/2004		261	(14.00)	-188	1	U.S. Geological Survey	Steel Tape		
Q	4/21/2004		321	60.00	-248	1	U.S. Geological Survey	Steel Tape	2	
Q	9/21/2004		314	(7.00)	-241	1	U.S. Geological Survey	Steel Tape	2	
P	11/4/2004		254	(60.00)	-181	1	U.S. Geological Survey	Air Line		
P	1/11/2005		239.07	(14.93)	-166.07	1	U.S. Geological Survey	Steel Tape		
Q	9/16/2005		327	87.93	-254	1	U.S. Geological Survey	Air Line	2	
P	1/26/2006		265.73	(61.27)	-192.73	1	U.S. Geological Survey	Steel Tape		
Q	9/6/2006		316	50.27	-243	1	U.S. Geological Survey	Air Line	2	
Q	1/24/2007		243.73	(72.27)	-170.73	1	U.S. Geological Survey	Steel Tape	4	
P	11/8/2007		249	5.27	-176	1	U.S. Geological Survey	Air Line		
P	1/22/2008		218.75	(30.25)	-145.75	1	U.S. Geological Survey	Steel Tape		
P	1/13/2009		229.23	10.48	-156.23	1	U.S. Geological Survey	Steel Tape		
P	1/15/2010		231.17	1.94	-158.17	1	U.S. Geological Survey	Steel Tape		
P	1/26/2011		213.4	(17.77)	-140.4	1	U.S. Geological Survey	Steel Tape		
P	12/13/2011		230.92	17.52	-157.92	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 5/27/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		61	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		600	ug/L	
00910	CALCIUM (MG/L)		3	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		11	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		4.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.76		
00955	SILICA, DISSOLVED (MG/L AS SI02)		31	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.15		
00932	SODIUM, CALCULATED, PERCENT		87	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		307	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		36	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		197	mg/L	

Water Quality Analysis

Sample Date: 6/3/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		208	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		2100	ug/L	
00910	CALCIUM (MG/L)		4	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		1340	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.2	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		6.5	mg/L	
00400	PH (STANDARD UNITS), FIELD		9.1	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		5.6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.04		
00955	SILICA, DISSOLVED (MG/L AS SI02)		46	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		97.25		
00932	SODIUM, CALCULATED, PERCENT		98	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		954	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		4580	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		27	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		2488	mg/L	

Water Quality Analysis

Sample Date: 6/4/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		224	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		1400	ug/L	
00910	CALCIUM (MG/L)		9	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		148	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		3.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		9	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		9.3	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		4.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.48		
00955	SILICA, DISSOLVED (MG/L AS SI02)		71	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.81		
00932	SODIUM, CALCULATED, PERCENT		85	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		174	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		984	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		39	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		568	mg/L	

Water Quality Analysis

Sample Date: 7/23/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		289	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		500	ug/L	
00910	CALCIUM (MG/L)		28	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		57	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		103	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		8	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.68		
00955	SILICA, DISSOLVED (MG/L AS SI02)		22	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		4.38		
00932	SODIUM, CALCULATED, PERCENT		67	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		102	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		661	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		372	mg/L	

Water Quality Analysis

Sample Date: 2/9/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		231	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		96	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		531	MICR	

Water Quality Analysis

Sample Date: 2/23/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		238	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		104	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		510	MICR	

Water Quality Analysis

Sample Date: 3/4/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		522	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/29/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		486	MICR	

Water Quality Analysis

Sample Date: 3/12/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		172.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		210	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		133	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		461	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 3/10/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	

Water Quality Analysis

Sample Date: 2/26/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		142	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		481	MICR	

Water Quality Analysis

Sample Date: 3/1/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 3/9/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		134	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		487	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 3/7/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		129	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		487	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/18/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		216	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		116	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		454	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/28/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		132	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		507	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/9/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		136	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		502	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/17/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		183.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		224	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		142	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		496	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 2/16/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		519	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/10/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		514	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 1/28/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		533	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 1/30/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		532	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/21/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		515	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/3/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		172.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		211	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		504	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 2/4/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		514	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 7/17/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		187.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		229	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	

Water Quality Analysis

Sample Date: 2/9/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		227	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		510	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 1/5/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		188.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		230	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		514	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 3/12/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		513	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 3/9/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		510	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 8/20/1984 **Sample Time:** **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From USGS for NAWQA with "Clean Sample" technique

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01000	ARSENIC, DISSOLVED (UG/L AS AS)		1	ug/L	

Water Quality Analysis

Sample Date: 9/1/1993 **Sample Time:** 1530 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		504	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/20/1994 **Sample Time:** 1345 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		490	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 9/13/1995 **Sample Time:** 1340 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: U S G S Water-Data R. TX-95-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		498	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 9/16/1998 **Sample Time:** 1130 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water-Data Report TX-98-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		501	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-602

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by McAdoo Naftel & Gabrysch 1961 Source of data File Date 2-15-68 Map 1:24000 Houston Heights 1955

State Texas 48 County (or town) Harris LJ

Latitude: 29 49 13 N (deg, min, sec) Longitude: 095 24 18 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-13-602 Other number: # 9 (B & M)

Local use: Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Heights Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1949 Annual S Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 9-10-49 Ø Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-Log (0-2498) T-10 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1730 ft 1730 Meas. rep. Driller accuracy 3

Depth cased: (first perf.) 610 ft 610 Casing type: S ; Diam. 24-12 in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: 4-18-49 949 Pump intake setting: ft

Driller: Texas Water Wells Inc. (name) Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T Deep Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 200 W Trans. or meter no.

Descrip. MP Top of agitator Pipe + ? ft above below LSD. Alt. MP

Alt. LSD: 70 70 Accuracy: (source) Topo 5' 3

Water Level 137.97 ft above below MP; Ft above below LSD 138 Accuracy: Meas A

Date meas: 9-6-49 949 Yield: 2520 gpm 2520 Method determined 4

Drawdown: 56 ft 56 Accuracy: meas D Pumping period 76 hrs 96

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

P/L 174 135/56

Well No. LJ-65-13-602

Well No. 6J-65-13-602

Latitude-longitude 29 (d), 49 (m), 13 (s) (N) S 095 (d), 24 (m), 18 (s), 1

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain [0 3] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [5 1 R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 415 ft [4 1 5] (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: * 610 - 1710

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: ✓ _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

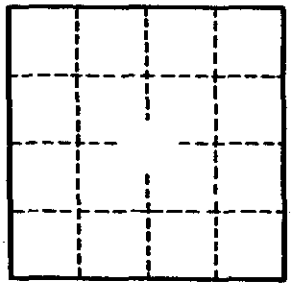
Coefficient Perm: ✓ _____ gpd/ft^2; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ (79)

* Screen

610 - 640	30
660 - 700	40
795 - 825	30
920 - 970	50
980 - 1050	70
1060 - 1075	15
1130 - 1150	20
1215 - 1235	20
1250 - 1280	30
1340 - 1355	15
1400 - 1425	25
1545 - 1590	45
1685 - 1710.	25

Csg.

24"	0 - 590
12"	488 - 1730



Drill Stem test

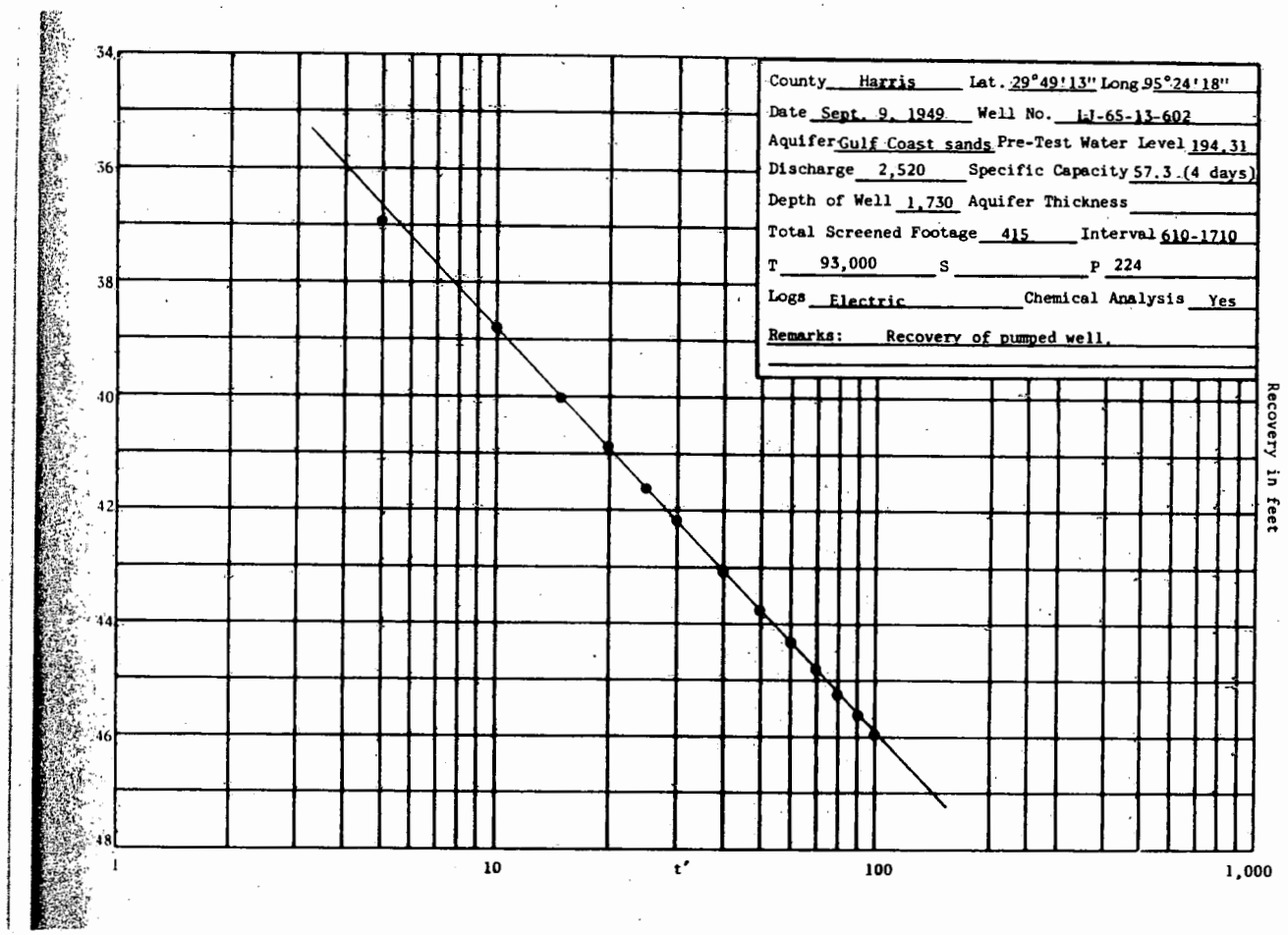
from:

2290 - 2320' - Cl - 191 ppm

1680 - 1720' - Cl - 120 ppm

Well No. 6J-65-13-602

GPO 857-700


34
36
38
40
42
44
46
48
1
10
t'
100
1,000
Recovery in feet
County Harris Lat. 29°49'13" Long 95°24'18"
Date Sept. 9, 1949 Well No. LJ-65-13-602
Aquifer Gulf Coast sands Pre-Test Water Level 194.31
Discharge 2,520 Specific Capacity 57.3 (4 days)
Depth of Well 1,730 Aquifer Thickness
Total Screened Footage 415 Interval 610-1710
T 93,000 S P 224
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-602

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513602
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.820555
Latitude (degrees minutes seconds)	29° 49' 14" N
Longitude (decimal degrees)	-95.405278
Longitude (degrees minutes seconds)	095° 24' 19" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	70
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1730
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	4/18/1949
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #9
Driller	Texas Water Wells
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/15/1968
Last Update Date	7/12/2010

Remarks	Reported yield 2520 GPM with 44 feet recovery in 1949. Specific capacity 57.3 GPM/ft. Aquifer test results in TWDB R-98. No test data in TWDB files. Historical observat- ion well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	590
12	Blank	Steel			488	610
12	Screen	Steel			610	640
12	Blank	Steel			640	660
12	Screen	Steel			660	700
12	Blank	Steel			700	795
12	Screen	Steel			795	825
12	Blank	Steel			825	920
12	Screen	Steel			920	970
12	Blank	Steel			970	980
12	Screen	Steel			980	1050
12	Blank	Steel			1050	1060
12	Screen	Steel			1060	1075
12	Blank	Steel			1075	1130
12	Screen	Steel			1130	1150
12	Blank	Steel			1150	1215
12	Screen	Steel			1215	1235
12	Blank	Steel			1235	1250
12	Screen	Steel			1250	1280
12	Blank	Steel			1280	1340
12	Screen	Steel			1340	1355
12	Blank	Steel			1355	1400
12	Screen	Steel			1400	1425
12	Blank	Steel			1425	1545
12	Screen	Steel			1545	1590
12	Blank	Steel			1590	1685
12	Screen	Steel			1685	1710
12	Blank	Steel			1710	1730

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

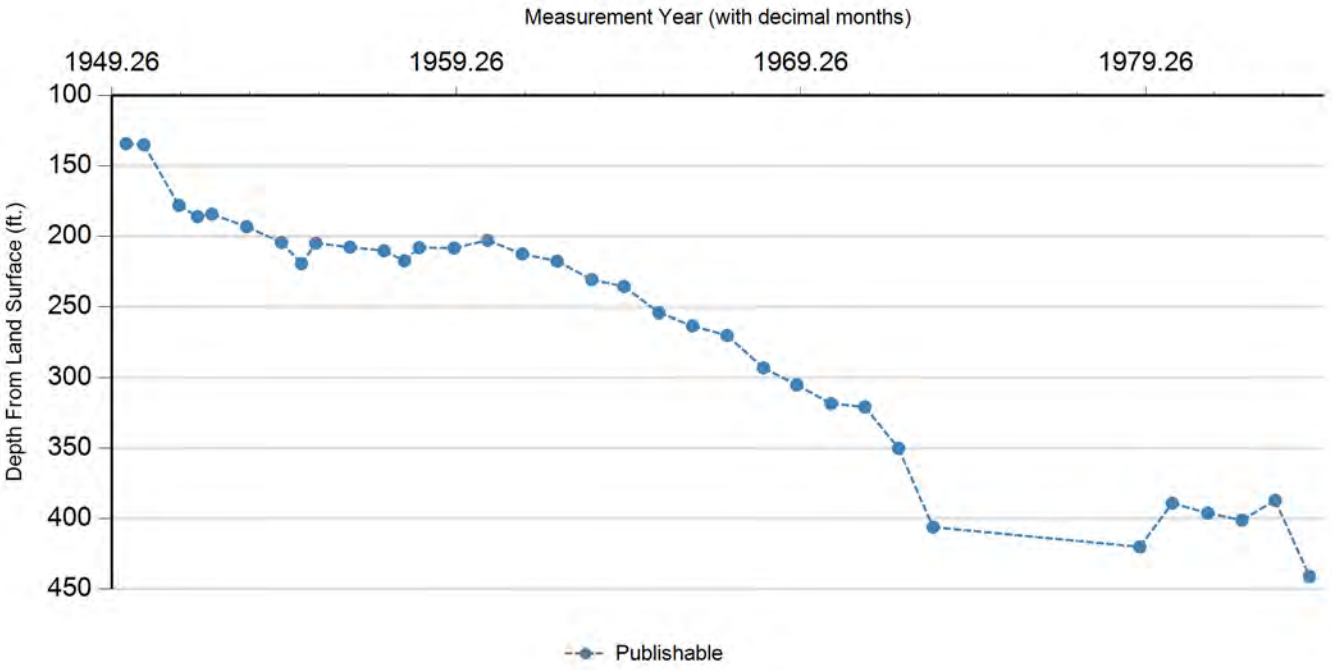
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-602

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/6/1949		134.3		-64.3	1	Registered Water Well Driller	Unknown		
P	3/8/1950		135.11	0.81	-65.11	1	U.S. Geological Survey	Steel Tape		
P	3/14/1951		178.1	42.99	-108.1	1	U.S. Geological Survey	Steel Tape		
P	10/2/1951		186.1	8.00	-116.1	1	U.S. Geological Survey	Steel Tape		
P	2/29/1952		184.29	(1.81)	-114.29	1	U.S. Geological Survey	Steel Tape		
P	3/2/1953		193.24	8.95	-123.24	1	U.S. Geological Survey	Steel Tape		
P	3/5/1954		204.43	11.19	-134.43	1	U.S. Geological Survey	Steel Tape		
P	10/7/1954		219.51	15.08	-149.51	1	U.S. Geological Survey	Steel Tape		
P	3/4/1955		204.93	(14.58)	-134.93	1	U.S. Geological Survey	Steel Tape		
P	3/1/1956		207.75	2.82	-137.75	1	U.S. Geological Survey	Steel Tape		
P	2/27/1957		210.29	2.54	-140.29	1	U.S. Geological Survey	Steel Tape		
P	10/2/1957		217.44	7.15	-147.44	1	U.S. Geological Survey	Steel Tape		
P	3/4/1958		208.08	(9.36)	-138.08	1	U.S. Geological Survey	Steel Tape		
P	3/9/1959		208.4	0.32	-138.4	1	U.S. Geological Survey	Steel Tape		
P	2/29/1960		202.88	(5.52)	-132.88	1	U.S. Geological Survey	Steel Tape		
P	3/1/1961		212.6	9.72	-142.6	1	U.S. Geological Survey	Steel Tape		
P	3/5/1962		217.66	5.06	-147.66	1	U.S. Geological Survey	Steel Tape		
P	3/7/1963		230.79	13.13	-160.79	1	U.S. Geological Survey	Steel Tape		
P	2/13/1964		235.66	4.87	-165.66	1	U.S. Geological Survey	Steel Tape		
P	2/18/1965		254.2	18.54	-184.2	1	U.S. Geological Survey	Steel Tape		
P	2/10/1966		263.25	9.05	-193.25	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/9/1967		269.93	6.68	-199.93	1	U.S. Geological Survey	Steel Tape		
P	3/1/1968		292.99	23.06	-222.99	1	U.S. Geological Survey	Steel Tape		
P	2/18/1969		305	12.01	-235	1	U.S. Geological Survey	Steel Tape		
P	2/17/1970		318.34	13.34	-248.34	1	U.S. Geological Survey	Steel Tape		
P	2/9/1971		320.64	2.30	-250.64	1	U.S. Geological Survey	Steel Tape		
P	1/31/1972		350	29.36	-280	1	U.S. Geological Survey	Air Line		
P	2/1/1973		406	56.00	-336	1	U.S. Geological Survey	Air Line		
P	2/2/1979		420	14.00	-350	1	U.S. Geological Survey	Air Line		
P	1/10/1980		389	(31.00)	-319	1	U.S. Geological Survey	Air Line		
P	1/21/1981		396	7.00	-326	1	U.S. Geological Survey	Air Line		
P	1/19/1982		401	5.00	-331	1	U.S. Geological Survey	Steel Tape		
P	1/5/1983		387	(14.00)	-317	1	U.S. Geological Survey	Air Line		
P	1/4/1984		441	54.00	-371	1	U.S. Geological Survey	Air Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 4/29/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		463	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		1900	ug/L	
00910	CALCIUM (MG/L)		2	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		191	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		3.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		9	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.9	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		7.4		
00955	SILICA, DISSOLVED (MG/L AS SI02)		30	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		43.39		
00932	SODIUM, CALCULATED, PERCENT		98	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		301	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1330	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		766	mg/L	

Water Quality Analysis

Sample Date: 4/30/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		78.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		96	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		1000	ug/L	
00910	CALCIUM (MG/L)		1	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		120	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		3.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		4	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.44		
00955	SILICA, DISSOLVED (MG/L AS SI02)		48	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		24.37		
00932	SODIUM, CALCULATED, PERCENT		96	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		144	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		763	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		63	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		431	mg/L	

Water Quality Analysis

Sample Date: 9/10/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		258.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		315	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		300	ug/L	
00910	CALCIUM (MG/L)		21	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		77	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		6	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		5.6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.62		
00955	SILICA, DISSOLVED (MG/L AS SI02)		21	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.19		
00932	SODIUM, CALCULATED, PERCENT		76	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		125	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		694	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		404	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-603

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513603
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.821389
Latitude (degrees minutes seconds)	29° 49' 17" N
Longitude (decimal degrees)	-95.376667
Longitude (degrees minutes seconds)	095° 22' 36" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	745
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Houston Textile Co
Driller	Layne TExas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	60 ft of screen between 580 and 742 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

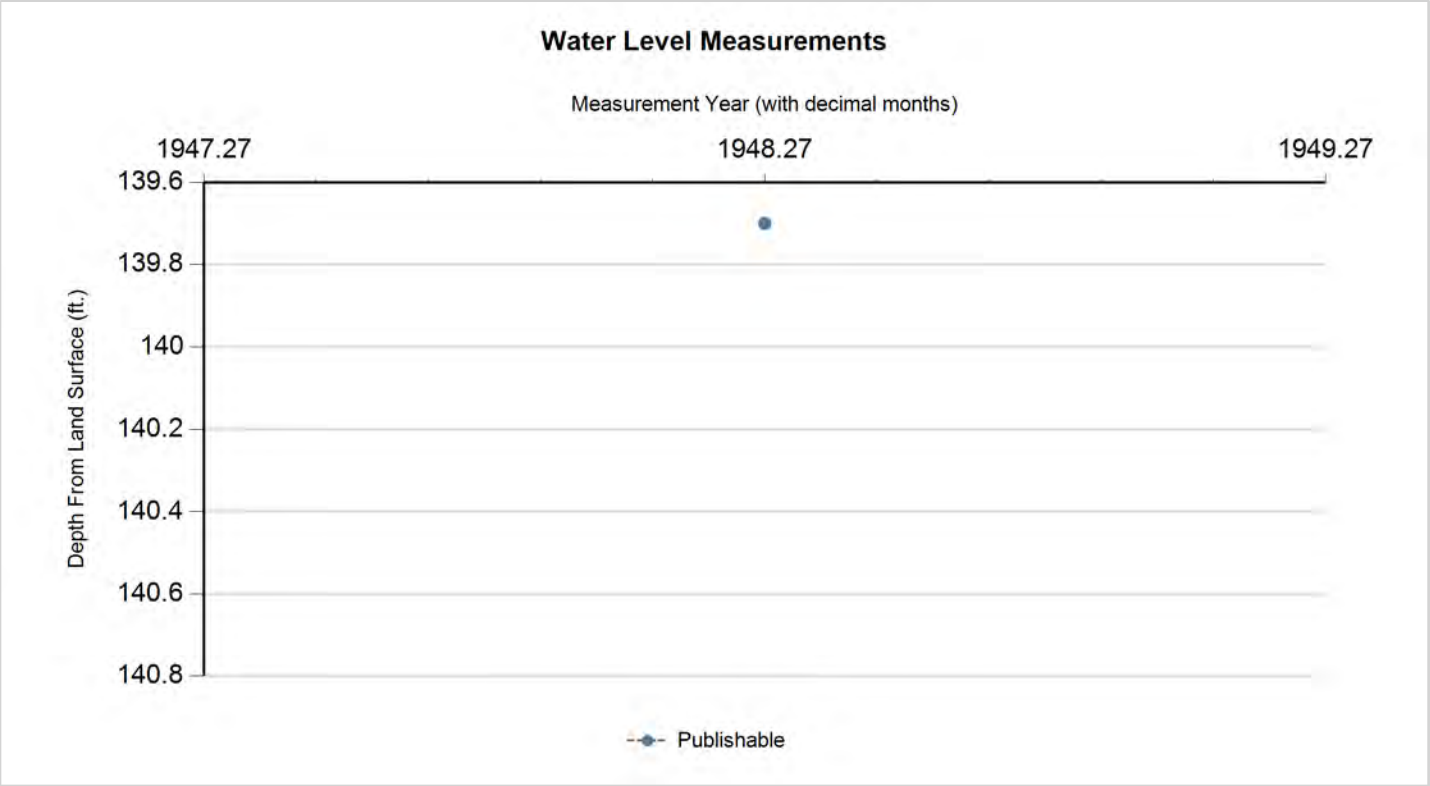
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/8/1948		139.7		-76.7	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 4/8/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		166.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		203	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		300	ug/L	
00910	CALCIUM (MG/L)		42	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		4800	ug/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.32		
00955	SILICA, DISSOLVED (MG/L AS SI02)		24	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.24		
00932	SODIUM, CALCULATED, PERCENT		32	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		35	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		457	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		270	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-603

Water Quality Analysis

Sample Date: 7/0/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		147	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00929	SODIUM, TOTAL (MG/L AS NA)		218	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		467	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-604

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION (D)

MASTER CARD

Record by Anderson-Gabrysch (McAdoo 1962) Source of data File Date 2-16-68 Map Houston Heights 1955 1:24000

State Texas [48] County (or town) Harris [LJ]

Latitude: [29 deg 48 min 16 sec N] Longitude: [095 deg 24 min 25 sec W] Sequential number: [1]

Lat-long accuracy: [1] T. ____ S, R ____ W, Sec ____, ____ k, ____ k, ____ k ____ B & M

Local well number: LJ-65-13-604 Other number: #16

Local use: ____ Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Heights Plant Nicholson + 21st St.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Gorp or Co, (P) Private, (S) State Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [P]

Use of well: (A) Anode, (D) Drain, (C) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: Annual 1962 [S] Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: [ ]

Freq. sampling: 6-16-62 [A] Pumpage inventory: yes no, period: [ ]

Aperture cards: yes [ ]

Log data: E-Log (T-14) [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1890 ft [1890] Meas. (Rep) Driller accuracy [3]

Depth cased: (first perf.) 610 ft [610] Casing type: S ; Diam. 24-12 in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Q) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: 4-10-62 [962] Pump intake setting: ____ ft

Driller: Texas Water Wells (name) Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [S] Deep Shallow [D]

Power (type): diesel, elec, nat gas, LP gas, gasoline, hand, gas, wind; H.P. 300 [X] Trans. or meter no. ____

Descrip. MP Agitator Pipe +10.0 ft above below LSD. Alt. MP ____

Alt. LSD: 68 [68] Accuracy: (source) Topo 5' [3]

Water Level 272.70 ft above below MP; Ft above below LSD [263] Accuracy: Meas [A]

Date meas: 6-16-62 [662] Yield: 2565 gpm [2565] Method determined [4]

Drawdown: 41 ft [41] Accuracy: Meas [0] Pumping period 48 hrs [48]

QUALITY OF WATER DATA: Iron ppm [ ] Sulfate ppm [ ] Chloride ppm [ ] Hard. ppm [ ]

Sp. Conduct ____ K x 10^5 [ ] Temp. °F [ ] Date sampled [ ]

Taste, color, etc. ____

P/L -LSD
313.76
272.70
41.06

Well No. LJ-65-13-604

Well No. LJ-65-13-604

Latitude-longitude 29 (d), 48 (m), 16 (s) N 095 (d), 24 (m), 25 (s), 1

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain 03 (20–21) Section: _____

F (22) Drainage Basin: _____ 51R (23–25) Subbasin: _____ (24)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series T (28–29) _____ aquifer, formation, group E (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 430 ft 430 (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: * 610 - 1860

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

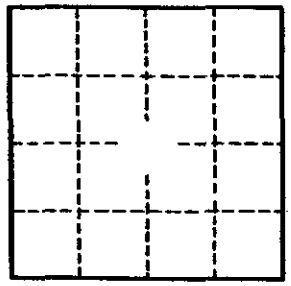
Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: — gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: — gpd/ft^2; Spec cap: — gpm/ft; Number of geologic cards: _____ (79)

* Screen

610-640	1180-1230
670-695	1285-1305
750-760	1335-1355
780-810	1415-1435
815-830	1615-1635
875-895	1655-1665
975-1010	1685-1695
1020-1040	1775-1790
1060-1080	1800-1815
1090-1100	1845-1860.
1135-1155	



csg. record.
24" 0-590
12" 500-1890

Well No. LJ-65-13-604

GPO 857-700

Water Resources Division
Austin, Texas

020969

Latitude ° ' " 29 48 16 | Longitude ° ' " 095 24 25 | Seq. No. 01

County code 201 County HARRIS

Well # LJ-65-13-604

Project number 7-4648-01000

Date 2-8-77 Time — Temp°C 28.0

Owner City of Houston

Address Heights #16

Date drld — WBF code 121 Evgl

Sample interval: (top) 610 (bottom) 1860

Water level — Appr CLEAR Use PS

Collector PETERS (SUTTER) Yield ____ GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 | Station identification number 29481609524250 1

Y M D (17 Begin 22) | Time of measurement (29 32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6100	03	
Sample interval BOTTOM	72016	1860	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/1)	00300				
DO % Sat.	00301				
Temp °C	00010	2800	02		28.
pH	00400	7900	01		7.9
Specific conductance	00095	7020	03		70
HCO_3	00440	3240	03		32
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6200	02		62
Sulfate (SO_4)	00945	6400	01		6.4
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

TX-73Q
(11-74)

A30

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017558

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 48 16	095 24 25	01

County code 201 County Harris

Well # LJ-65-13-604

Project number 4648-01000

Date 2-13-76 Time ____ Temp°C 26.5

Owner City of Houston

Address Heights #16

Date drld ____ WBF code 121 EVGL

Sample interval: (top) 610 (bottom) 1860

Water level — Appr clear Use PS

Collector Naftel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 29481609524250 1 (2–16)

Y M D 76 02 13 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6100	03	
Sample interval BOTTOM	72016	1860	04	

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2650	02		26.5
pH	00400	7800	01		7.8
Specific conductance	00095	5360	03		536
HCO_3	00440	2540	03		254
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3700	02		37
Sulfate (SO_4)	00945	1400	02		14
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Streptococci	31679				
BOD	00310				

Water Resources Division
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 48 16	095 24 25	01

County code 201 ~~LJ~~ County Harris

Well # LJ-65-13-604

Project number 5-4648-01000

Date 2-3-75 Time ____ Temp°C 27.5

Owner City of Houston

Address Heights # 16

Date drld 4-10-62 WBF code 121EVGL

Sample interval: (top) 610 (bottom) 1860

Water level ____ Appr ____ Use PS

Collector Naftel Yield PS GPM

Smpld aftr pmpg on arr Depth 1890

Pt of coll tap on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO_4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1)

Station identification number 29481609524250 1 (2–16)

Y M D 75 02 03 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1890	04	
Yield (GPM)	00059			
Sample interval TOP	72015	610	03	
Sample interval BOTTOM	72016	1860	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		27.5
pH	00400	8000	01		8.0
Specific conductance	00095	6810	03		68
HCO_3	00440	3140	03		314
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6000	02	same	60
Sulfate (SO_4)	00945	8000	01		8.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Water Resources Division
Austin, Texas

010000

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 48 16	095 24 25	01

County code 101 County Harris

Well # LJ-65-13-604

Project number T-4648-01000

Date 9-17-76 Time 1000 Temp°C ?

Owner City of Houston

Address Heights #16

Date drld — WBF code 121 Evgl

Sample interval: (top) 610 (bottom) 1860

Water level — Appr Clear Use PS

Collector Bezant Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll Tap on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 29481609524250 1 (2–16)

Y M D 76 09 17 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6100	03	
Sample interval BOTTOM	72016	1860	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010				
pH	00400	7900	01		7.9
Specific conductance	00095	6950	03		675
HCO_3	00440	3200	03		32
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6300	02		63
Sulfate (SO_4)	00945	7600	01		7.6
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Scotter

File original copy with Texas Water Commission P. O. Box 2311, Capitol Station Austin 11, Texas	State of Texas **DRILLERS LOG AND WELL DATA REPORT**	For use by TWC only Well No. 65-13-60 Located on map yes By [illegible] Date 63 Map no. 102(2)

1) Well Owner: City of Houston (Name) Houston, Texas (City, State)

2) Land Owner: (Name) (Street or RFD) (City) (State)

3) Intended use: Industrial ☐ ;Municipal ☒ ;Irrigation ☐ ;Other

4) Location of well: County Harris Labor ____ League ____ Abstract No. ____

NW¼ NE¼ SW¼ SE¼ of Section ____ Block No. ____ Survey ____
(Circle as many as are known)

____ miles in ____ direction
NE, SW, etc.

from ____
Town

Heights Water Well No. 18

OK

Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.

DRILLERS LOG OF WELL

Method of drilling: Rotary Diameter of hole 9-7/8 in. Date drilled April- 1962

All measurements made from ____ ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
		Attached			
					(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION

Straight well ☐
Under reamed ☒
Gravel packed ☒
Open hole ☐
Other ____

CASING

Type: Old ☐ New ☒
Cemented from 0 ft.
to 590 ft.

Diameter (inches)	Setting from (ft)	Setting to (ft)
24"	0	590

SCREEN

Type Stainless Steel Wire Wrapped
Perforated ☐ Slotted ☐

Diameter (inches)	Setting from (ft)	Setting to (ft)
	Attached	

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

____ (Signature) Texas Water Wells, Inc. (Company Name) Reg. No. 166

Please attach electric log, chemical analysis, and other pertinent information if available.

If well was tested by your company or if you installed the permanent pump please complete the following:

WATER LEVEL AND PUMP DATA

Static water level ____
ft. below ____

Pumping level feet	hours	gpm
	...ched	

Pump type Not Furnished By Us.
Designed pumping rate ____ gpm ☐ gph ☐
Type power unit ____
Horsepower ____
Depth to bowls, cylinder, jet, etc., ____ ft. below pump base.

...ing well or installing permanent pump if other than your company: ____

65 13 60

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

TRU-GRAVEL-WALL WELLS

961 MC CARTY DRIVE, HOUSTON 20, TEXAS, PHONE OR-3-7801

CITY OF HOUSTON
Heights Water Well #16

April 1962

DRILLER'S LOG

FROM	TO	FORMATION
0	0	Rotary to Level
5	15	Clay
15	25	Shale
25	70	Sand
70	130	Red Clay
130	225	Sand & Clay
225	330	Sand & Shale
330	441	Sandy Shale
441	461	Sand
461	530	Sandy Shale
535	570	Shale
570	590	Sand
590	610	Shale
610	660	Sand
660	670	Shale
670	715	Sand
715	780	Sandy Shale
780	840	Sand
840	875	Shale
875	915	Sand
915	975	Shale
975	1040	Sand
1040	1060	Shale
1060	1160	Sand
1160	1175	Shale
1175	1240	Sand
1240	1290	Shale
1290	1310	Sand
1310	1340	Shale
1340	1360	Sand

ATTACH:
7 pages
WWH 65-13-6W

65-13-604

MEMBER TEXAS WATER WELL DRILLING CONTRACTORS ASSOCIATION

City of Houston
Heights #16

April 1958

Driller's Log - Continued

FROM	TO	FORMATION
1360	1415	Shale
1415	1440	Sand
1440	1480	Shale, Sandy
1480	1510	Shale
1510	1560	Sand
1560	1740	Sandy Shale
1740	1780	[illegible]
1780	1850	[illegible]
1850	1911	[illegible]
1911	1951	[illegible]
1951	2170	[illegible]
2170	2190	[illegible]
2190	2240	[illegible]
2240	2311	Sandy Shale
2311	2330	Sand
2330	2337	Shale

65-13-5-13-6a
65-13-5-604

TEXAS WATER COMMISSION

COMMISSIONERS

JOE D. CARTER, CHAIRMAN
O. F. DENT
H. A. BECKWITH

813 STATE OFFICE BUILDING
201 EAST 14TH STREET
AREA CODE 512
GREENWOOD 6-6791

P. O. BOX 2311
CAPITOL STATION
AUSTIN 11, TEXAS

JOHN J. VANDERTULIP
CHIEF ENGINEER

C. R. BASKIN
ASS'T. CHIEF ENGINEER

ELBERT HOOPER
CHIEF EXAMINER

BEN F. LOONEY, JR.
SECRETARY

November 13, 1962

Mr. L. M. Fawcett, Secretary
Texas Water Wells, Inc.
951 McCarty Drive
Houston 29, Texas

Dear Sir:

This is to acknowledge receipt on November 8, 1962 of the Drillers Log and Well Data Report sent in by your company for a well drilled in Harris County for City of Houston, Heights Water Well No. 16, on April-1962.

When your logs are received at this office they are located and plotted on county highway maps, this is our reason for requesting accurate location information and a sketch giving distance and direction of the well from permanent land marks.

Our ability to plot these wells with relative accuracy greatly increase their value to us in our work.

We would appreciate receiving this information on the above named well at your earliest convenience.

Please utilize the back of this letter for the requested information.

Yours truly,

James R. Wall

James R. Wall,
Geologic Aide

JRW:jlt

RECEIVED
DEC 13 1962
TEXAS WATER COMMISSION
AUSTIN, TEXAS

RECEIVED NOV 15 1962

65-13-6a
65-13-604

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

951 MC CARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7581

April - 1962

City of Houston
Houston, Texas

Water Well No. Heights 16

SETTING DATA

SURFACE CASING:

SET AND CEMENTED IN PLACE: 500' of 24" O. D., .375"W. T. P. E. Casing.

SCREEN AND BLANK LINER:

FROM	TO	DESCRIPTION
500'	610'	12-3/4" Blank Liner
610'	640'	12-3/4" S. S. Screen
640'	670'	12-3/4" Blank Liner
670'	695'	12-3/4" S. S. Screen
695'	750'	12-3/4" Blank Liner
750'	780'	12-3/4" S. S. Screen
780'	790'	12-3/4" Blank Liner
790'	810'	12-3/4" S. S. Screen
810'	815'	12-3/4" Blank Liner
815'	830'	12-3/4" S. S. Screen
830'	870'	12-3/4" Blank Liner
870'	895'	12-3/4" S. S. Screen
895'	970'	12-3/4" Blank Liner
970'	1010'	12-3/4" S. S. Screen
1010'	1030'	12-3/4" Blank Liner
1030'	1040'	12-3/4" S. S. Screen
1040'	1060'	12-3/4" Blank Liner
1060'	1080'	12-3/4" S. S. Screen
1080'	1090'	12-3/4" Blank Liner
1090'	1100'	12-3/4" S. S. Screen
1100'	1125'	12-3/4" Blank Liner
1125'	1155'	12-3/4" S. S. Screen

65-13-6a
65-13-604

City of Houston
Houston, Texas

Water Well No. Heights 16

SETTING DATA (con't)

FROM	TO	DESCRIPTION
1155'	1180'	12-3/4" Blank Liner
1180'	1230'	12-3/4" S. S. Screen
1230'	1285'	12-3/4" Blank Liner
1285'	1305'	12-3/4" S. S. Screen
1305'	1335'	12-3/4" Blank Liner
1335'	1355'	12-3/4" S. S. Screen
1355'	1415'	12-3/4" Blank Liner
1415'	1435'	12-3/4" S. S. Screen
1435'	1615'	12-3/4" Blank Liner
1615'	1635'	12-3/4" S. S. Screen
1635'	1655'	12-3/4" Blank Liner
1655'	1665'	12-3/4" S. S. Screen
1665'	1685'	12-3/4" Blank Liner
1685'	1695'	12-3/4" S. S. Screen
1695'	1775'	12-3/4" Blank Liner
1775'	1790'	12-3/4" S. S. Screen
1790'	1805'	12-3/4" Blank Liner
1805'	1815'	12-3/4" S. S. Screen
1815'	1845'	12-3/4" Blank Liner
1845'	1860'	12-3/4" S. S. Screen
1860'	1880'	12-3/4" Blank Liner with back pressure valve and wood wash plug.

65-13-6a

65-13-60+

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

TRU-GRAVEL-WALL WELLS

951 MCCARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7561

July 18, 1962

City of Houston
Heights #18
Houston, Texas

Date Started June 14, 1962
Orifice 12 x 18
Water Level 287'
Airline 287'

PUMPING TEST

TIME	HEAD IN INCHES	PUMPING LEVEL	GPM
1:00 pm started test			
2:00	23	304	2360
3:00	23.5	304	2382
4:00	23	302	2360
5:00	25	312	2461
6:00	25	312	2461
7:00	25	312	2461
8:00	25	312	2461
9:00	24	310	2460
10:00	24	310	2460
11: 00	24	312	2460
12:00	25	312	2461
1:00 Am	26	312	2513
2:00	26	312	2513
3:00	26	310	2513
4:00	26	317	2513
5:00	26	317	2513
6:00	25	317	2461
7:00	26	319	2513
8:00	26	320	2513
9:00	26	320	2513
10:00	25 1/2	319	2487
11:00	25	318	2461
12:00	25	311	2461
1:00 pm	25	311	2461
2:00	24 1/2	315	2435
3:00	24	314	2409
4:00	23.5	312	2382
5:00	24.5	315	2435
6:00	24.5	315	2435
7:00	24.5	315	2435
8:00	24	315	2409

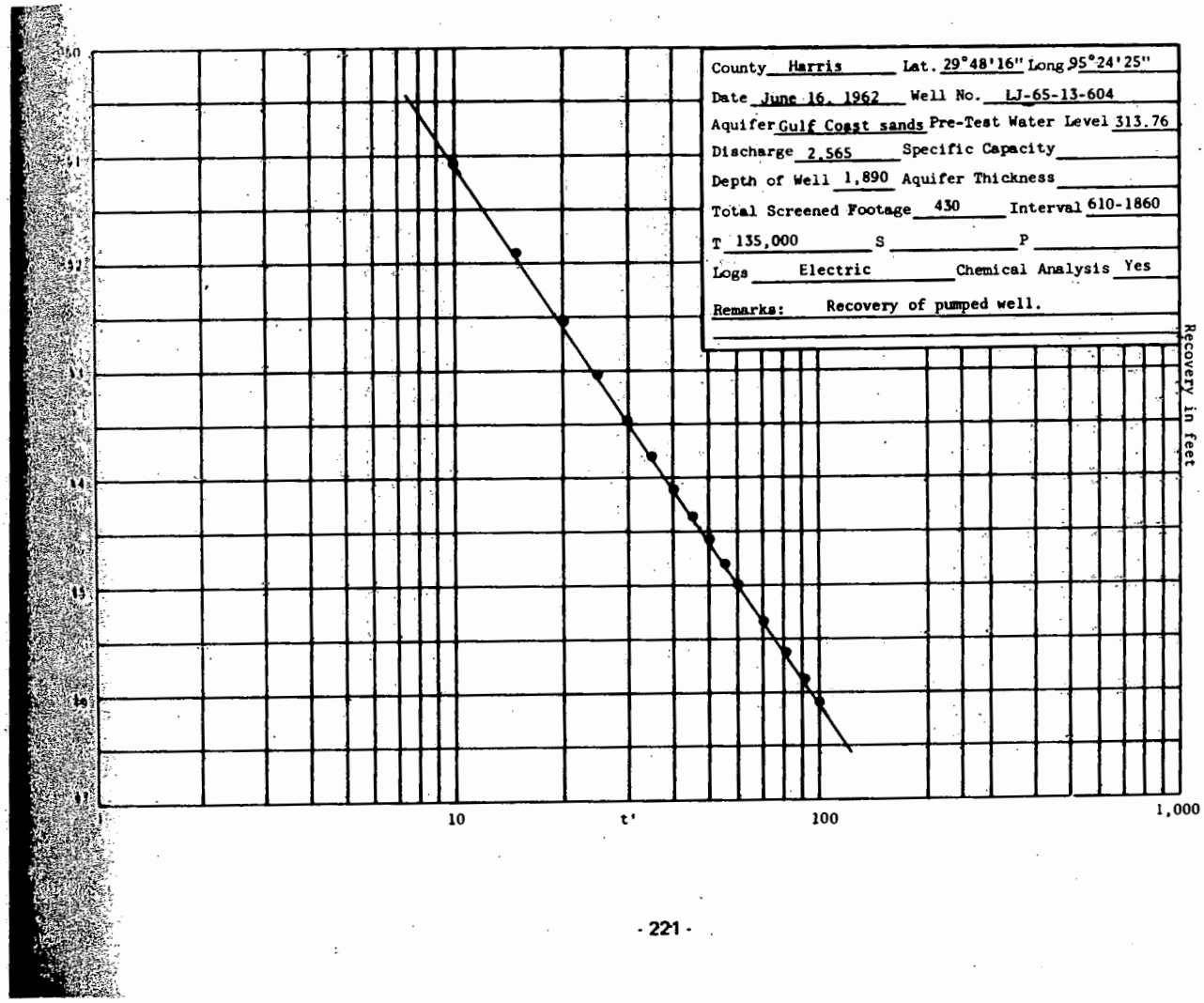
65-13-6a

65-13-607

9:00	24	314	2409
10:00	24	314	2409
11:00	24	314	2409
12:00	24	314	2409
6-16-62			
1:00am	25	317	2461
2:00	25	317	2461
3:00	26	320	2513
4:00	26.5	320	2539
5:00	27	319	2565
6:00	27	319	2565
7:00	26	319	2513
8:00	25	318	2461
9:00	26	319	2513
10:00	26	319	2513
11:00	25	318	2461
12:00	27	320	2565
1:00pm	27	320	2565

RECOVERY	WATER LEVEL
1:05	275.18
1:10	272.70
1:15	271.06
1:20	271.23
1:25	270.74
1:30	270.33
1:35	269.98
1:40	269.68
1:45	269.42
1:50	269.19
1:55	268.98
2:00	268.79
2:10	268.46
2:20	268.15
2:30	267.89
2:40	267.66

65-13-6a
65-13-6c


County Harris Lat. 29°48'16" Long 95°24'25"
Date June 16, 1962 Well No. LJ-65-13-604
Aquifer Gulf Coast sands Pre-Test Water Level 313.76
Discharge 2,565 Specific Capacity
Depth of Well 1,890 Aquifer Thickness
Total Screened Footage 430 Interval 610-1860
T 135,000 S P
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
10
t'
100
1,000
Recovery in feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-604

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513604
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.804723
Latitude (degrees minutes seconds)	29° 48' 17" N
Longitude (decimal degrees)	-95.407223
Longitude (degrees minutes seconds)	095° 24' 26" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1890
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	4/0/1962
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #16
Driller	Texas Water Wells
Other Data Available	Aquifer Test; Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/16/1968
Last Update Date	7/12/2010

Remarks	Reported yield 2565 GPM in 1962. Aquifer test results in TWDB R-98. Test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	590
12	Blank	Steel			500	610
12	Screen	Steel			610	640
12	Blank	Steel			640	670
12	Screen	Steel			670	695
12	Blank	Steel			695	750
12	Screen	Steel			750	760
12	Blank	Steel			760	780
12	Screen	Steel			780	810
12	Blank	Steel			810	815
12	Screen	Steel			815	830
12	Blank	Steel			830	875
12	Screen	Steel			875	895
12	Blank	Steel			895	975

12	Screen	Steel			975	1010
12	Blank	Steel			1010	1020
12	Screen	Steel			1020	1040
12	Blank	Steel			1040	1060
12	Screen	Steel			1060	1080
12	Blank	Steel			1080	1090
12	Screen	Steel			1090	1100
12	Blank	Steel			1100	1135
12	Screen	Steel			1135	1155
12	Blank	Steel			1155	1180
12	Screen	Steel			1180	1230
12	Blank	Steel			1230	1285
12	Screen	Steel			1285	1305
12	Blank	Steel			1305	1335
12	Screen	Steel			1335	1355
12	Blank	Steel			1355	1415
12	Screen	Steel			1415	1435
12	Blank	Steel			1435	1615
12	Screen	Steel			1615	1635
12	Blank	Steel			1635	1655
12	Screen	Steel			1655	1665
12	Blank	Steel			1665	1685
12	Screen	Steel			1685	1695
12	Blank	Steel			1695	1775
12	Screen	Steel			1775	1790
12	Blank	Steel			1790	1800
12	Screen	Steel			1800	1815
12	Blank	Steel			1815	1845
12	Screen	Steel			1845	1860
12	Blank	Steel			1860	1890

Well Tests - No Data

Lithology - No Data

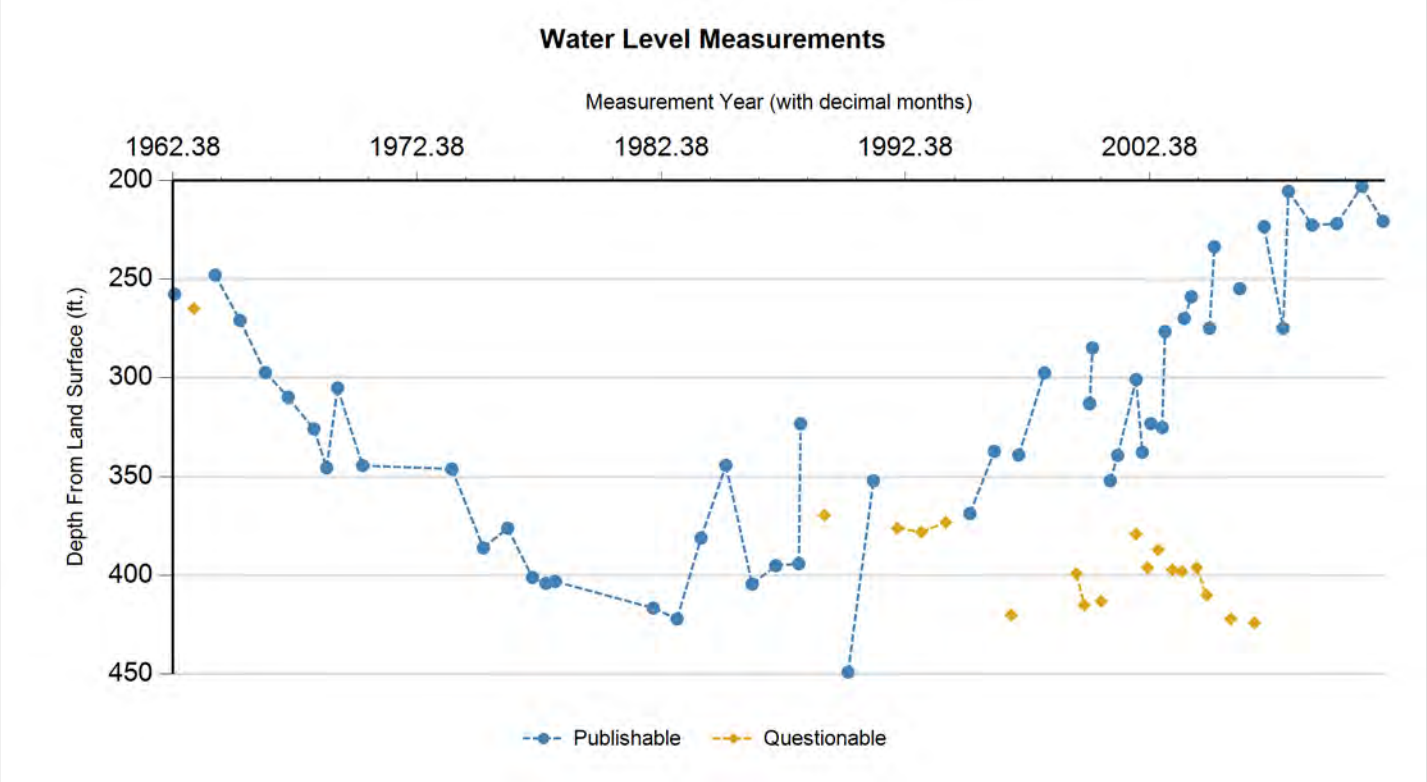
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/16/1962		257.7		-189.7	1	U.S. Geological Survey	Steel Tape		
Q	4/1/1963		265	7.30	-197	1	U.S. Geological Survey	Steel Tape	4	
P	2/13/1964		248	(17.00)	-180	1	U.S. Geological Survey	Steel Tape		
P	2/18/1965		271	23.00	-203	1	U.S. Geological Survey	Steel Tape		
P	3/2/1966		297.42	26.42	-229.42	1	U.S. Geological Survey	Steel Tape		
P	2/9/1967		309.9	12.48	-241.9	1	U.S. Geological Survey	Steel Tape		
P	2/29/1968		325.7	15.80	-257.7	1	U.S. Geological Survey	Electric Line		
P	9/9/1968		345.39	19.69	-277.39	1	U.S. Geological Survey	Steel Tape		
P	2/17/1969		305.21	(40.18)	-237.21	1	U.S. Geological Survey	Steel Tape		
P	2/26/1970		344.27	39.06	-276.27	1	U.S. Geological Survey	Steel Tape		
P	10/25/1973		346	1.73	-278	1	Private Firm or Industry	Unknown		
P	2/6/1975		386	40.00	-318	1	Registered Water Well Driller	Unknown		
P	2/4/1976		376	(10.00)	-308	1	Registered Water Well Driller	Unknown		
P	2/9/1977		401	25.00	-333	1	U.S. Geological Survey	Air Line		
P	9/1/1977		404	3.00	-336	1	U.S. Geological Survey	Air Line		
P	1/13/1978		403	(1.00)	-335	1	U.S. Geological Survey	Air Line		
P	1/19/1982		416.5	13.50	-348.5	1	U.S. Geological Survey	Steel Tape		
P	1/11/1983		422	5.50	-354	1	U.S. Geological Survey	Air Line		
P	1/3/1984		381	(41.00)	-313	1	U.S. Geological Survey	Air Line		
P	1/10/1985		344.1	(36.90)	-276.1	1	U.S. Geological Survey	Steel Tape		
P	2/7/1986		404.34	60.24	-336.34	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/26/1987		395	(9.34)	-327	1	U.S. Geological Survey	Unknown		
P	1/6/1988		394	(1.00)	-326	1	U.S. Geological Survey	Unknown		
P	2/2/1988		323.08	(70.92)	-255.08	1	U.S. Geological Survey	Unknown		
Q	1/24/1989		369.4	46.32	-301.4	1	U.S. Geological Survey	Unknown	4	
P	1/11/1990		449	79.60	-381	1	U.S. Geological Survey	Air Line		
P	1/25/1991		352	(97.00)	-284	1	U.S. Geological Survey	Steel Tape		
Q	1/14/1992		376	24.00	-308	1	U.S. Geological Survey	Steel Tape	4	
Q	1/11/1993		378	2.00	-310	1	U.S. Geological Survey	Air Line	4	
Q	1/12/1994		373	(5.00)	-305	1	U.S. Geological Survey	Air Line	4	
P	1/7/1995		368.6	(4.40)	-300.6	1	U.S. Geological Survey	Steel Tape		
P	1/8/1996		337.05	(31.55)	-269.05	1	U.S. Geological Survey	Steel Tape		
Q	9/19/1996		420	82.95	-352	1	U.S. Geological Survey	Electric Line	2	
P	1/6/1997		338.93	(81.07)	-270.93	1	U.S. Geological Survey	Steel Tape		
P	1/28/1998		297.63	(41.30)	-229.63	1	U.S. Geological Survey	Steel Tape		
Q	5/19/1999		399	101.37	-331	1	U.S. Geological Survey	Air Line	2	
Q	9/15/1999		415	16.00	-347	1	U.S. Geological Survey	Air Line	2	
P	12/7/1999		313	(102.00)	-245	1	U.S. Geological Survey	Air Line		
P	1/14/2000		284.97	(28.03)	-216.97	1	U.S. Geological Survey	Steel Tape		
P	1/14/2000		285	0.03	-217	2	U.S. Geological Survey	Air Line		
Q	5/24/2000		413	128.00	-345	1	U.S. Geological Survey	Air Line	2	
P	10/10/2000		352	(61.00)	-284	1	U.S. Geological Survey	Air Line		
P	1/26/2001		339.13	(12.87)	-271.13	1	U.S. Geological Survey	Steel Tape		
P	11/1/2001		301	(38.13)	-233	1	U.S. Geological Survey	Air Line		
Q	11/1/2001		379	78.00	-311	2	U.S. Geological Survey	Air Line	2	
P	1/29/2002		337.56	(41.44)	-269.56	1	U.S. Geological Survey	Steel Tape		
Q	4/17/2002		396	58.44	-328	1	U.S. Geological Survey	Air Line	2	
P	6/7/2002		323	(73.00)	-255	1	U.S. Geological Survey	Air Line		
Q	9/25/2002		387	64.00	-319	1	U.S. Geological Survey	Air Line	2	
P	11/27/2002		325	(62.00)	-257	1	U.S. Geological Survey	Steel Tape		
P	1/2/2003		276.64	(48.36)	-208.64	1	U.S. Geological Survey	Steel Tape		
Q	4/23/2003		397	120.36	-329	1	U.S. Geological Survey	Steel Tape	2	
Q	9/15/2003		398	1.00	-330	1	U.S. Geological Survey	Steel Tape	2	
P	10/21/2003		270	(128.00)	-202	1	U.S. Geological Survey	Steel Tape		
P	2/2/2004		259	(11.00)	-191	1	U.S. Geological Survey	Steel Tape		
Q	4/21/2004		396	137.00	-328	1	U.S. Geological Survey	Steel Tape	2	
Q	9/21/2004		410	14.00	-342	1	U.S. Geological Survey	Steel Tape	2	
P	11/4/2004		275	(135.00)	-207	1	U.S. Geological Survey	Air Line		
P	1/11/2005		233.63	(41.37)	-165.63	1	U.S. Geological Survey	Steel Tape		
Q	9/16/2005		422	188.37	-354	1	U.S. Geological Survey	Air Line	2	
P	1/26/2006		254.89	(167.11)	-186.89	1	U.S. Geological Survey	Steel Tape		
Q	9/6/2006		424	169.11	-356	1	U.S. Geological Survey	Air Line	2	
P	1/24/2007		223.46	(200.54)	-155.46	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-604

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/8/2007		275	51.54	-207	1	U.S. Geological Survey	Air Line		
P	1/22/2008		205.54	(69.46)	-137.54	1	U.S. Geological Survey	Steel Tape		
P	1/13/2009		222.68	17.14	-154.68	1	U.S. Geological Survey	Steel Tape		
P	1/15/2010		221.99	(0.69)	-153.99	1	U.S. Geological Survey	Steel Tape		
P	1/25/2011		203.06	(18.93)	-135.06	1	U.S. Geological Survey	Steel Tape		
P	12/13/2011		220.78	17.72	-152.78	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 6/16/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		263.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		322	mg/L	
00910	CALCIUM (MG/L)		15	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.9	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		56	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.2	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.11		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.83		
00932	SODIUM, CALCULATED, PERCENT		83	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		137	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		690	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		399	mg/L	

Water Quality Analysis

Sample Date: 3/7/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		244.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		298	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		654	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 7/23/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		696	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/25/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		249.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		304	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		665	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/22/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		77	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		546	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/15/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.74	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		312	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		74	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		663	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/10/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		239.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		81	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		617	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/12/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		106	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		491	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/16/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		247.54	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		302	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		79	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		643	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/11/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		64	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		693	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/31/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		672	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/30/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.74	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		312	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		677	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/21/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		700	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/3/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		257.38	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		314	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		681	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/13/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		536	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/17/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		695	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

Water Quality Analysis

Sample Date: 2/8/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		702	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		680	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/22/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		705	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 4/2/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		680	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/1/1993 **Sample Time:** 1425 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		647	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/13/1995 **Sample Time:** 1230 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: U S G S Water-Data R. TX-95-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		627	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-604

Water Quality Analysis

Sample Date: 9/19/1996 **Sample Time:** 0930 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water Data Rpt. TX-96-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		614	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-605

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by CRF & NAR (1941) McAdoo (1939) — Source of data: File — Date: 2-16-68 — Map: Houston Heights 1955 1:24000

State: Texas [4 8] — County (or town): Harris [L J]

Latitude: 29 48 36 N (deg, min, sec) — Longitude: 095 24 19 (degrees, min, sec) — Sequential number: 1

Lat-long accuracy: 1 — T. ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-13-605 — Other number: #6 1410 B & M

Local use: — Owner or name: City of Houston

Owner or name: CITY OF HOUSTON — Address: Heights Plant.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — abd. 1974 — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — X

DATA AVAILABLE: Well data 6 — Freq. W/L meas.: Annual 1938 — A — Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 5-8-39 — Ø — Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E log T-12 D-LOG — E D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 1232 ft 1232 — Meas. (rept) Driller accuracy — 3

Depth cased (first perf.): 581 ft 581 — Casing type: S; Diam. 25-13 in 25

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: 1936 — 936 — Pump intake setting: ___ ft

Driller: Layne Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (R) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T — Deep Shallow — D

Power (type): diesel, (elec), nat gas, gasoline, hand, LP gas, wind; H.P. 150 — W — Trans. or meter no.

Descrip. MP ___ ft above below LSD. Alt. MP

Alt. LSD: 68 — 68 — Accuracy: (source) Topo 5' — 3

Water Level: 67.0 ft above below MP; Ft above below LSD — 67 — Accuracy: driller — D

Date meas: Oct. 27, 1936 — Ø36 — Yield: 2595 gpm — 2595 — Method determined

Drawdown: 68 ft — 68 — Accuracy: rept. — 3 — Pumping period ___ hrs

QUALITY OF WATER DATA: Iron ___ ppm — Sulfate ___ ppm — Chloride ___ ppm — Hard. ___ ppm

Sp. Conduct ___ K x 10^6 — Temp. ___ °F — Date sampled

Taste, color, etc.

PL 134.75
67.0
67.75

Well No. LJ-65-13-605

Well No. LJ-65-13-605

Latitude-longitude 29 d, 48 m, 36 s, 095 d, 24 m, 19 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain 03 (20–21) Section:

F (22) Drainage Basin: 51R (23–25) Subbasin: (24)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31)

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: 326 ft 326 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: * 581-1226.

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: ✓ gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: ✓ gpd/ft^2; Spec cap: ✓ gpm/ft; Number of geologic cards: (79)

* Screen

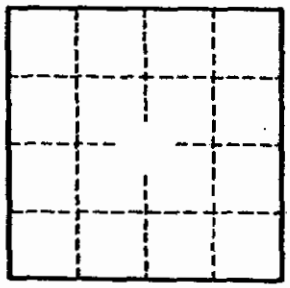
581-616	35
660-695	35
766-817	51
866-887	21
977-1029	52
1062-1151	89
1183-1226	43

Production 1941

4.0 MGD.

456' of 25" csg

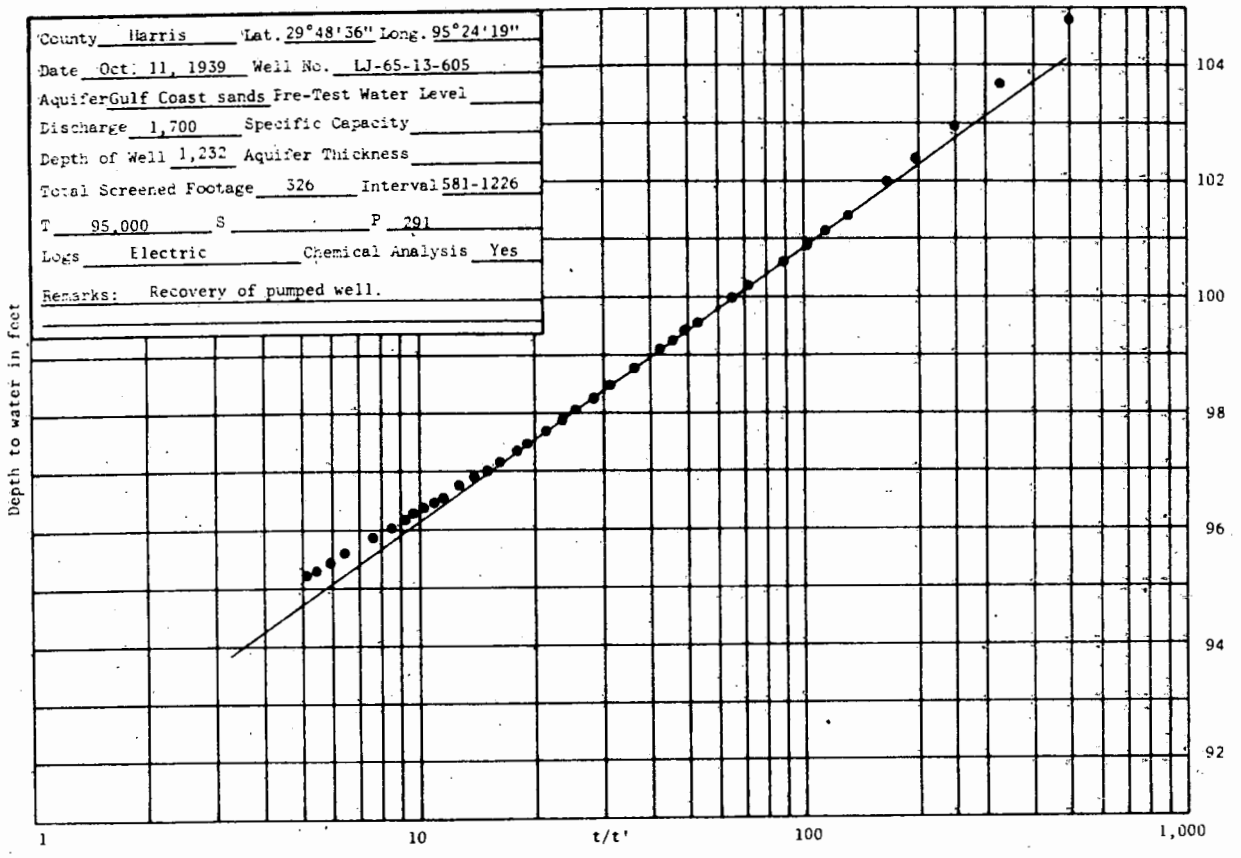
776' of 13" csg



Well No. LJ-65-13-605

GPO 857-700

County Harris Lat. 29°48'36" Long. 95°24'19"
Date Oct. 11, 1939 Well No. LJ-65-13-605
Aquifer Gulf Coast sands Pre-Test Water Level
Discharge 1,700 Specific Capacity
Depth of Well 1,232 Aquifer Thickness
Total Screened Footage 326 Interval 581-1226
T 95,000 S P 291
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.



Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-605

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513605
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.810278
Latitude (degrees minutes seconds)	29° 48' 37" N
Longitude (decimal degrees)	-95.405556
Longitude (degrees minutes seconds)	095° 24' 20" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1232
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1936
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #6
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/16/1968
Last Update Date	7/12/2010

Remarks	Reported yield 1700 GPM in 1939. Aquifer test results in TWDB R-98. Test hole drilled to 2000 feet. No aquifer test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	456
12	Blank	Steel			0	581
12	Screen	Steel			581	616
12	Blank	Steel			616	660
12	Screen	Steel			660	695
12	Blank	Steel			695	766
12	Screen	Steel			766	817
12	Blank	Steel			817	866
12	Screen	Steel			866	887
12	Blank	Steel			887	977
12	Screen	Steel			977	1029
12	Blank	Steel			1029	1062
12	Screen	Steel			1062	1151
12	Blank	Steel			1151	1183
12	Screen	Steel			1183	1226
12	Blank	Steel			1226	1232

Well Tests - No Data

Lithology - No Data

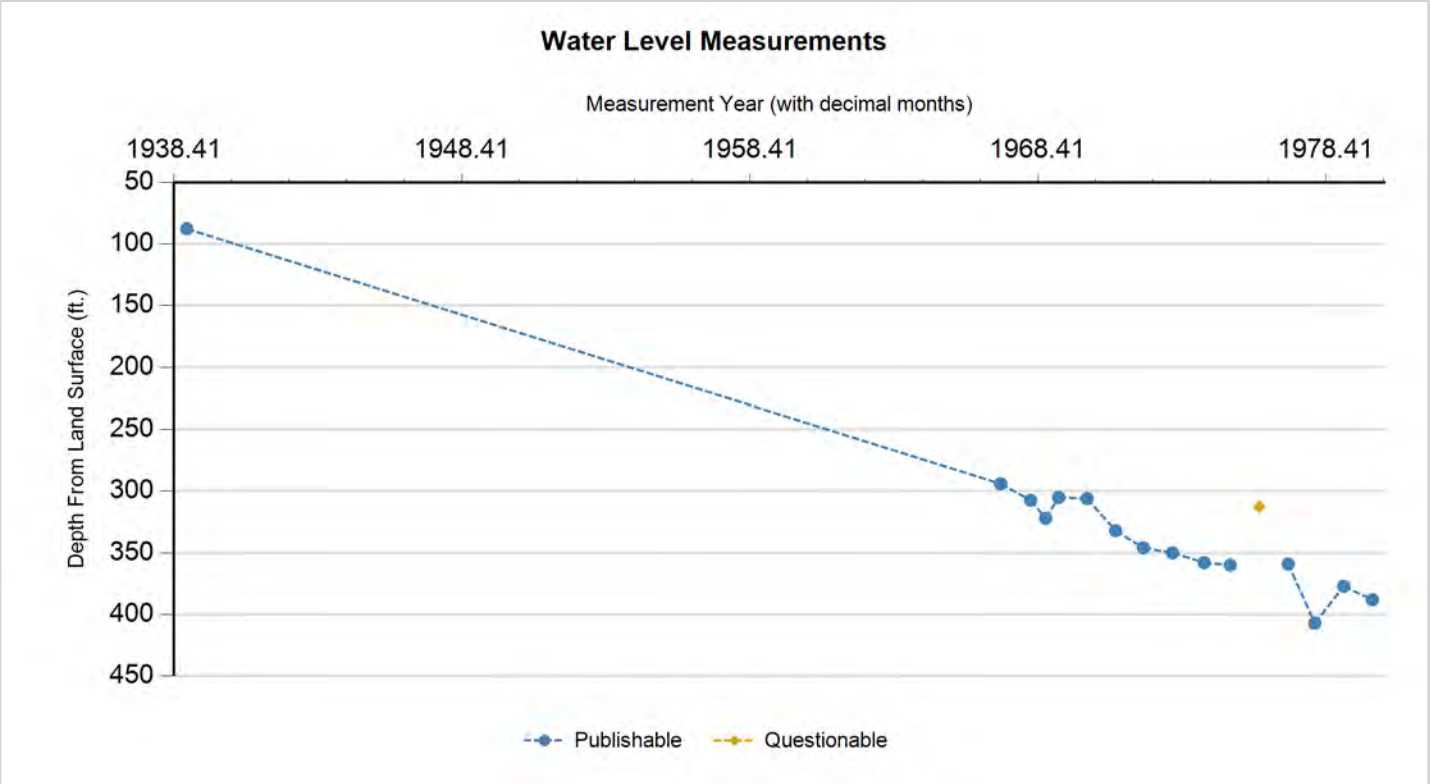
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/14/1938		87.7		-19.7	1	U.S. Geological Survey	Steel Tape		
P	2/14/1967		293.98	206.28	-225.98	1	U.S. Geological Survey	Steel Tape		
P	2/29/1968		307.3	13.32	-239.3	1	U.S. Geological Survey	Steel Tape		
P	9/10/1968		322	14.70	-254	1	U.S. Geological Survey	Air Line		
P	2/18/1969		305	(17.00)	-237	1	U.S. Geological Survey	Air Line		
P	2/16/1970		306	1.00	-238	1	U.S. Geological Survey	Air Line		
P	2/10/1971		332	26.00	-264	1	U.S. Geological Survey	Air Line		
P	1/28/1972		346	14.00	-278	1	U.S. Geological Survey	Air Line		
P	1/31/1973		350	4.00	-282	1	U.S. Geological Survey	Air Line		
P	3/8/1974		358	8.00	-290	1	U.S. Geological Survey	Steel Tape		
P	2/3/1975		359.9	1.90	-291.9	1	U.S. Geological Survey	Steel Tape		
Q	2/4/1976		312.5	(47.40)	-244.5	1	U.S. Geological Survey	Steel Tape	12	
P	2/8/1977		359.04	46.54	-291.04	1	U.S. Geological Survey	Steel Tape		
P	1/10/1978		407	47.96	-339	1	U.S. Geological Survey	Air Line		
P	1/12/1979		377.15	(29.85)	-309.15	1	U.S. Geological Survey	Steel Tape		
P	1/10/1980		388.03	10.88	-320.03	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
12	Uncertain of reason for questionable measurement

Water Quality Analysis

Sample Date: 5/8/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
00910	CALCIUM (MG/L)		26	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2000	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.66		
00955	SILICA, DISSOLVED (MG/L AS SI02)		9	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		5.79		
00932	SODIUM, CALCULATED, PERCENT		76	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		117	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		361	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 606 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 14 Longitude - 95 24 17 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Heights #5

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1931 Depth - 1,858 ft. Source of Depth - Altitude - 67 ft. Source of Alt. - M
Aquifer - 112CEVG CHICOT AND EVANGELINE AQUIFERS Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data- AC

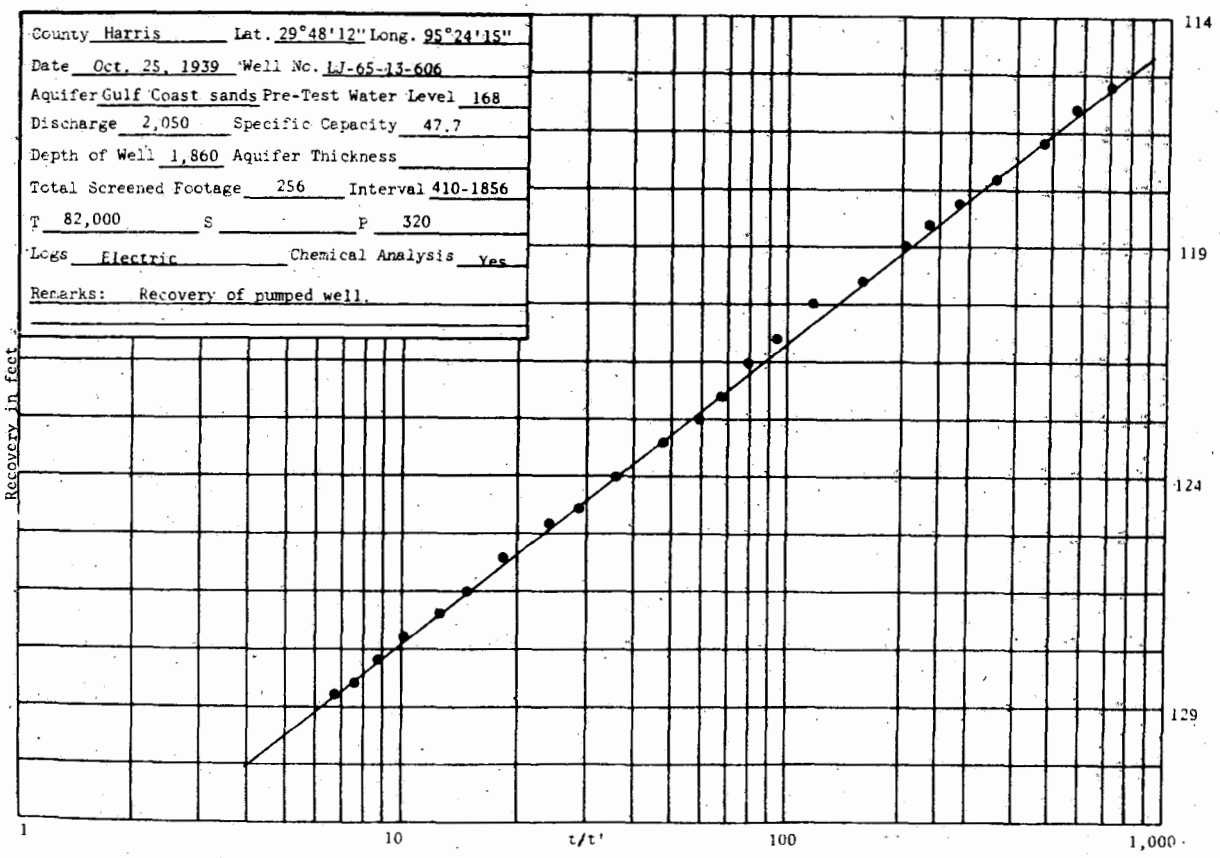
WATER LEVELS Date- 11/14/1938 Measurement- -63.60
Date- 02/13/1964 Measurement- -210.70

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -
256 ft of screen between 410 and
1856 ft. Reportedc yield 2500 gpm
when drilled. Flowing 6 ft above
ground when drilled. Test hole
drilled to 2090 ft. Well destroyed.
Well 5. Aquifer test data in TWDB
R-98.


County Harris Lat. 29°48'12" Long. 95°24'15"
Date Oct. 25, 1939 Well No. LJ-65-13-606
Aquifer Gulf Coast sands Pre-Test Water Level 168
Discharge 2,050 Specific Capacity 47.7
Depth of Well 1,860 Aquifer Thickness
Total Screened Footage 256 Interval 410-1856
T 82,000 S P 320
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Recovery in feet
114
119
124
129
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-606

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513606
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.803889
Latitude (degrees minutes seconds)	29° 48' 14" N
Longitude (decimal degrees)	-95.404723
Longitude (degrees minutes seconds)	095° 24' 17" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1858
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1931
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #5
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	7/12/2010
Last Update Date	7/12/2010

Remarks	Screened 256 feet between 410 and 1856 feet. Reported yield 2050 GPM with 43 feet recovery in 1939. Specific capacity 47.7 GPM/ft. Test hole drilled to 2090 feet. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

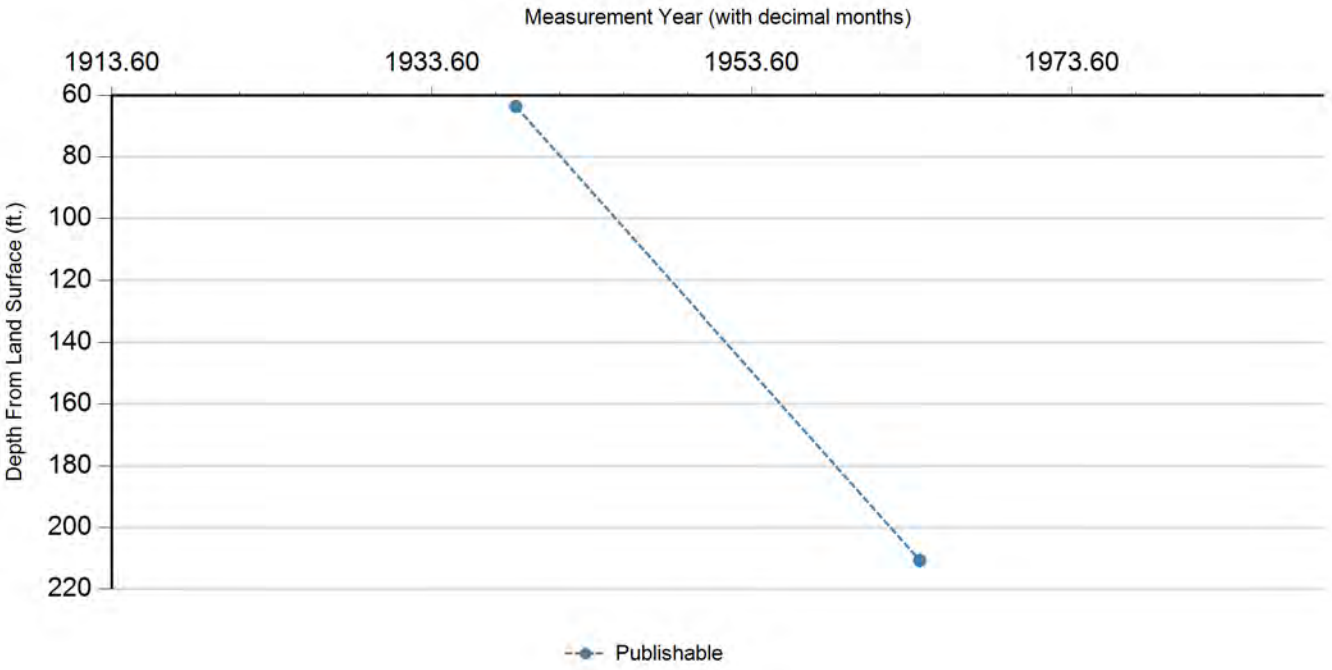
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/14/1938		63.6		3.4	1	Texas Water Development Board	Steel Tape		
P	2/13/1964		210.7	147.10	-143.7	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 5/3/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		269.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		329	mg/L	
00910	CALCIUM (MG/L)		27	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2000	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.63		
00955	SILICA, DISSOLVED (MG/L AS SI02)		6	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		5.89		
00932	SODIUM, CALCULATED, PERCENT		75	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		127	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		394	mg/L	

Water Quality Analysis

Sample Date: 4/10/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		334.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		408	mg/L	
00910	CALCIUM (MG/L)		15	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		111	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.69		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		12.52		
00932	SODIUM, CALCULATED, PERCENT		88	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		203	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1150	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		557	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		82	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		101	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		752	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		172.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		210	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		188	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		542	MICR	

Water Quality Analysis

Sample Date: 2/9/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		219	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		189	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		539	MICR	

Water Quality Analysis

Sample Date: 3/4/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		544	MICR	

Water Quality Analysis

Sample Date: 3/6/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		178.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		218	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		193	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		544	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	

Water Quality Analysis

Sample Date: 3/25/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		553	MICR	

Water Quality Analysis

Sample Date: 3/5/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		529	MICR	

Water Quality Analysis

Sample Date: 2/26/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		135.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		165	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		469	MICR	

Water Quality Analysis

Sample Date: 4/19/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		178.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		218	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		185	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		543	MICR	

Water Quality Analysis

Sample Date: 3/5/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		174.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		213	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		189	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		532	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	

Water Quality Analysis

Sample Date: 3/7/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		196	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		534	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		22	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-607

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by (CRF 1939) McAdoo (NAR 1941) Source of data File Date 2-16-68 Map Houston Heights 1955 1:24000

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 48 10 N (deg 7 min 9 sec 11) Longitude: 095 24 18 (12 degrees 15 min sec 18) Sequential number: 1 (19)

Lat-long accuracy: 1 (20) T. ____ N S. R ____ W, Sec ____, ____ ¼, ____ ¼, ____ ¼ ____

Local well number: LJ-65-13-607 (31 35 50 54) Other number: B & M #8 1411

Local use: (33 40 45 51) Owner or name: City of Houston

Owner or name: CITY OF HOUSTON (52 56 61 66) Address: Heights Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M (67)

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Ind, (N) P S, (P) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other Ind. — U (68)

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (Ø) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W (69)

DATA AVAILABLE: Well data 6 (70) Freq. W/L meas.: 1938—'69 Annual A (71) Field aquifer char. (72)

Hyd. lab. data: (73)

Qual. water data; type: (74)

Freq. sampling: 6-20-39 T (75) Pumpage inventory: yes / no, period: (76)

Aperture cards: yes (77)

Log data: E log T-13 E (78 79)

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD (1 19) Depth well: 1252 ft 1252 (20 23) Meas. (sand) Driller accuracy 3 (24)

Depth cased (first perf.): 558 ft 558 (25 28) Casing type: S; Diam. 2½-12¾ in 21 (29 30)

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other — G (31)

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H (32)

Date Drilled: 1938 9 38 (33 35) Pump intake setting: ____ ft (34 36)

Driller: Layne Texas Co. (name), Houston Texas (address)

Lift (type): (A) air, (B) bucket, cent, (C) jet, (J) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, submerg, (S) (T) turb, (Z) other — T (39) Deep Shallow D (40)

Power (type): diesel, (elec) nat gas, gasoline, hand, gas, wind; LP; H.P. not used — W (41) Trans. or meter no.

Descrip. MP ____ ft above below LSD. Alt. MP ____

Alt. LSD: 67 6 7 (42 46) Accuracy (source): Topo 5' 3 (47)

Water Level 88.45 ft above below MP; Ft above (below) LSD 8 8 (48 51) Accuracy: tape A (52)

Date meas: 11-14-38 N 3 8 (53 55) Yield: ____ gpm (56 60) Method determined (61)

Drawdown: ____ ft (62 64) Accuracy: ____ (65) Pumping period ____ hrs (66 68)

QUALITY OF WATER DATA: Iron ____ ppm (69) Sulfate ____ ppm (70) Chloride ____ ppm (71) Hard. ____ ppm (72)

Sp. Conduct ____ K x 10^6 (73) Temp. ____ °F (74 76) Date sampled (77 79)

Taste, color, etc. ____

Well No. LJ-65-13-607

Well No. LJ-65-13-607

Latitude-longitude 29 d 48 m 10 s N 095 d 24 m 18 s W

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [513] (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 387 ft [387] (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series [Q] (44–45) _____ aquifer, formation, group [CL] (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: * 558-1240

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

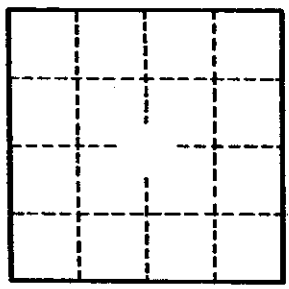
Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: ✓ _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: ✓ _____ gpd/ft^2; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ (79)

* screen:

558-580	22
679-760	81
778-829	51
958-1007	49
1017-1042	25
1062-1156	94
1175-1240	65

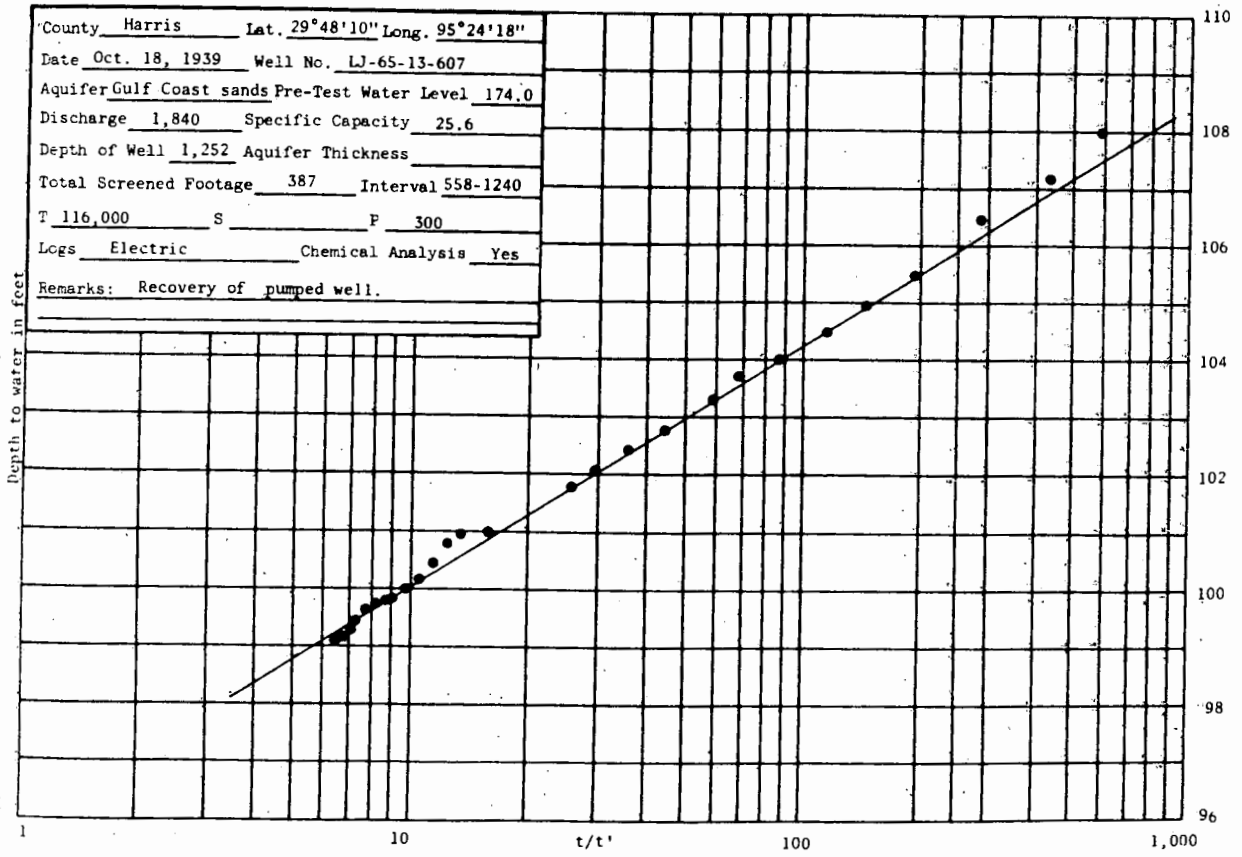


CJJ.

21½" 0-473

Well No. LJ-65-13-607

GPO 857-700


County Harris Lat. 29°48'10" Long. 95°24'18"
Date Oct. 18, 1939 Well No. LJ-65-13-607
Aquifer Gulf Coast sands Pre-Test Water Level 174.0
Discharge 1,840 Specific Capacity 25.6
Depth of Well 1,252 Aquifer Thickness
Total Screened Footage 387 Interval 558-1240
T 116,000 S P 300
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
110
108
106
104
102
100
98
96
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-607

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513607
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.803056
Latitude (degrees minutes seconds)	29° 48' 11" N
Longitude (decimal degrees)	-95.404723
Longitude (degrees minutes seconds)	095° 24' 17" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1252
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #8
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/16/1968
Last Update Date	7/12/2010

Remarks	Reported yield 1840 GPM with 72 feet recovery in 1939. Specific capacity 25.6 GPM/ft. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
22	Blank	Steel			0	473
12	Blank	Steel			473	558
12	Screen	Steel			558	580
12	Blank	Steel			580	679
12	Screen	Steel			679	760
12	Blank	Steel			760	778
12	Screen	Steel			778	829
12	Blank	Steel			829	958
12	Screen	Steel			958	1007
12	Blank	Steel			1007	1017
12	Screen	Steel			1017	1042
12	Blank	Steel			1042	1062
12	Screen	Steel			1062	1156
12	Blank	Steel			1156	1175
12	Screen	Steel			1175	1240
12	Blank	Steel			1240	1252

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

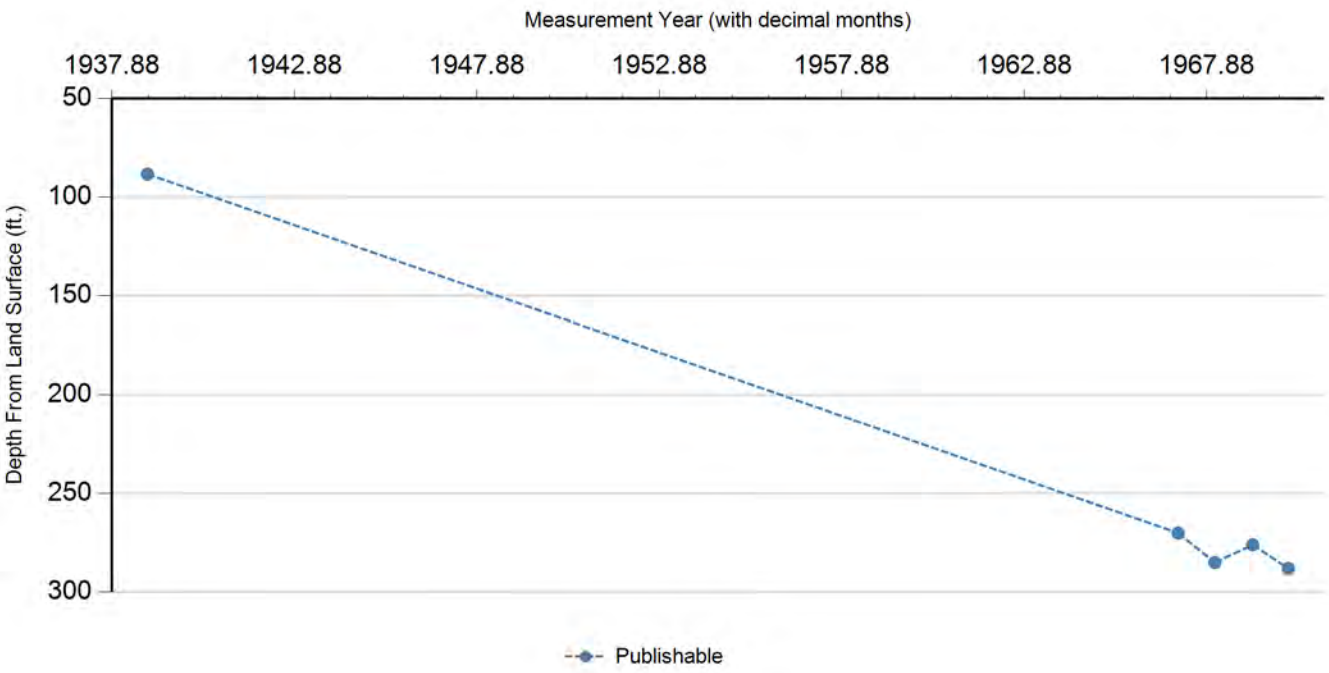
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/14/1938		88.4		-21.4	1	Registered Water Well Driller	Unknown		
P	2/10/1967		270	181.60	-203	1	U.S. Geological Survey	Air Line		
P	2/12/1968		285	15.00	-218	1	U.S. Geological Survey	Air Line		
P	2/26/1969		276	(9.00)	-209	1	U.S. Geological Survey	Air Line		
P	2/17/1970		288	12.00	-221	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 6/20/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		246.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		301	mg/L	
00910	CALCIUM (MG/L)		23	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		66	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.62		
00955	SILICA, DISSOLVED (MG/L AS SI02)		11	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.07		
00932	SODIUM, CALCULATED, PERCENT		78	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		113	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		344	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-607

Water Quality Analysis

Sample Date: 7/23/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		84	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-608

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by (CRF) (1932) McAdoo & (NAR 1941) Source of data File Date 2-16-68 Map Houston Heights 1955 1:24000

State Texas 48 County (or town) Harris LJ

Latitude: 29 47 52 N (deg, min, sec) Longitude: 095 24 21 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼ B & M

Local well number: LJ-65-13-608 Other number: #7 1412

Local use: Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Heights Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (T) Desal-other, (Z) Other abd. 1974 P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed X U

DATA AVAILABLE: Well data 6 Freq. W/L meas.: 1938 — Annual A Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 5-8-39 A Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: — E-log T-20 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1458 ft 1458 Meas. rept Driller accuracy 3

Depth cased (first perf.) 561 ft 561 Casing type: S ; Diam. 25-13 in 25

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: 1936 936 Pump intake setting: ft

Driller: Layne Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other T Deep Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 150 W Trans. or meter no.

Descrip. MP ft above below LSD. Alt. MP

Alt. LSD: 69 69 Accuracy: (source) Topo 5' 3

Water Level 81.9 ft above below MP; Ft above below LSD 82 Accuracy: driller D

Date meas: 4-16-37 437 Yield: 3050 gpm 3050 Method determined

Drawdown: 63 ft 63 Accuracy: rept. 3 Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

PL 144.9
81.9
63.0

Well No. LJ-65-13-608

Well No. LJ-65-13-608

Latitude-longitude 29 d 47 m 52 s (N) S 095 d 24 m 21 s .1

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD [1–19] Physiographic Province: Coastal Plain [20–21: 03] Section: _____

[22: F] Drainage Basin: _____ [23–25: 511P] Subbasin: _____ [26]

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, swamp, (S) offshore, (P) pediment, (R) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [27]

MAJOR AQUIFER: _____ system, _____ series [28–29: T] _____ aquifer, formation, group [30–31: EL]

Lithology: _____ [32–33] Origin: _____ [34] Aquifer Thickness: _____ ft

[35–37] Length of well open to: 591 ft [38–40: 591] Depth to top of: _____ ft [41–43]

MINOR AQUIFER: _____ system, _____ series [44–45: Q] _____ aquifer, formation, group [46–47: CL]

Lithology: _____ [48–49] Origin: _____ [50] Aquifer Thickness: _____ ft

[51–53] Length of well open to: _____ ft [54–56] Depth to top of: _____ ft [57–59]

Intervals Screened: * 561-1454.

Depth to consolidated rock: _____ ft [60–63] Source of data: _____ [64]

Depth to basement: _____ ft [65–68] Source of data: _____ [69]

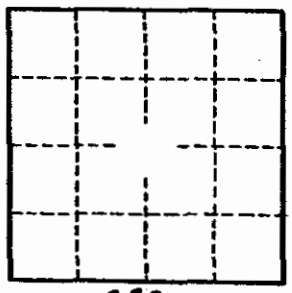
Surficial material: _____ [70–71] Infiltration characteristics: _____ [72]

Coefficient Trans: _____ gpd/ft [73–75] Coefficient Storage: _____ [76–78]

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [79]

* screen;

561-651 90
703-778 75
798-848 50
879-912 33
992-1271 279
1352-1384 32
1422-1454. 32

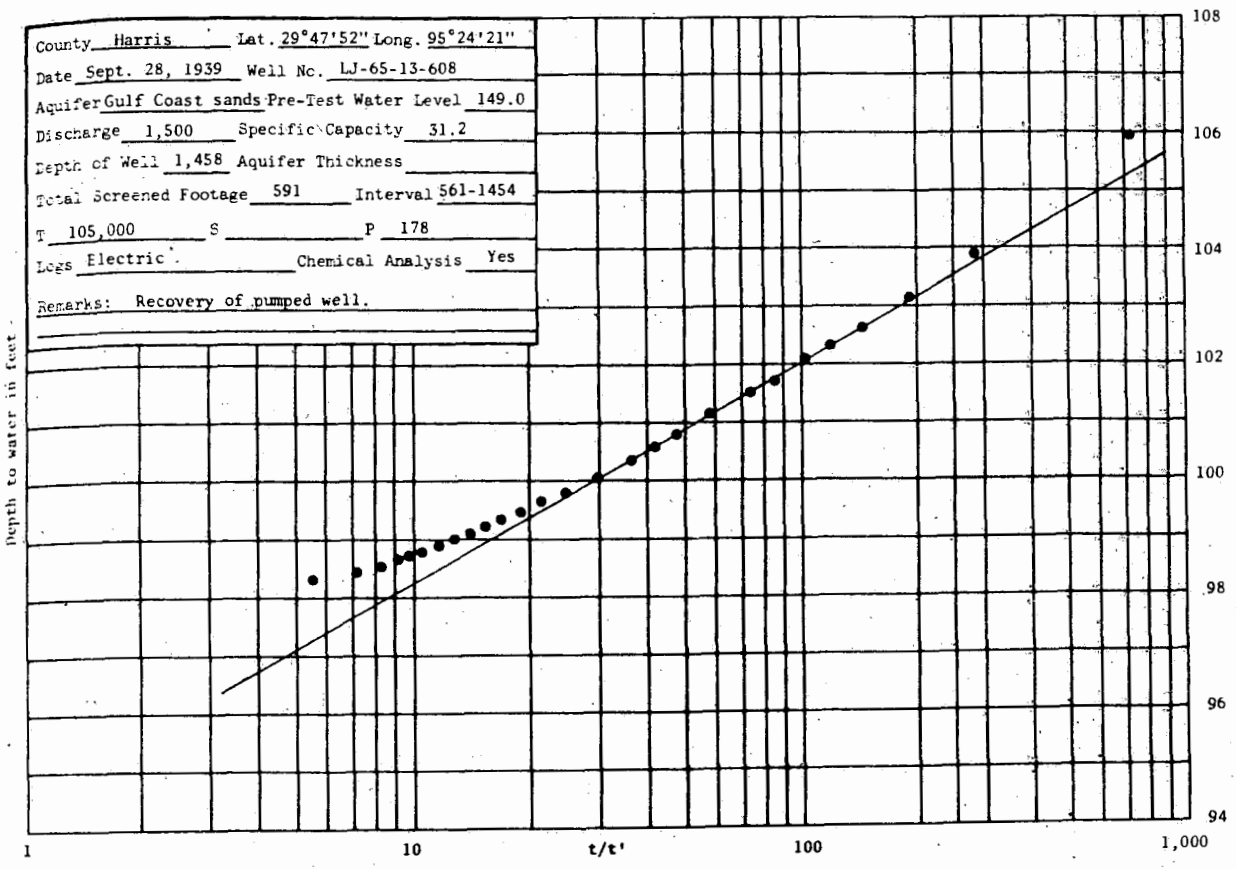


C89.

25" - 0-459
13" - ?

Well No. LJ-65-13-608

GPO 857-700


County Harris Lat. 29°47'52" Long. 95°24'21"
Date Sept. 28, 1939 Well No. LJ-65-13-608
Aquifer Gulf Coast sands Pre-Test Water Level 149.0
Discharge 1,500 Specific Capacity 31.2
Depth of Well 1,458 Aquifer Thickness
Total Screened Footage 591 Interval 561-1454
T 105,000 S P 178
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
108
106
104
102
100
98
96
94
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-608

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513608
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7980556
Latitude (degrees minutes seconds)	29° 47' 53" N
Longitude (decimal degrees)	-95.4061111
Longitude (degrees minutes seconds)	095° 24' 22" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	69
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1458
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1936
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G1010013GY
Groundwater Conservation District Well Number	
Owner Well Number	Heights #7
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/16/1968
Last Update Date	6/13/2019

Remarks	Aquifer test results in TWDB R-98. Well drilled to 1458', cased to 561'.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	459
12	Blank	Steel			459	561
12	Screen	Steel			561	651
12	Blank	Steel			651	703
12	Screen	Steel			703	778
12	Blank	Steel			778	798
12	Screen	Steel			798	848
12	Blank	Steel			848	879
12	Screen	Steel			879	912
12	Blank	Steel			912	992
12	Screen	Steel			992	1271
12	Blank	Steel			1271	1352
12	Screen	Steel			1352	1384
12	Blank	Steel			1384	1422
12	Screen	Steel			1422	1454
12	Blank	Steel			1454	1458

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
4/16/1937	Unknown	3050	63	
9/28/1939	Pump	1500		

Lithology - No Data

Annular Seal Range - No Data

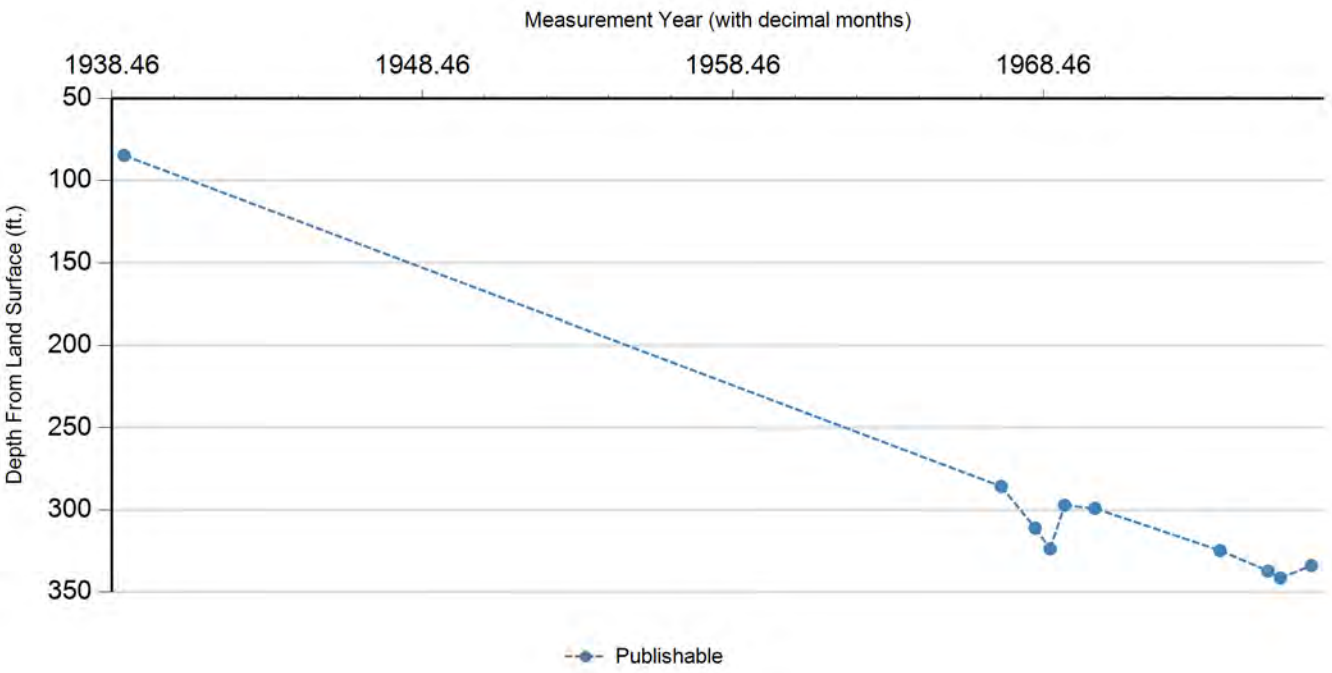
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/14/1938		84.7		-15.7	1	U.S. Geological Survey	Steel Tape		
P	2/9/1967		285.7	201.00	-216.7	1	U.S. Geological Survey	Steel Tape		
P	3/14/1968		311	25.30	-242	1	U.S. Geological Survey	Steel Tape		
P	9/9/1968		323.7	12.70	-254.7	1	U.S. Geological Survey	Steel Tape		
P	2/25/1969		297.18	(26.52)	-228.18	1	U.S. Geological Survey	Steel Tape		
P	2/16/1970		299.06	1.88	-230.06	1	U.S. Geological Survey	Steel Tape		
P	2/27/1974		324.7	25.64	-255.7	1	U.S. Geological Survey	Electric Line		
P	9/15/1975		337.11	12.41	-268.11	1	U.S. Geological Survey	Steel Tape		
P	2/4/1976		341.45	4.34	-272.45	1	U.S. Geological Survey	Steel Tape		
P	2/8/1977		333.83	(7.62)	-264.83	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 5/8/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		289.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		353	mg/L	
00910	CALCIUM (MG/L)		24	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		53	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		64	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		4000	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.5		
00955	SILICA, DISSOLVED (MG/L AS SI02)		10	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.5		
00932	SODIUM, CALCULATED, PERCENT		82	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		138	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		399	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		239.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		74	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		590	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		287	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		581	MICR	

Water Quality Analysis

Sample Date: 3/30/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		84	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		514	MICR	

Water Quality Analysis

Sample Date: 3/12/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		176.23	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		215	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		90	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		490	MICR	

Water Quality Analysis

Sample Date: 2/9/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		278	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		86	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		546	MICR	

Water Quality Analysis

Sample Date: 3/5/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		65	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		511	MICR	

Water Quality Analysis

Sample Date: 3/4/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	

Water Quality Analysis

Sample Date: 2/29/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		226.23	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		276	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		86	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		549	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/27/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		86	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		550	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 3/17/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		551	MICR	

Water Quality Analysis

Sample Date: 2/24/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		491	MICR	

Water Quality Analysis

Sample Date: 2/29/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		71	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		554	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/27/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		217.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		265	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		75	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		537	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 3/5/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		214.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		262	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		89	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		531	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 3/7/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		61	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 3/3/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		96	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		536	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/18/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		497	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/15/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		112	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/12/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		114	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		502	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-608

Water Quality Analysis

Sample Date: 2/11/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-612

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513612
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.806667
Latitude (degrees minutes seconds)	29° 48' 24" N
Longitude (decimal degrees)	-95.409167
Longitude (degrees minutes seconds)	095° 24' 33" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	69
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	800
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1909
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Oriental Textile Mills
Driller	Taylor and Roberts
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 3/20/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		110	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		30	mg/L	

Water Quality Analysis

Sample Date: 1/14/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		202.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		247	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		99	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.1	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		70	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		264	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		106	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		66	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		262	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		102	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		69	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		265	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		227	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		71	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		258	mg/L	

Water Quality Analysis

Sample Date: 1/28/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00910	CALCIUM (MG/L)		27	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	
00920	MAGNESIUM (MG/L)		9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.97		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.98		
00932	SODIUM, CALCULATED, PERCENT		59	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		70	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		271	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-612

Water Quality Analysis

Sample Date: 1/22/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 613 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 12 Longitude - 95 24 20 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Heights #2

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1923 Depth - 1,362 ft. Source of Depth - Altitude - 68 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 03/05/1923 Measurement- -19.50
Date- 08/26/1936 Measurement- -63.90

Recorded By _____ Date Record Collected or Updated- / /

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Aquifer - 121EVGL
Well No. - 65 13 613

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-613

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513613
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.803334
Latitude (degrees minutes seconds)	29° 48' 12" N
Longitude (decimal degrees)	-95.405556
Longitude (degrees minutes seconds)	095° 24' 20" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1362
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1923
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #2
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/5/1923		19.5		48.5	1	Registered Water Well Driller	Unknown		
P	8/26/1936		63.9	44.40	4.1	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. J-65-13-614

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by Gene McAdoo — Source of data File — Date 1-19-68 — Map Houston Heights 1955 1:24000

State Texas [48] — County (or town) Harris [201]

Latitude: [29 48 11 N] — Longitude: [095 24 19] — Sequential number: [1]

Lat-long accuracy: [1] — T. ____ S, R ____ W, Sec ____, ____ k, ____ k, ____ k

Local well number: LJ-65-13-614 — Other number: 591 B & M Heights #3

Local use: ____ — Owner or name: City of Houston

Owner or name: CITY OF HOUSTON — Address: Heights Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other abd. about 1940 — [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — [U]

DATA AVAILABLE: Well data [8] — Freq. W/L meas.: Semiannual 1988 [S] — Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: none — Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 1039 ft [1039] Meas. (tape) Driller accuracy [6]

Depth cased (first perf.): 514 ft [514] — Casing type: S ; Diam. 24-12 in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, (S) sd. pt., (T) shored, (W) open hole, (X) other — [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, rotary, (R) reverse, (T) trenching, (V) driven, (W) drive wash, (Z) other — [H]

Date Drilled: 1924 [924] — Pump intake setting: ____ ft

Driller: Layne Texas Co. (name) Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — [N] Deep / Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat, LP; H.P. ____ — Traps, or water no.

Descrip. MP ____ ft above/below LSD, Alt. MP ____

Alt. LSD: 68. [68] — Accuracy (source): Topo 5' [3]

Water Level 76.92 ft above/below MP; Ft above/below LSD [77] — Accuracy: tape [A]

Date meas: 1-20-38 [138] — Yield: ____ gpm — Method determined

Drawdown: ____ ft — Accuracy: ____ — Pumping period ____ hrs

QUALITY OF WATER DATA: Iron ____ ppm — Sulfate ____ ppm — Chloride ____ ppm — Hard. ____ ppm

Sp. Conduct ____ K x 10^6 — Temp. ____ °F — Date sampled

Taste, color, etc.

Well No. LJ-65-13-614

Well No. LJ-65-[illegible]-614

Latitude-longitude 29 , 48 , 11 S 095 , 24 , 19 . 1
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain 03 (20–21) Section: West

GCP F (22) Drainage Basin: 51R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31)

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: 303 ft 303 (38–40) Depth to top of: 514 ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: 514-564 (50); 579-676 (97); 691-740 (49); 883-925 (42); 969-1034 (65).

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)

Layne-Texas (3-20-90) set 4" liner surface to top of 12" csg (98'), 3½" packer set in top of 12" csg.

98' of 24" csg.

Well No. LJ-65-13-614

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-614

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513614
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.803334
Latitude (degrees minutes seconds)	29° 48' 12" N
Longitude (decimal degrees)	-95.405556
Longitude (degrees minutes seconds)	095° 24' 20" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1039
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1924
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #3
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/3/1999
Last Update Date	2/3/1999

Remarks	303 ft of screen between 514 and 1034 ft. Well abandoned about 1940. Well 3.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

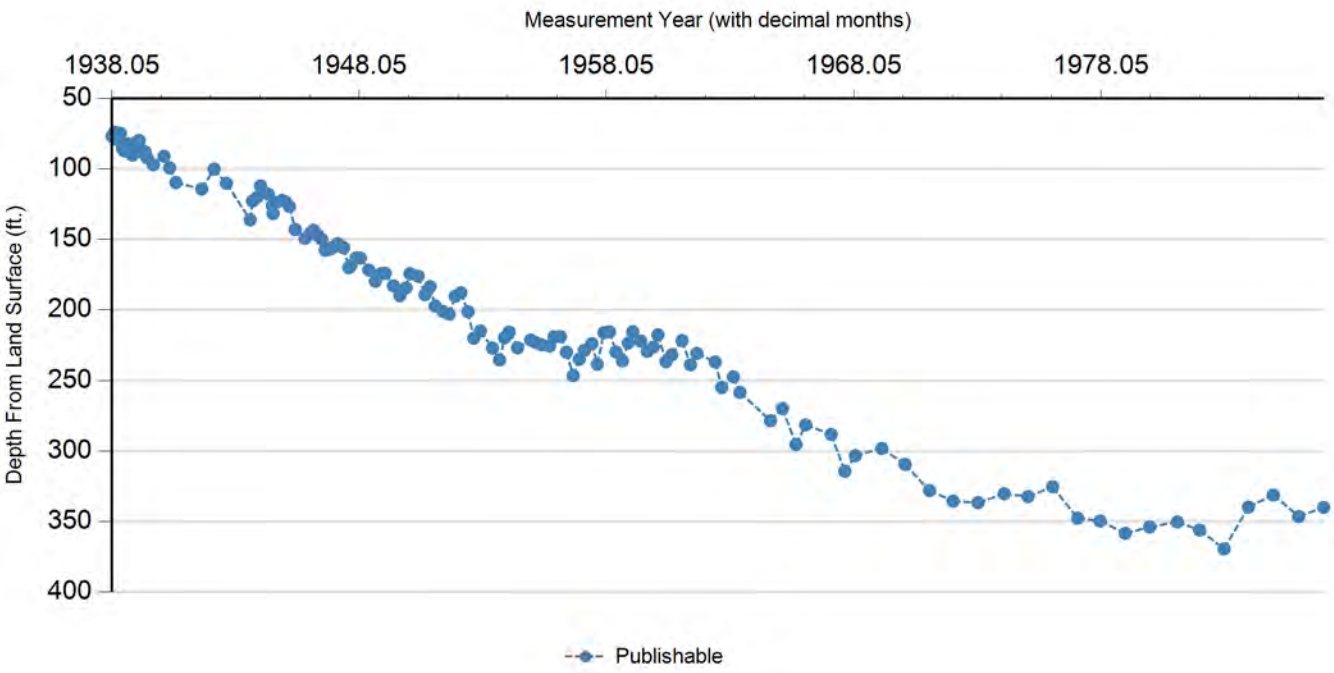
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/20/1938		76.9		-8.9	2	U.S. Geological Survey	Steel Tape		
P	3/1/1938		74.03	(2.87)	-6.03	1	U.S. Geological Survey	Steel Tape		
P	3/23/1938		79	4.97	-11	1	U.S. Geological Survey	Steel Tape		
P	4/22/1938		76.32	(2.68)	-8.32	1	U.S. Geological Survey	Steel Tape		
P	5/21/1938		74.76	(1.56)	-6.76	1	U.S. Geological Survey	Steel Tape		
P	6/23/1938		85.57	10.81	-17.57	1	U.S. Geological Survey	Steel Tape		
P	7/20/1938		87.18	1.61	-19.18	1	U.S. Geological Survey	Steel Tape		
P	8/25/1938		87.6	0.42	-19.6	1	U.S. Geological Survey	Steel Tape		
P	9/22/1938		82.15	(5.45)	-14.15	1	U.S. Geological Survey	Steel Tape		
P	10/21/1938		85.65	3.50	-17.65	1	U.S. Geological Survey	Steel Tape		
P	11/21/1938		90.32	4.67	-22.32	1	U.S. Geological Survey	Steel Tape		
P	12/14/1938		84.49	(5.83)	-16.49	1	U.S. Geological Survey	Steel Tape		
P	12/20/1938		83.54	(0.95)	-15.54	1	U.S. Geological Survey	Steel Tape		
P	1/13/1939		84.15	0.61	-16.15	1	U.S. Geological Survey	Steel Tape		
P	1/17/1939		81.08	(3.07)	-13.08	1	U.S. Geological Survey	Steel Tape		
P	2/21/1939		80.22	(0.86)	-12.22	1	U.S. Geological Survey	Steel Tape		
P	2/24/1939		79.83	(0.39)	-11.83	1	U.S. Geological Survey	Steel Tape		
P	3/18/1939		86.47	6.64	-18.47	1	U.S. Geological Survey	Steel Tape		
P	3/21/1939		86.22	(0.25)	-18.22	1	U.S. Geological Survey	Steel Tape		
P	4/22/1939		88.79	2.57	-20.79	1	U.S. Geological Survey	Steel Tape		
P	5/25/1939		88.07	(0.72)	-20.07	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/22/1939		92.17	4.10	-24.17	1	U.S. Geological Survey	Steel Tape		
P	9/25/1939		97.15	4.98	-29.15	1	U.S. Geological Survey	Steel Tape		
P	2/28/1940		91.13	(6.02)	-23.13	1	U.S. Geological Survey	Steel Tape		
P	5/21/1940		99.36	8.23	-31.36	1	U.S. Geological Survey	Steel Tape		
P	8/23/1940		109.72	10.36	-41.72	1	U.S. Geological Survey	Steel Tape		
P	9/9/1941		114.35	4.63	-46.35	1	U.S. Geological Survey	Steel Tape		
P	3/6/1942		100.25	(14.10)	-32.25	1	U.S. Geological Survey	Steel Tape		
P	9/9/1942		110.28	10.03	-42.28	1	U.S. Geological Survey	Steel Tape		
P	8/24/1943		136.26	25.98	-68.26	1	U.S. Geological Survey	Steel Tape		
P	9/29/1943		122.86	(13.40)	-54.86	1	U.S. Geological Survey	Steel Tape		
P	12/4/1943		120.22	(2.64)	-52.22	1	U.S. Geological Survey	Steel Tape		
P	1/22/1944		112.19	(8.03)	-44.19	1	U.S. Geological Survey	Steel Tape		
P	5/16/1944		118.03	5.84	-50.03	1	U.S. Geological Survey	Steel Tape		
P	7/17/1944		126.15	8.12	-58.15	1	U.S. Geological Survey	Steel Tape		
P	7/28/1944		131.84	5.69	-63.84	1	U.S. Geological Survey	Steel Tape		
P	9/8/1944		124	(7.84)	-56	1	U.S. Geological Survey	Steel Tape		
P	12/9/1944		122.38	(1.62)	-54.38	1	U.S. Geological Survey	Steel Tape		
P	1/25/1945		123.41	1.03	-55.41	1	U.S. Geological Survey	Steel Tape		
P	3/22/1945		126.74	3.33	-58.74	1	U.S. Geological Survey	Steel Tape		
P	6/20/1945		143.08	16.34	-75.08	1	U.S. Geological Survey	Steel Tape		
P	11/14/1945		149.38	6.30	-81.38	1	U.S. Geological Survey	Steel Tape		
P	2/5/1946		145.41	(3.97)	-77.41	1	U.S. Geological Survey	Steel Tape		
P	3/16/1946		143.6	(1.81)	-75.6	1	U.S. Geological Survey	Steel Tape		
P	5/19/1946		147.26	3.66	-79.26	1	U.S. Geological Survey	Steel Tape		
P	7/13/1946		149.88	2.62	-81.88	1	U.S. Geological Survey	Steel Tape		
P	9/6/1946		157.79	7.91	-89.79	1	U.S. Geological Survey	Steel Tape		
P	11/15/1946		156.98	(0.81)	-88.98	1	U.S. Geological Survey	Steel Tape		
P	12/2/1946		156.24	(0.74)	-88.24	1	U.S. Geological Survey	Steel Tape		
P	2/3/1947		154.9	(1.34)	-86.9	1	U.S. Geological Survey	Steel Tape		
P	3/8/1947		153.07	(1.83)	-85.07	1	U.S. Geological Survey	Steel Tape		
P	6/3/1947		156.09	3.02	-88.09	1	U.S. Geological Survey	Steel Tape		
P	8/21/1947		170.26	14.17	-102.26	1	U.S. Geological Survey	Steel Tape		
P	9/18/1947		168.8	(1.46)	-100.8	1	U.S. Geological Survey	Steel Tape		
P	12/8/1947		163.23	(5.57)	-95.23	1	U.S. Geological Survey	Steel Tape		
P	2/4/1948		163.35	0.12	-95.35	1	U.S. Geological Survey	Steel Tape		
P	6/10/1948		171.8	8.45	-103.8	1	U.S. Geological Survey	Steel Tape		
P	9/17/1948		179.8	8.00	-111.8	1	U.S. Geological Survey	Steel Tape		
P	12/10/1948		174.53	(5.27)	-106.53	1	U.S. Geological Survey	Steel Tape		
P	2/7/1949		174.2	(0.33)	-106.2	1	U.S. Geological Survey	Steel Tape		
P	6/8/1949		183.05	8.85	-115.05	1	U.S. Geological Survey	Steel Tape		
P	9/14/1949		190.1	7.05	-122.1	1	U.S. Geological Survey	Steel Tape		
P	12/15/1949		184.49	(5.61)	-116.49	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/9/1950		174.49	(10.00)	-106.49	1	U.S. Geological Survey	Steel Tape		
P	6/8/1950		176.27	1.78	-108.27	1	U.S. Geological Survey	Steel Tape		
P	9/20/1950		189.32	13.05	-121.32	1	U.S. Geological Survey	Steel Tape		
P	12/5/1950		183.69	(5.63)	-115.69	1	U.S. Geological Survey	Steel Tape		
P	2/16/1951		197.37	13.68	-129.37	1	U.S. Geological Survey	Steel Tape		
P	6/12/1951		201.3	3.93	-133.3	1	U.S. Geological Survey	Steel Tape		
P	9/11/1951		203.22	1.92	-135.22	1	U.S. Geological Survey	Steel Tape		
P	12/10/1951		190.45	(12.77)	-122.45	1	U.S. Geological Survey	Steel Tape		
P	2/29/1952		188	(2.45)	-120	1	U.S. Geological Survey	Steel Tape		
P	6/13/1952		201.41	13.41	-133.41	1	U.S. Geological Survey	Steel Tape		
P	9/10/1952		219.85	18.44	-151.85	1	U.S. Geological Survey	Steel Tape		
P	12/17/1952		214.62	(5.23)	-146.62	1	U.S. Geological Survey	Steel Tape		
P	6/11/1953		226.8	12.18	-158.8	1	U.S. Geological Survey	Steel Tape		
P	9/25/1953		235.24	8.44	-167.24	1	U.S. Geological Survey	Steel Tape		
P	12/8/1953		219.5	(15.74)	-151.5	1	U.S. Geological Survey	Steel Tape		
P	2/11/1954		215.52	(3.98)	-147.52	1	U.S. Geological Survey	Steel Tape		
P	6/16/1954		226.62	11.10	-158.62	1	U.S. Geological Survey	Steel Tape		
P	12/29/1954		221.03	(5.59)	-153.03	1	U.S. Geological Survey	Steel Tape		
P	3/8/1955		222.84	1.81	-154.84	1	U.S. Geological Survey	Steel Tape		
P	6/10/1955		224.47	1.63	-156.47	1	U.S. Geological Survey	Steel Tape		
P	10/4/1955		225.39	0.92	-157.39	1	U.S. Geological Survey	Steel Tape		
P	12/8/1955		218.76	(6.63)	-150.76	1	U.S. Geological Survey	Steel Tape		
P	3/8/1956		218.6	(0.16)	-150.6	1	U.S. Geological Survey	Steel Tape		
P	6/8/1956		229.69	11.09	-161.69	1	U.S. Geological Survey	Steel Tape		
P	9/17/1956		246.3	16.61	-178.3	1	U.S. Geological Survey	Steel Tape		
P	12/17/1956		234.66	(11.64)	-166.66	1	U.S. Geological Survey	Steel Tape		
P	2/27/1957		228.46	(6.20)	-160.46	1	U.S. Geological Survey	Steel Tape		
P	6/17/1957		223.56	(4.90)	-155.56	1	U.S. Geological Survey	Steel Tape		
P	9/9/1957		238.28	14.72	-170.28	1	U.S. Geological Survey	Steel Tape		
P	12/17/1957		215.91	(22.37)	-147.91	1	U.S. Geological Survey	Steel Tape		
P	3/4/1958		215.27	(0.64)	-147.27	1	U.S. Geological Survey	Steel Tape		
P	6/9/1958		229.56	14.29	-161.56	1	U.S. Geological Survey	Steel Tape		
P	9/12/1958		235.79	6.23	-167.79	1	U.S. Geological Survey	Steel Tape		
P	12/10/1958		223.17	(12.62)	-155.17	1	U.S. Geological Survey	Steel Tape		
P	2/10/1959		215.11	(8.06)	-147.11	1	U.S. Geological Survey	Steel Tape		
P	6/8/1959		221.81	6.70	-153.81	1	U.S. Geological Survey	Steel Tape		
P	9/16/1959		229.08	7.27	-161.08	1	U.S. Geological Survey	Steel Tape		
P	12/16/1959		226.07	(3.01)	-158.07	1	U.S. Geological Survey	Steel Tape		
P	2/18/1960		217.36	(8.71)	-149.36	1	U.S. Geological Survey	Steel Tape		
P	6/17/1960		236.4	19.04	-168.4	1	U.S. Geological Survey	Steel Tape		
P	9/12/1960		231.48	(4.92)	-163.48	1	U.S. Geological Survey	Steel Tape		
P	2/10/1961		221.44	(10.04)	-153.44	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-614

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/13/1961		238.67	17.23	-170.67	1	U.S. Geological Survey	Steel Tape		
P	9/18/1961		230.52	(8.15)	-162.52	1	U.S. Geological Survey	Steel Tape		
P	6/13/1962		236.68	6.16	-168.68	1	U.S. Geological Survey	Steel Tape		
P	9/19/1962		254.8	18.12	-186.8	1	U.S. Geological Survey	Steel Tape		
P	3/7/1963		247.17	(7.63)	-179.17	1	U.S. Geological Survey	Steel Tape		
P	6/13/1963		258.2	11.03	-190.2	1	U.S. Geological Survey	Steel Tape		
P	9/9/1964		278.4	20.20	-210.4	1	U.S. Geological Survey	Steel Tape		
P	3/1/1965		269.75	(8.65)	-201.75	1	U.S. Geological Survey	Steel Tape		
P	9/21/1965		295.19	25.44	-227.19	1	U.S. Geological Survey	Steel Tape		
P	2/10/1966		281.26	(13.93)	-213.26	1	U.S. Geological Survey	Steel Tape		
P	2/20/1967		288.06	6.80	-220.06	1	U.S. Geological Survey	Steel Tape		
P	9/12/1967		314.2	26.14	-246.2	1	U.S. Geological Survey	Steel Tape		
P	2/12/1968		303.1	(11.10)	-235.1	1	U.S. Geological Survey	Steel Tape		
P	3/7/1969		298.03	(5.07)	-230.03	1	U.S. Geological Survey	Steel Tape		
P	2/16/1970		309.22	11.19	-241.22	1	U.S. Geological Survey	Steel Tape		
P	2/11/1971		327.91	18.69	-259.91	1	U.S. Geological Survey	Steel Tape		
P	1/24/1972		335.43	7.52	-267.43	1	U.S. Geological Survey	Steel Tape		
P	1/30/1973		336.48	1.05	-268.48	1	U.S. Geological Survey	Steel Tape		
P	2/21/1974		330.14	(6.34)	-262.14	1	U.S. Geological Survey	Steel Tape		
P	2/6/1975		332.2	2.06	-264.2	2	U.S. Geological Survey	Steel Tape		
P	2/4/1976		325.21	(6.99)	-257.21	2	U.S. Geological Survey	Steel Tape		
P	2/8/1977		347.54	22.33	-279.54	2	U.S. Geological Survey	Steel Tape		
P	1/5/1978		349.51	1.97	-281.51	1	U.S. Geological Survey	Steel Tape		
P	1/12/1979		358.24	8.73	-290.24	1	U.S. Geological Survey	Steel Tape		
P	1/7/1980		353.75	(4.49)	-285.75	1	U.S. Geological Survey	Steel Tape		
P	2/20/1981		350.2	(3.55)	-282.2	1	U.S. Geological Survey	Steel Tape		
P	1/14/1982		355.88	5.68	-287.88	1	U.S. Geological Survey	Steel Tape		
P	1/10/1983		369.35	13.47	-301.35	1	U.S. Geological Survey	Steel Tape		
P	1/4/1984		339.6	(29.75)	-271.6	1	U.S. Geological Survey	Steel Tape		
P	1/8/1985		330.98	(8.62)	-262.98	1	U.S. Geological Survey	Steel Tape		
P	1/17/1986		346.32	15.34	-278.32	1	U.S. Geological Survey	Steel Tape		
P	1/20/1987		339.83	(6.49)	-271.83	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 618 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 40 Longitude - 95 24 51 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Garden Oaks

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1939 Depth - 411 ft. Source of Depth - R Altitude - 67 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 13 618

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-618

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513618
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.811389
Latitude (degrees minutes seconds)	29° 48' 41" N
Longitude (decimal degrees)	-95.414445
Longitude (degrees minutes seconds)	095° 24' 52" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	411
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Garden Oaks
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/24/1997
Last Update Date	9/24/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 619 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 40 Longitude - 95 24 51 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Garden Oaks #1

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1937 Depth - 300 ft. Source of Depth - Altitude - 76 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS
Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
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17		
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19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 13 619

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-619

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513619
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.811389
Latitude (degrees minutes seconds)	29° 48' 41" N
Longitude (decimal degrees)	-95.414445
Longitude (degrees minutes seconds)	095° 24' 52" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	76
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	300
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1937
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Garden Oaks #1
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G1010013LV
Groundwater Conservation District Well Number	
Owner Well Number	Garden Oaks #1
Other Well Number	1413 in M-133
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/24/1997
Last Update Date	9/24/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-620

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by Gene McAdoo N.A. Rose 1941 — Source of data File — Date 1-19-68 — Map 1:24000 Houston Heights 195

State Texas [48] — County (or town) Harris [LJ]

Latitude: 29 49 05 N (deg, min, sec) — Longitude: 095 24 50 (degrees, min, sec) — Sequential number: 1

Lat-long accuracy: 1 — T. ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-13-620 — Other number: B & M No. X2 1414

Local use: — Owner or name: City of Houston

Owner or name: CITY OF HOUSTON — Address: Garden Oaks, #2 Fire station

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — Caved 1967 — U

Use of well: (A) Annde, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — U

DATA AVAILABLE: Well data 2 — Freq. W/L meas.: Quarterly 1940 – 1967 [Q] — Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: Dec. 1944 [Φ] — Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-Log (T-11) D log 0-925' — ED

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 834 ft [834] — Meas. rept accuracy Driller — 3

Depth cased: (first perf.) 362 ft [362] — Casing type: S; Diam. 13 3/8 - 7 in [13]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) tranching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: Aug 1940 [940] — Pump intake setting: ___ ft

Driller: Layne Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T — Deep Shallow — D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 75 — V — Trans. or meter no.

Descrip. MP ___ ft above below LSD, Alt. MP

Alt. LSD: 76 [76] — Accuracy: (source) Topo 5' — 3

Water Level 91 ft above below MP; Ft above below LSD [91] — Accuracy: rept Driller — D

Date meas: 10-3-40 [040] — Yield: 1120 gpm [1120] — Method determined R

Drawdown: 73 ft [73] — Accuracy: rept — Pumping period ___ hrs

QUALITY OF WATER DATA: Iron ___ ppm — Sulfate ___ ppm — Chloride ___ ppm — Hard. ___ ppm

Sp. Conduct ___ K x 10^6 — Temp. ___ °F — Date sampled

Taste, color, etc.

Well No. LJ-65-13-620

Well No. LJ-65-13-620

Latitude-longitude 29 49 05 (N) S 095 24 50.1
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain [C 3] (20–21) Section: West

GCP [F] (22) Drainage Basin: [T 1 R] (23–25) Subbasin: [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [ ] (27)

MAJOR AQUIFER: system, series [Q] (28–29) aquifer, formation, group [C] (30–31)

Lithology: [ ] (32–33) Origin: [ ] (34) Aquifer Thickness: ft

[ ] (35–37) Length of well open to: 212' ft [2 1 2] (38–40) Depth to top of: ft [ ] (41–43)

MINOR AQUIFER: system, series [T] (44–45) aquifer, formation, group [E] (46–47)

Lithology: [ ] (48–49) Origin: [ ] (50) Aquifer Thickness: ft

[ ] (51–53) Length of well open to: ft [ ] (54–56) Depth to top of: ft [ ] (57–59)

Intervals Screened: 362-426 (64); 540-584 (44); 682-766 (84); 794-814 (20).

Depth to consolidated rock: ft [ ] (60–63) Source of data: [ ] (64)

Depth to basement: ft [ ] (65–68) Source of data: [ ] (69)

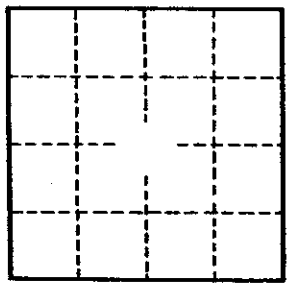
Surficial material: [ ] (70–71) Infiltration characteristics: [ ] (72)

Coefficient Trans: gpd/ft [ ] (73–75) Coefficient Storage: [ ] (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: [ ] (79)

Caved?
Called #1 by City of Houston 8/22/68
#2 w 65-13-501

352' of 13" csg
482' of 7" csg



Well No. LJ-65-13-620

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-620

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513620
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.811389
Latitude (degrees minutes seconds)	29° 48' 41" N
Longitude (decimal degrees)	-95.414445
Longitude (degrees minutes seconds)	095° 24' 52" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	76
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	834
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1940
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Garden Oaks #2
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/24/1997
Last Update Date	9/24/1997

Remarks	212 ft of screen between 362 and 814 ft. Reported yield 1120 gpm with 73 ft drawdown when drilled. Test hole drilled to 925 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

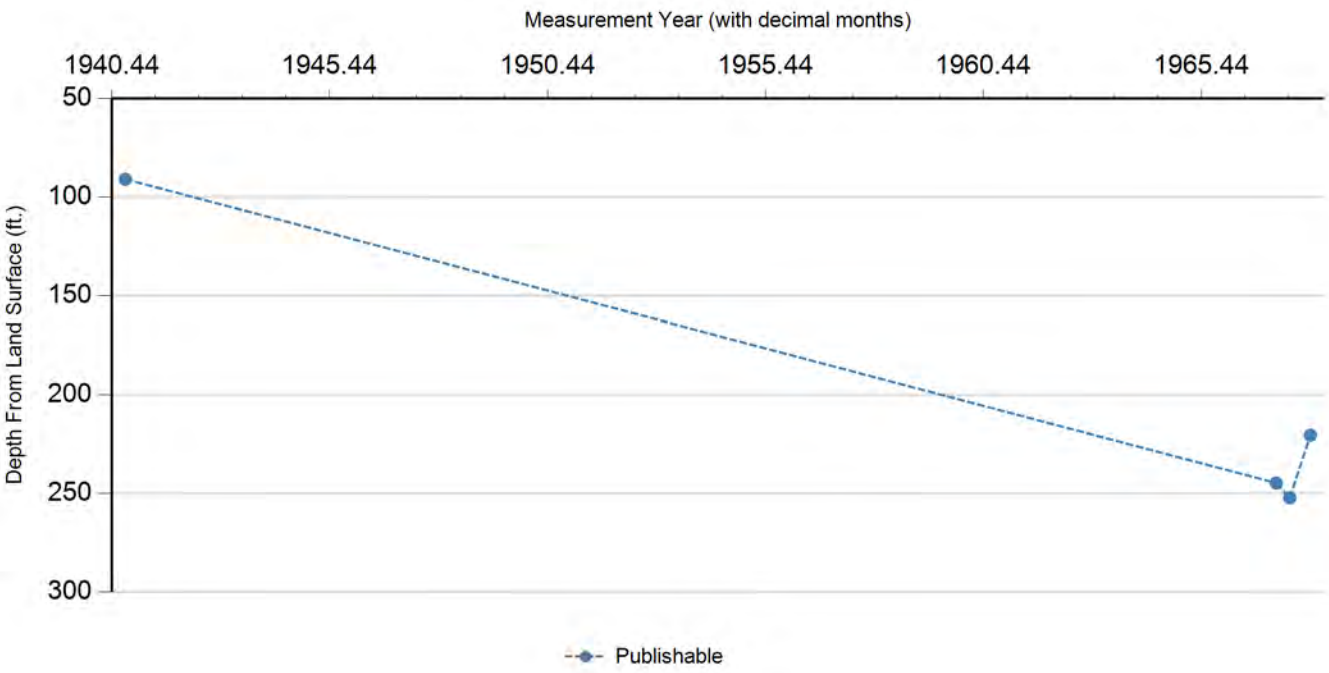
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/3/1940		91		-15	1	Texas Water Development Board	Steel Tape		
P	2/27/1967		244.68	153.68	-168.68	1	U.S. Geological Survey	Steel Tape		
P	6/20/1967		252.21	7.53	-176.21	1	U.S. Geological Survey	Steel Tape		
P	12/13/1967		220.44	(31.77)	-144.44	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-620

Water Quality Analysis

Sample Date: 12/0/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00910	CALCIUM (MG/L)		62	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		57	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		204	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		12	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		5	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		23	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.85		
00932	SODIUM, CALCULATED, PERCENT		22	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		28	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		558	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		304	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6513621 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294731 **Longitude** 952321 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Globe Laundry and Cleaners

Driller
A. Chrysty Kuhlmann

Address _____ **Tenant/Oper.** _____

Date Drilled / /1962 **Depth** 477 **Source of Depth** **Altitude** 58 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1962
-142

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 433 to 476 ft.
Yield: 130 gpm with 43 ft. drawdown when drilled.

Aquifer - 112CHCTL **ID -** 15
CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-621

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513621
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791945
Latitude (degrees minutes seconds)	29° 47' 31" N
Longitude (decimal degrees)	-95.389167
Longitude (degrees minutes seconds)	095° 23' 21" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	58
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	477
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1962
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Globe Laundry and Cleaners
Driller	A. Chrysty Kuhlmann
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 433 to 476 ft. Yield: 130 gpm with 43 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

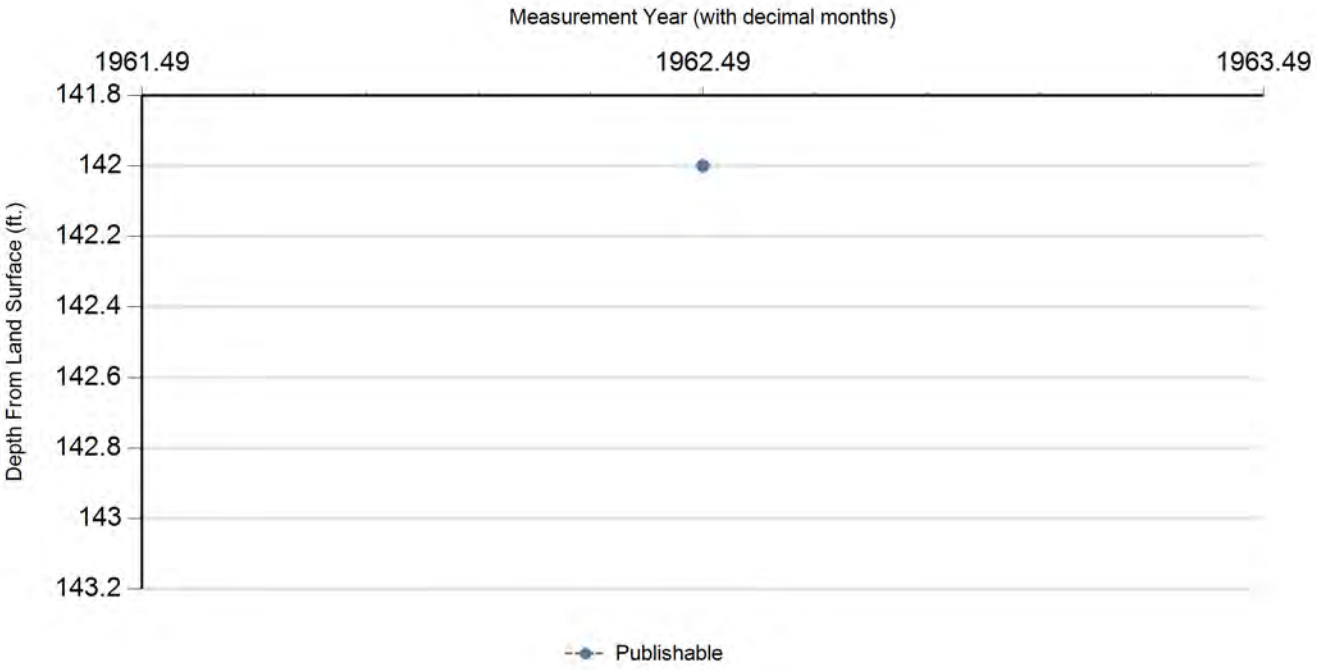
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-621

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1962		142		-84	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

893

Water Quality Analysis - No Data Available

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TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Lower Chicot Project No. _____ State Well No. 65-13-622

_____ Field No./Owner's Well No. _____ County HARRIS

1. Location: ___¼, ___¼, Section ____, Block ____, Survey _____, Lat. _____, Long. _____

2. Owner: Pine Forest Country Club Address: _____

Tenant (other): _____ Address: _____

Driller: Layne Texas Address: _____

3. Land Surface Elevation: 72 ft. above msl determined by _____

4. Drilled: _____ 19 63 ; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 441 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type T

No. Stages _____, Bowls Diam. ____ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel E HP. 25

9. Yield: Flow ____ gpm, Pump ____ gpm, Meas., Rept., Est. ____ Date ____

10. Performance Test: Date 9/2/63 Length of Test ____ Made by L-T

Static Level 185 ft. Pumping Level 202 ft. Drawdown 17 ft.

Production 307 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS ____ Sp Cond ____

Date _____ Laboratory _____ TDS ____ Sp Cond ____

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log, Formation Samples, Geophysical Log(s) _____

CASING, BLANK PIPE & WELL SCREEN
Cemented From ____ ft. to ____ ft.

Diam. (in.)	Type	Setting (feet) from	to
18		0	441

(type)

13. Water Level(s): _____ ft. rept. meas. _____ 19__ above/below _____ which is ____ ft. above/below Land Surface

_____ ft. rept. meas. _____ 19__ above/below _____ which is ____ ft. above/below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., (Irr.), Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

plugged in 1978

17. Location or Sketch:

FORM NO. 20

65-13-9k

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO. 6462
S. O. 2428-63
PAGE 1 OF 1
FILE NO. 2812
DATE 9-9-63

WELL LOG

CUSTOMER LOCATION

FOR PINE FOREST COUNTRY CLUB

LOCATION WELL ADJACENT TO GREEN #16, NEAR ~~LAKE~~ Golf Lake
NEAR SEARS STORE
SURVEY ~~HOUSTON~~ ON North Shepherd FIELD
- Houston

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS

WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
RT C GR
TEST HOLE SIZE 6-3/4" TD 441'
DATE STARTED DRILLING 8-21-63
DATE FINISHED DRILLING 8-22-63
DRILLER C.C. BRYANT RIG NO. 53
TYPE MUD NO. SACKS
ELECTRIC LOG YES TYPE WIDCO
SURVEY TYPE
OTHER

65-13-9k

9K

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		SURFACE			
1	1	SURFACE SOIL			
10	9	SANDY CLAY			
40	30	CLAY			
50	10	CLAY, FEW GRAVEL STREAKS			
104	54	CLAY			
114	10	SANDY CLAY			
161	47	CLAY & SAND BREAKS			
184	23	SANDY CLAY			
254	70	CLAY & SAND BREAKS			
300	46	SAND & STREAKS OF CLAY			
347	47	CLAY & SAND BREAKS			
370	23	SANDY CLAY			
394	24	SAND & GRAVEL			
415	21	SAND & CLAY STREAKS			
417	2	SANDY CLAY			
419	2	ROCK			
441	22	SANDY CLAY & HARD LAYERS			

TOTAL DEPTH 441 FT.

65-12-9k

65-13-622

FORM NO 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

MATERIAL SETTING

REPORT NO. 6463
S. O. 2428-63
PAGE 1 OF 1
FILE NO. 2812
DATE 9-9-63

CUSTOMER LOCATION

FOR PINE FOREST COUNTRY CLUB

LOCATION WELL ADJACENT TO GREEN #16

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS NEAR LAKE

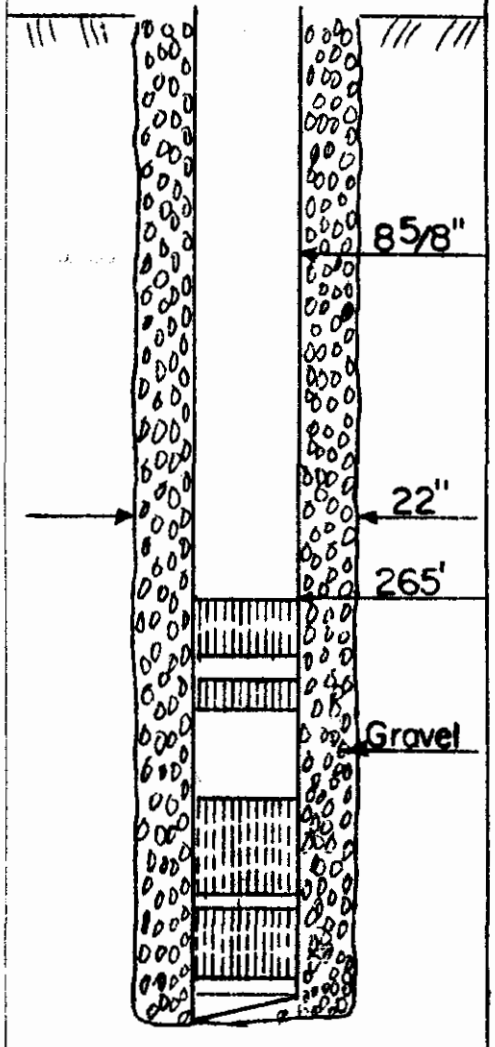
WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
TYPE WELL GRAVEL-WALL
SURFACE CASING CEMENTED No NO. SACKS
SIZE HOLE DRILLED REAMED 22" DEPTH 442'
GRAVEL TYPE 112,13,165 NO. CU. YDS. 50
TYPE SCREEN TORCH SLOTTED GAGE
DRILLER C.M. BRYANT RIG NO. 53
OTHER C.W. BULLER

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL
+2'		8-5/8" O.D. CASING 2' ABOVE GROUND
265'	267'	8-5/8" O.D. CASING
290'	25'	8-5/8" O.D. TORCH SLOTTED PIPE
300'	10'	8-5/8" O.D. BLANK
310'	10'	8-5/8" O.D. TORCH SLOTTED PIPE
350'	40'	8-5/8" O.D. BLANK PIPE
400'	50'	8-5/8" O.D. TORCH SLOTTED PIPE
405'	5'	8-5/8" O.D. BLANK PIPE
436'	31'	8-5/8" O.D. TORCH SLOTTED PIPE
440'	4'	8-5/8" O.D. BLANK PIPE
442'	2'	8-5/8" O.D. SET NIPPLE & B.P.V.

TOTAL DEPTH 442 FT.

SKETCH



Attach:
2 pages
1 Log
65-13-9B

65-13-9B
65-13-622

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 6464
S. O 2428-63
PAGE 1 OF 1
FILE NO. 2812
DATE 9-9-63

CUSTOMER LOCATION

TEST FOR PINE FOREST COUNTRY CLUB

LOCATION OF WELL ADJACENT TO #16 GREEN

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

DESCRIPTION OF LAND MARKS NEAR LAKE

WELL DATA

NAME WELL WELL NO 1

ELEVATION DATUM

WELL SIZE x 8-5/8" x22" REAMED

TOTAL DEPTH 442' TOP SCREEN 265'

GRAVEL WELL YES STRAIGHT WELL

TYPE SCREEN TORCH SLOTTED GAGE

TEMPERATURE OF WATER

WATER CONDITION CLEAR

WATER MEASURING DEVICE

ORIFICE SIZE 6"x4" LENGTH 4'

OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 290'

LENGTH AIR LINE 290' SIZE 1/4"

TYPE BOWL RKLC 8" NO. STAGES 7

LENGTH BOWL 5' SUCTION LT. 0

SAND CONTENT 0 OZ. PER 100 GAL

WATER SAMPLE TAKEN No NO SAMPLES

BACTERIOLOGICAL SAMPLE TAKEN

DRAWDOWN SPECIFIC CAPACITY

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN.	188 FT.	20 MIN.	188 FT.
10 MIN.	188 FT.	25 MIN.	188 FT.
15 MIN.	188 FT.	30 MIN	188 FT.

S.L. BEFORE START 185 FT.

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
9-2-63	STARTED TEST AT 7:30 A.M.							
8:00	90	200	0	22	299			
9:00	89	201		22	299			
10:00	88	202		23.5	307			
11:00	88	202		23.5	307			
12:00 N	88	202		23.5	307			
1:00 PM	88	202		23.5	307			
2:00	88	202		23.5	307			
3:00	88	202		23.5	307			

OBSERVERS

FOR OWNER

C. W. BULLER
FOR LAYNE TEXAS CO.

65-13-96

FORM NO. 25 -

65-13-622

FORM NO. 1-102

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO. 6463
S. O. 2428-63
PAGE 1 OF 1
FILE NO. 2812
DATE 9-9-63

MATERIAL SETTING

CUSTOMER LOCATION

FOR PINE FOREST COUNTRY CLUB

LOCATION WELL ADJACENT TO GREEN #16

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS NEAR LAKE

WELL DATA

NAME WELL WELL NO. 1

ELEVATION DATUM

TYPE WELL GRAVEL-WALL

SURFACE CASING CEMENTED No NO. SACKS

SIZE HOLE UNDERREAMED 22" DEPTH 442'

GRAVEL TYPE 112, 13, 165 NO. CU. YDS. 50

TYPE SCREEN TORCH SLOTTED GAGE

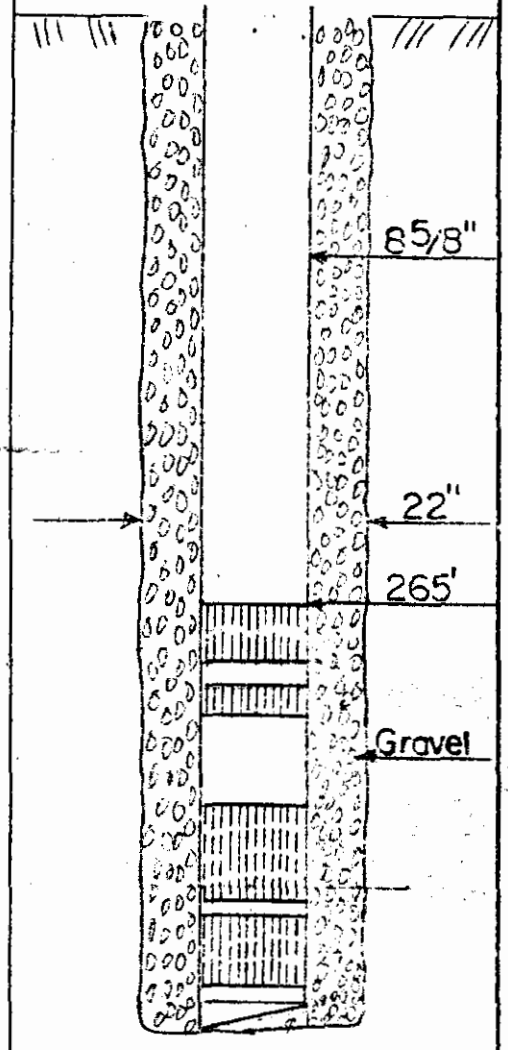
DRILLER C.M. BRYANT RIG NO. 53

OTHER C.W. BULLER

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL
+2'		8-5/8" O.D. CASING 2' ABOVE GROUND
265'	267'	8-5/8" O.D. CASING
290'	25'	8-5/8" O.D. TORCH SLOTTED PIPE
300'	10'	8-5/8" O.D. BLANK
310'	10'	8-5/8" O.D. TORCH SLOTTED PIPE
350'	40'	8-5/8" O.D. BLANK PIPE
400'	50'	8-5/8" O.D. TORCH SLOTTED PIPE
405'	5'	8-5/8" O.D. BLANK PIPE
436'	31'	8-5/8" O.D. TORCH SLOTTED PIPE
440'	4'	8-5/8" O.D. BLANK PIPE
442'	2'	8-5/8" O.D. SET NIPPLE & B.P.V.

TOTAL DEPTH 442 FT.

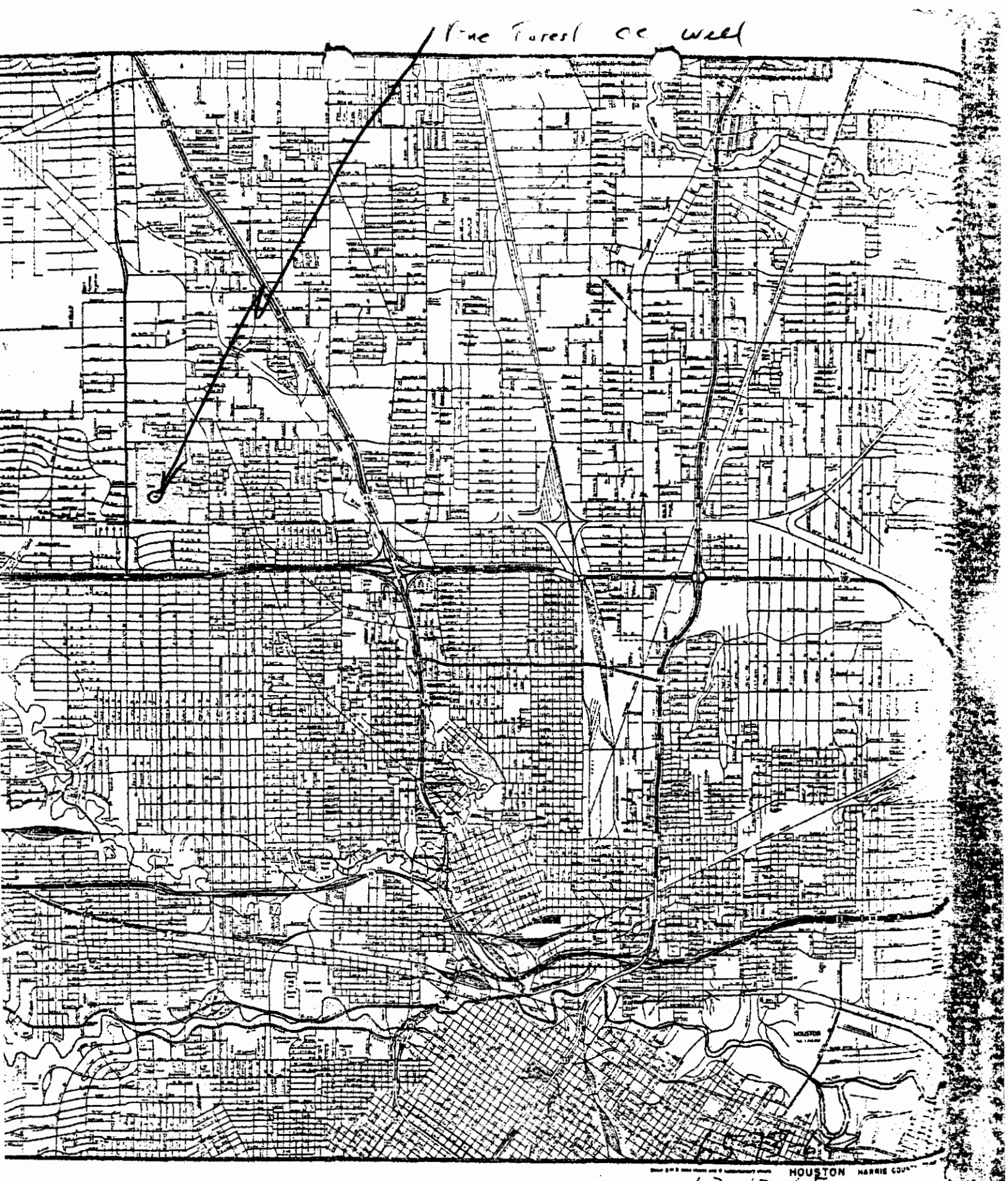
SKETCH



TD 442'

65-13-622

63-13-6F



63-13-6F

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-622

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513622
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.823055
Latitude (degrees minutes seconds)	29° 49' 23" N
Longitude (decimal degrees)	-95.407778
Longitude (degrees minutes seconds)	095° 24' 28" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	72
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	441
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1963
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Irrigation
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Pine Forest Country Club
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	116 ft of slotted casing between 265 and 436 ft. Repored yield 307 gpm with 17 ft drawdown when drilled. Irrigates golf greens.

Casing - No Data

Well Tests - No Data

Lithology - No Data

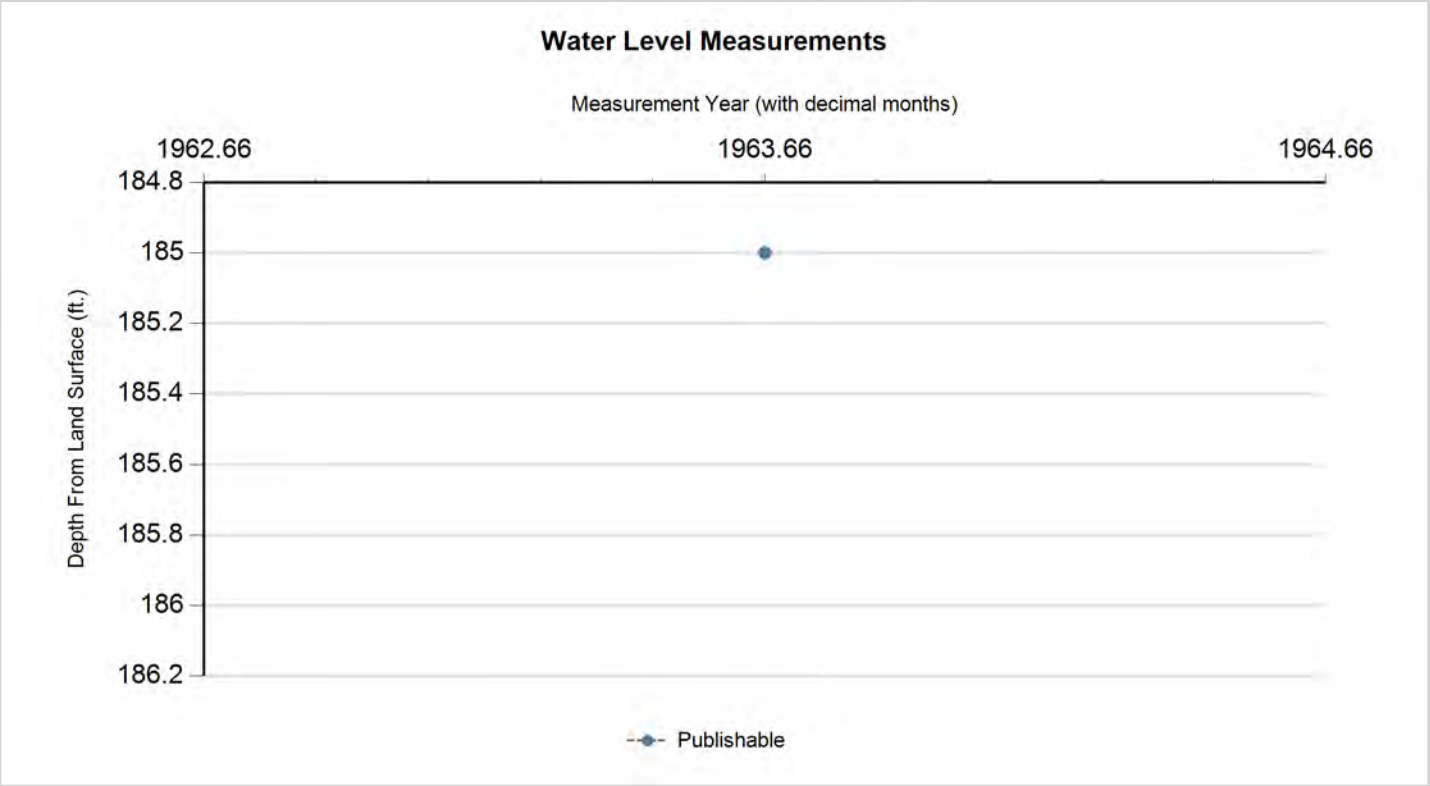
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/2/1963		185		-113	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-622

Water Quality Analysis

Sample Date: 6/23/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		100	ug/L	
00910	CALCIUM (MG/L)		67	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		212	mg/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		21	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.98		
00932	SODIUM, CALCULATED, PERCENT		25	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		33	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		559	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		314	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6513623 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294807 **Longitude** 952358 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Heights Savings Assoc.

Driller
Lowry Water Wells

Address _____ **Tenant/Oper.** _____

Date Drilled / /1961 **Depth** 286 **Source of Depth** **Altitude** 64 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** DOMESTIC **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1961
-138

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 272 to 284 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-623

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513623
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.801945
Latitude (degrees minutes seconds)	29° 48' 07" N
Longitude (decimal degrees)	-95.399445
Longitude (degrees minutes seconds)	095° 23' 58" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	286
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1961
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Heights Savings Assoc.
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 272 to 284 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

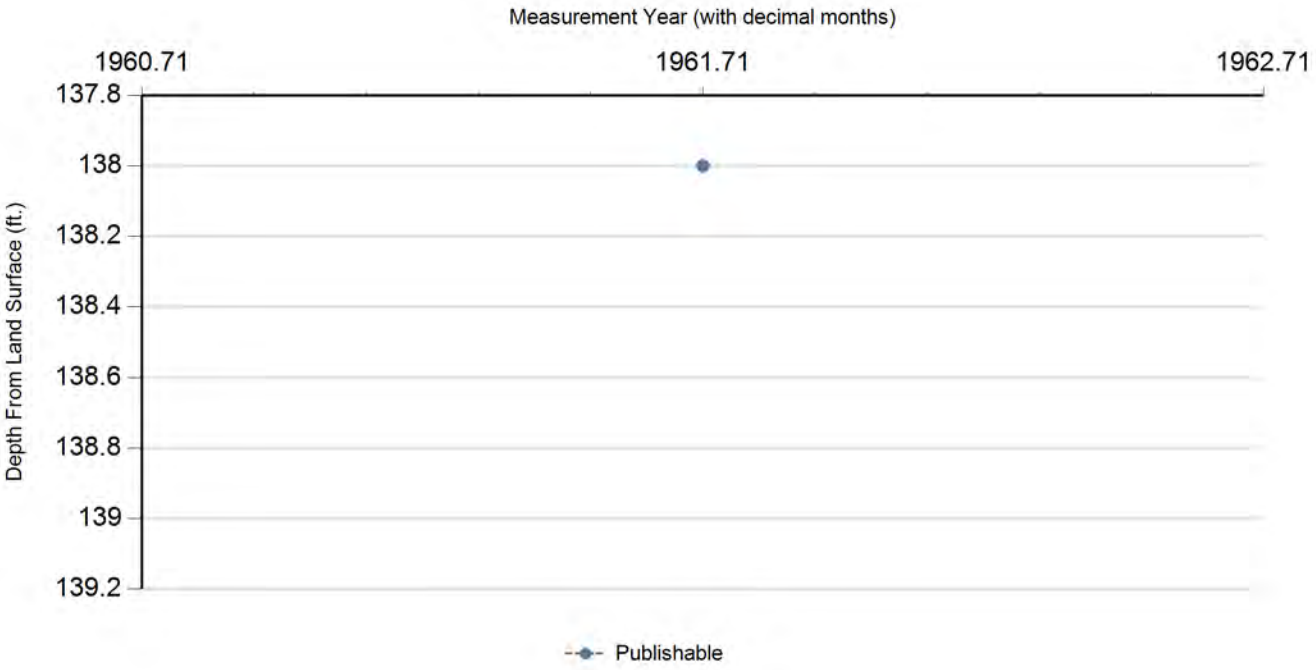
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-623

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/19/1961		138		-74	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-623

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-624

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by McAdoo Gebrysch 1967 Source of data File Date 2-16-68 Map 1:24000 Houston Heights 1955

State Texas 16 [48] County (or town) Harris 24 [LJ]

Latitude: [29 48 12 N] deg min sec Longitude: [095 24 16] degrees min sec Sequential number: [1]

Lat-long accuracy: [1] T. ____ N S. ____ R ____ E W. Sec ____, ____ k, ____ k, ____ k ____

Local well number: [LJ-65-13-624] Other number: B & M #17

Local use: ____ Owner or name: city of Houston

Owner or name: [CITY OF HOUSTON] Address: Heights Plant In pumping plant yard

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (S) Destroyed [W]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1965 Annual [S] Field aquifer char. [ ]

Hyd. lab. data: ____ [ ]

Qual. water data; type: ____ [ ]

Freq. sampling: 3-12-65 [A] Pumpage inventory: yes no; period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: E-Log T-54 [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1730 ft [1730] Meas. (app) Driller accuracy [3]

Depth cased: (first perf.) 620 ft [620] Casing type: S; Diam. 24-12 3/4 in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other ____ [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (X) other ____ [H]

Date Drilled: Feb 1965 [965] Pump intake setting: ____ ft [ ]

Driller: Katy Drlg Co. (name), Katy, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) nose, (P) piston, (R) rot, (S) submerg, (T) turb, (X) other [T] Deep Shallow [D]

Power (type): diesel, (elec) nat gas, gasoline, hand, LP gas, wind; H.P. 300 [5] Trans. or meter no. ____

Descrip. MP Breather Hole +3.5 ft above below LSD. Alt. MP ____

Alt. LSD: 67 [67] Accuracy: (source) Topo 5' [3]

Water Level 287.27 ft above (below) MP; ____ Ft above below LSD [285] Accuracy: Meas [A]

Date meas: 3-12-65 [365] Yield: 3146 gpm [3146] Method determined [4]

Drawdown: 100 ft [106] Accuracy: Meas [0] Pumping period 48 hrs [48]

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-13-624

PL 380, 61 I
25'1.37
1/8/34

Well No. LJ-65-13-624

Latitude-longitude 29 d 48 m 12 s 095 d 24 m 16 s .1

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) | Physiographic Province: Coastal Plain [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [5 1 R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (B) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31)

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 412 ft [4 1 2] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: # 620 - 1720. 53. screen.

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

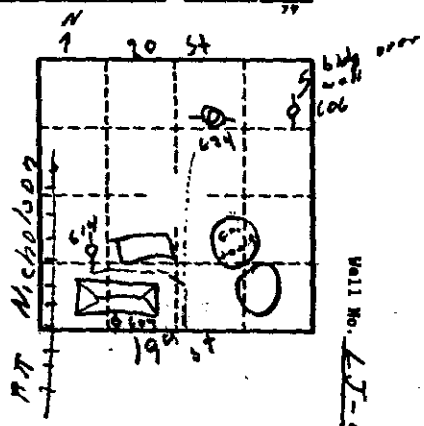
Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

Screen;

620 - 658.9 40
684.6 - 714.6 30
784.4 - 824.4 40
870.6 - 900.6 30
975.2 - 1000.2 25
1015.5 - 1045.4 30
1065.3 - 1100.3 35
1105.6 - 1131.2 26
1150.5 - 1170.5 20
1200.6 - 1240.4 40
1347.2 - 1366.3 19
1420.9 - 1446.0 26
1620.8 - 1660.8 40
1705.0 - 1720. 15
416

TD = 1730

CSG:
24" 0-540
13" 498-1730



GPO 857-700

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020970

Latitude ° ' "	Longitude ° ' "	Seq. No.
294812	095241	601

County code 201 County HARRIS

Well # LJ-65-13-624

Project number 7-4648-01000

Date 2-8-77 Time ____ Temp°C 27.0

Owner City of Houston

Address Heights #17

Date drld 1965 WBF code 121 EVGL

Sample interval: (top) 620 (bottom) 1720

Water level ____ Appr Clear Use PS

Collector Peters Yield — GPM

Smpld aftr pmpg ____ Depth ____

Pt of coll Tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule ____

Other I

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294812095241601 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6200	03	
Sample interval BOTTOM	72016	1720	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7800	01		7.8
Specific conductance	00095	7200	03		720
HCO_3	00440	3320	03		332
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6500	02		65
Sulfate (SO_4)	00945	6400	01		6.4
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

TX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017559

Latitude ° ' " 29 48 12 | Longitude ° ' " 095 24 16 | Seq. No. 01

County code 201 County Harris

Well # CJ-65-13-624

Project number 4648-01000

Date 2-4-76 Time ____ Temp°C 27.5

Owner City of Houston

Address Heights #17

Date drld — WBF code 121EVGL

Sample interval: (top) 620 (bottom) 1720

Water level ____ Appr clear Use PS

Collector Kuttel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform | Phenols | Minors

Nutrients | MBAS | BOD | TOC | DOC

Std chem schedule ____

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) | Station identification number 29481209524160 1 (2–16)

Y M D: 76 02 01 (17–22) Begin | Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval Top	72015	6200	03	
Sample interval BOTTOM	72016	1720	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		27.5
pH	00400	7900	01		7.9
Specific conductance	00095	7110	03		711
HCO_3	00440	3260	03		326
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6300	02		63
Sulfate (SO_4)	00945	9200	01		9.2
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

411

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

015479

Latitude ° ' "	Longitude ° ' "	Seq. No.
94812	0952416	1

County code 201 County HARRIS

Well # LJ-65-13-624

Project number 564801000

Date 4-15-75 Time ____ Temp°C 28.0

Owner City of Houston

Address HEIGHTS No. 17

Date drld 2-65 WBF code 112 Evgl

Sample interval: (top) 620 (bottom) 1720

Water level ____ Appr ____ Use P.S.

Collector Vaught Yield ____ GPM

Smpld aftr pmpg ____ Depth ____

Pt of coll Faucet on side of pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294812095241601 (2–16)

Y M D 75 04 15 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval	72015	6200	03	
Sample interval BOTTOM	72016	1720	04	

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2800	02		28.0
pH	00400	7500	01		7.5
Specific conductance	00095	7140	03		714
HCO_3	00440	3190	03		319
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6900	02 (up 6)		69
Sulfate (SO_4)	00945	8000	01		8.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Water Commission
Austin, Texas

010981

Latitude ° ' " 29 48 12 | Longitude ° ' " 095 24 16 | Seq. No. 01

County code 101 County HARRIS

Well # LJ-65-13-624

Project number T-4648-01000

Date 9-17-76 Time 0745 Temp °C 2

Owner City of Houston

Address Heights #17

Date drld — WBF code 121 Eval

Sample interval: (top) 620 (bottom) 1720

Water level — Appr Clear Use PS

Collector BEZANT Yield — GPM

Smpld aftr pmpg on ARRIVAL Depth —

Pt of coll TAP ON DISCHARGE

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule L

Other

Herbicide Insecticide

Remarks:

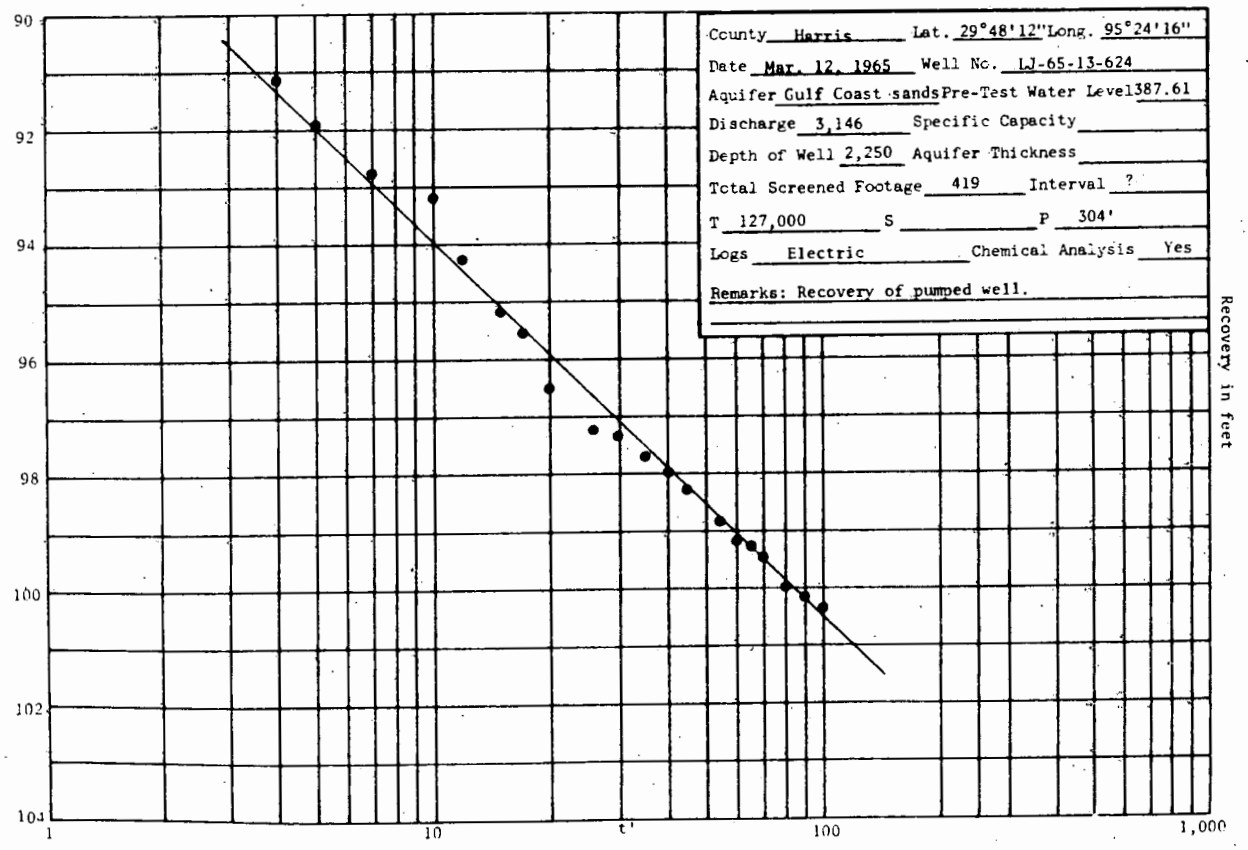
Type 2 | Station identification number 29481209524160 1

Y M D: 76 09 17 (Begin 17–22)

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6200	03	
Sample interval BOTTOM	72016	1720	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010				
pH	00400	7800	01		7.8
Specific conductance	00095	7190	03		719
HCO_3	00440	3320	03		332
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6600	02		66
Sulfate (SO_4)	00945	5600	01		5.6
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				


County Harris Lat. 29°48'12" Long. 95°24'16"
Date Mar. 12, 1965 Well No. LJ-65-13-624
Aquifer Gulf Coast sands Pre-Test Water Level 387.61
Discharge 3,146 Specific Capacity
Depth of Well 2,250 Aquifer Thickness
Total Screened Footage 419 Interval ?
T 127,000 S P 304'
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
90
92
94
96
98
100
102
104
1
10
t'
100
1,000
Recovery in feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-624

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513624
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.803612
Latitude (degrees minutes seconds)	29° 48' 13" N
Longitude (decimal degrees)	-95.404723
Longitude (degrees minutes seconds)	095° 24' 17" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1730
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	2/0/1965
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Heights #17
Driller	Katy Drilling
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/16/1969
Last Update Date	7/12/2010

Remarks	Reported yield 3146 GPM in 1965. Aquifer test results in TWDB R-98. No test data in TWDB files. Histor- ical observation well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	590
12	Blank	Steel			498	620
12	Screen	Steel			620	658
12	Blank	Steel			658	684
12	Screen	Steel			684	714
12	Blank	Steel			714	784
12	Screen	Steel			784	824
12	Blank	Steel			824	870
12	Screen	Steel			870	900
12	Blank	Steel			900	975
12	Screen	Steel			975	1000
12	Blank	Steel			1000	1015
12	Screen	Steel			1015	1045
12	Blank	Steel			1045	1065
12	Screen	Steel			1065	1100
12	Blank	Steel			1100	1105
12	Screen	Steel			1105	1131
12	Blank	Steel			1131	1150
12	Screen	Steel			1150	1170
12	Blank	Steel			1170	1200
12	Screen	Steel			1200	1240
12	Blank	Steel			1240	1347
12	Screen	Steel			1347	1366
12	Blank	Steel			1366	1420
12	Screen	Steel			1420	1446
12	Blank	Steel			1446	1620
12	Screen	Steel			1620	1660
12	Blank	Steel			1660	1705
12	Screen	Steel			1705	1720
12	Blank	Steel			1720	1730

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

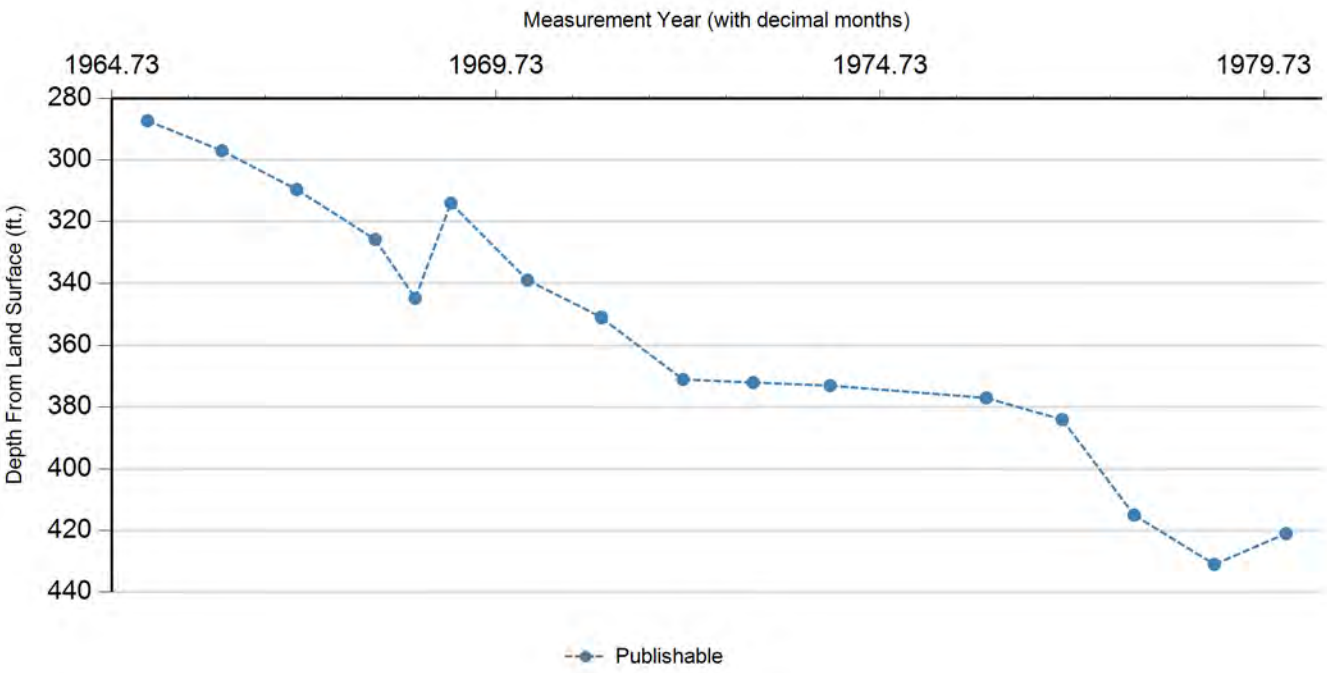
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/12/1965		287.27		-220.27	2	U.S. Geological Survey	Steel Tape		
P	3/1/1966		297	9.73	-230	2	U.S. Geological Survey	Air Line		
P	2/21/1967		309.57	12.57	-242.57	1	U.S. Geological Survey	Steel Tape		
P	2/29/1968		325.8	16.23	-258.8	1	U.S. Geological Survey	Steel Tape		
P	9/10/1968		344.86	19.06	-277.86	1	U.S. Geological Survey	Steel Tape		
P	2/24/1969		314	(30.86)	-247	1	U.S. Geological Survey	Air Line		
P	2/23/1970		339	25.00	-272	1	U.S. Geological Survey	Air Line		
P	2/9/1971		351	12.00	-284	1	U.S. Geological Survey	Air Line		
P	3/2/1972		371	20.00	-304	1	U.S. Geological Survey	Air Line		
P	1/31/1973		372	1.00	-305	1	U.S. Geological Survey	Air Line		
P	2/1/1974		373	1.00	-306	1	U.S. Geological Survey	Air Line		
P	2/13/1976		377	4.00	-310	2	U.S. Geological Survey	Air Line		
P	2/9/1977		384.03	7.03	-317.03	2	U.S. Geological Survey	Steel Tape		
P	1/16/1978		415	30.97	-348	1	U.S. Geological Survey	Steel Tape		
P	2/2/1979		431	16.00	-364	1	U.S. Geological Survey	Air Line		
P	1/8/1980		421	(10.00)	-354	1	U.S. Geological Survey	Air Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 3/12/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		200	ug/L	
00910	CALCIUM (MG/L)		20	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		71	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.99		
00955	SILICA, DISSOLVED (MG/L AS SI02)		17	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.58		
00932	SODIUM, CALCULATED, PERCENT		79	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		127	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		674	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		392	mg/L	

Water Quality Analysis

Sample Date: 3/21/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		676	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/10/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		681	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/27/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		72	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		700	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/17/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		72	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		701	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/16/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		694	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/11/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		699	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/28/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		703	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/30/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		696	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 4/15/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		261.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		319	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		714	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/4/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		711	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/17/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		719	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	

Water Quality Analysis

Sample Date: 2/8/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		720	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		736	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-624

Water Quality Analysis

Sample Date: 2/22/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		778	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6513625 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacintc River **Zone** 1 **Latitude** 294819 **Longitude** 952406 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
National Forge Co.

Driller
American Drilling

Address _____ **Tenant/Oper.** _____

Date Drilled 01/08/1969 **Depth** 410 **Source of Depth** D **Altitude** 67 **Source of Alt.** M

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -** 20

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** N **Logs -** D **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** 11/03/1998

Reporting Agency 02

REMARKS -

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-625

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513625
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.805278
Latitude (degrees minutes seconds)	29° 48' 19" N
Longitude (decimal degrees)	-95.401667
Longitude (degrees minutes seconds)	095° 24' 06" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	410
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	1/8/1969
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	National Forge Co.
Driller	American Drilling
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	11/3/1998
Last Update Date	1/6/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Evangeline Project No. _____ State Well No. 65-13-626

_____ Field No./Owner's Well No. 6A County HARRIS

1. Location: ___ ¼, ___ ¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: City of Houston Address: _____

Tenant (other): Heights Address: _____

Driller: Layne Western Address: _____

3. Land Surface Elevation: 68 ft. above msl determined by _____

4. Drilled: 4 19 82; Dug, Cable Tool (Rotary) Air, _____

5. Depth: Rept. 1455 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, (Gravel Packed)

7. Pump: Mfr. _____ Type T

No. Stages _____, Bowls Diam. ___ in., Setting 580 ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel E HP. _____

9. Yield: Flow ___ gpm, Pump ___ gpm, Meas., Rept., Est. ___ Date ___

10. Performance Test: Date 6/82 Length of Test 2 days Made by L-W

Static Level 400 ft. Pumping Level 456 ft. Drawdown ___ ft.

Production 2000 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS ___ Sp Cond ___

Date _____ Laboratory _____ TDS ___ Sp Cond ___

12. Other data available (as circled): Pumping Test, Power & Yield Test, (Drillers Log)

Formation Samples, Geophysical Log(s) _____ (type)

CASING, BLANK PIPE & WELL SCREEN Cemented From 0 ft. to 665 ft.

Diam. (in.)	Type	Setting (feet) from	to
24	Steel	0	655
18	Steel	555	665
18	screen	665	818
14	steel	818	860
14	screen	860	1440
14	steel	1440	1455

13. Water Level(s): 391.00 ft. rept. meas. 1/10 19 83 above/below _____ which is ___ ft. above/below Land Surface

_____ ft. rept. meas. _____ 19 ___ above/below _____ which is ___ ft. above/below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

17. Location or Sketch:

TDWR-0308

W/L Obs. Well ✓ W/Q Obs. Well ___

State Well No. 65-13-626

HOUSTON
WEST
PLACE

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-13-605
Located on map Yes
Received: e.f.s.

1) OWNER City of Houston (Name) Address P. O. Box 1562 (Street or RFD) Houston (City) Texas (State) 77001 (Zip)

2) LOCATION OF WELL: County Harris 4 miles in N.N.W. (N.E., S.W., etc.) direction from City Hall (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines
50' N. of Heights No. 6, Well No. 65-13-605
☒ See attached map.

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☒ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:

Date drilled 4-82

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
0	Surface	2000
30	0	655
34	655	1455

From (ft.)	To (ft.)	Description and color of formation material
		Heights Well No. 6A
		See Attached

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☒ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Pecked give interval . . . from 655 ft. to 1455 ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing	Gage Screen
24	N	Steel	0	655	.500	
18	N	Steel	555	838	.375	
14	N	Steel	838	1455	.375	
18	N	SSWW Screen H. Smith	665	818		.035
		Net length 129'				
14	N	SSWW Screen H. Smith	860	1440		.035
		Net length 290'				

CEMENTING DATA
Cemented from 0 ft. to 655 ft.
Method used Thru drill pipe
Cemented by Halliburton (Company or Individual)

RECEIVED
JUN 28 1982
DEPT. OF WATER RESOURCES

9) WATER LEVEL:
Stetic level 400 ft. below land surface Date 6-82
Artesian flow none gpm. Date _____

10) PACKERS: Type Depth
None

11) TYPE PUMP:
☒ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 580 ft.

(Use reverse side if necessary) 21 - 15

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strate _____
Was a chemical analysis made? ☒ Yes ☐ No

12) WELL TESTS:
☐ Type Test: ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 2,000 gpm with 456 ft. drawdown after 48 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore Road (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

(Signed) James O'Connor (Water Well Driller) Layne-Western Company, Inc. (Company Name)

Attach electric log, chemical analysis, and other pertinent information, if available.

DEPARTMENT OF WATER RESOURCES COPY

65-13-626 CB

Layne-Western Company, Inc. A Marley Company

P.O. Box 79009 • Houston, Texas 77279 • 713/466-5001

DRILLER'S LOG

Job M-1291
Layne-Western Company, Inc.
March 1982

Well Number - Heights 6A
City of Houston

0 - 33	-	Sand and Clay
33	-	Clay
50	-	Sand
57	-	Clay
71	-	Sand
74	-	Clay and Sand St.
82	-	Sand
86	-	Clay and Sand St.
104	-	Clay
120	-	Sand and Clay St.
124	-	Clay
132	-	Sand
170	-	Clay
229	-	Sand
238	-	Clay
241	-	Sand
257	-	Clay
281	-	Sand
322	-	Clay
348	-	Clay
365	-	Sand and Clay
380	-	Clay
395	-	Sand
398	-	Clay
440	-	Sand
448	-	Clay and Sand Strks.
450	-	Clay
498	-	Clay and Sand Strks.
505	-	Clay
520	-	Sand and Clay
540	-	Clay
550	-	Clay Sand Strks.
560	-	Clay
600	-	Sand
610	-	Clay and Sand Stk.
621	-	Clay
665	-	Sand
695	-	Sand and Clay
738	-	Clay
775	-	Sand
813	-	Clay
830	-	Clay and Sand Stks.
860	-	Sand and Clay Stks.
880	-	Clay
940	-	Sand and Clay Stks.
1027	-	Clay
1032	-	Sand and Clay Stks.
1041	-	Clay
1066	-	Sand and Clay Stks.
1085	-	Sandy Clay
1120	-	Clay
1130	-	Sand and Clay Stks.
1161	-	Clay
1180	-	Sand and Clay with St. Hard St
1200	-	Clay and Sand Strk.
1230	-	Sand Clay Strks.
1250	-	Clay
1343	-	Sand and Clay Stk.
1354	-	Clay
1415	-	Sand
1432	-	Clay
1682	-	Sand and Clay Stk.
1715	-	Clay
1752	-	Sand and Clay Stks.
1763	-	Clay and Sand Stk.
1787	-	Clay
2000	-	Clay - T.D.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-626

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513626
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.810278
Latitude (degrees minutes seconds)	29° 48' 37" N
Longitude (decimal degrees)	-95.405556
Longitude (degrees minutes seconds)	095° 24' 20" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1231
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	3/0/1982
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston, Heights, well #6A
Driller	Layne Western
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	Owner Heights well #6. Reported yield 2000 gpm with 56 ft drawdown.

Casing - No Data

Well Tests - No Data

Lithology - No Data

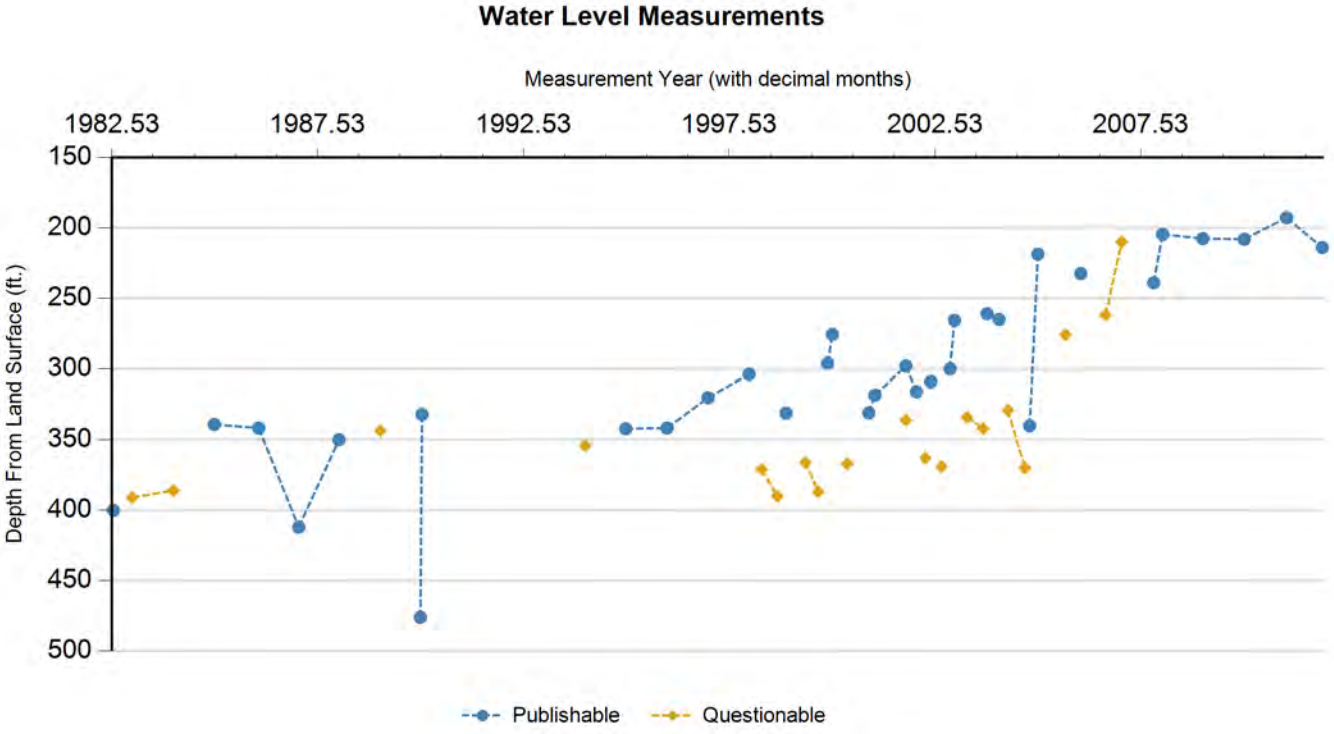
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/0/1982		400		-332	1	Registered Water Well Driller	Unknown		
Q	1/10/1983		391	(9.00)	-323	1	U.S. Geological Survey	Air Line	4	
Q	1/10/1984		386	(5.00)	-318	1	U.S. Geological Survey	Air Line	4	
P	1/8/1985		339.15	(46.85)	-271.15	1	U.S. Geological Survey	Steel Tape		
P	2/7/1986		341.67	2.52	-273.67	1	U.S. Geological Survey	Steel Tape		
P	1/27/1987		412	70.33	-344	1	U.S. Geological Survey	Unknown		
P	1/19/1988		349.95	(62.05)	-281.95	1	U.S. Geological Survey	Unknown		
Q	1/23/1989		343.59	(6.36)	-275.59	1	U.S. Geological Survey	Unknown	4	
P	1/11/1990		476	132.41	-408	1	U.S. Geological Survey	Air Line		
P	1/25/1990		331.99	(144.01)	-263.99	1	U.S. Geological Survey	Steel Tape		
Q	1/12/1994		354.22	22.23	-286.22	1	U.S. Geological Survey	Steel Tape	4	
P	1/7/1995		342.15	(12.07)	-274.15	1	U.S. Geological Survey	Steel Tape		
P	1/8/1996		341.68	(0.47)	-273.68	1	U.S. Geological Survey	Steel Tape		
P	1/6/1997		320.26	(21.42)	-252.26	1	U.S. Geological Survey	Steel Tape		
P	1/5/1998		303.79	(16.47)	-235.79	1	U.S. Geological Survey	Steel Tape		
P	1/5/1998		305	1.21	-237	2	U.S. Geological Survey	Air Line		
Q	4/28/1998		371	66.00	-303	1	U.S. Geological Survey	Air Line	2	
Q	9/16/1998		390	19.00	-322	1	U.S. Geological Survey	Air Line	2	
P	12/3/1998		331	(59.00)	-263	1	U.S. Geological Survey	Air Line		
Q	5/19/1999		366	35.00	-298	1	U.S. Geological Survey	Air Line	2	
Q	9/15/1999		387	21.00	-319	1	U.S. Geological Survey	Air Line	2	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-626

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/7/1999		296	(91.00)	-228	1	U.S. Geological Survey	Air Line		
P	1/14/2000		275.64	(20.36)	-207.64	1	U.S. Geological Survey	Steel Tape		
P	1/14/2000		276	0.36	-208	2	U.S. Geological Survey	Air Line		
Q	5/24/2000		367	91.00	-299	1	U.S. Geological Survey	Air Line	2	
P	12/7/2000		331	(36.00)	-263	1	U.S. Geological Survey	Air Line		
P	1/26/2001		318.45	(12.55)	-250.45	1	U.S. Geological Survey	Steel Tape		
P	11/1/2001		298	(20.45)	-230	1	U.S. Geological Survey	Air Line		
Q	11/1/2001		336	38.00	-268	2	U.S. Geological Survey	Air Line	2	
P	1/29/2002		316.01	(19.99)	-248.01	1	U.S. Geological Survey	Steel Tape		
Q	4/17/2002		363	46.99	-295	1	U.S. Geological Survey	Air Line	2	
P	6/7/2002		309	(54.00)	-241	1	U.S. Geological Survey	Air Line		
Q	9/11/2002		369	60.00	-301	1	U.S. Geological Survey	Air Line	2	
P	11/27/2002		300	(69.00)	-232	1	U.S. Geological Survey	Steel Tape		
P	1/2/2003		265.64	(34.36)	-197.64	1	U.S. Geological Survey	Steel Tape		
Q	4/23/2003		334	68.36	-266	1	U.S. Geological Survey	Steel Tape	2	
Q	9/15/2003		342	8.00	-274	1	U.S. Geological Survey	Steel Tape	2	
P	10/21/2003		261	(81.00)	-193	1	U.S. Geological Survey	Steel Tape		
P	2/2/2004		265	4.00	-197	1	U.S. Geological Survey	Steel Tape		
Q	4/21/2004		329	64.00	-261	1	U.S. Geological Survey	Steel Tape	2	
Q	9/21/2004		370	41.00	-302	1	U.S. Geological Survey	Steel Tape	2	
P	11/4/2004		340	(30.00)	-272	1	U.S. Geological Survey	Air Line		
P	1/11/2005		218.73	(121.27)	-150.73	1	U.S. Geological Survey	Steel Tape		
Q	9/16/2005		276	57.27	-208	1	U.S. Geological Survey	Air Line	2	
P	1/26/2006		232.47	(43.53)	-164.47	1	U.S. Geological Survey	Steel Tape		
Q	9/6/2006		262	29.53	-194	1	U.S. Geological Survey	Air Line	2	
Q	1/24/2007		209.98	(52.02)	-141.98	1	U.S. Geological Survey	Steel Tape	4	
P	11/8/2007		239	29.02	-171	1	U.S. Geological Survey	Air Line		
P	1/22/2008		204.64	(34.36)	-136.64	1	U.S. Geological Survey	Steel Tape		
P	1/13/2009		207.68	3.04	-139.68	1	U.S. Geological Survey	Steel Tape		
P	1/15/2010		208.1	0.42	-140.1	1	U.S. Geological Survey	Steel Tape		
P	1/26/2011		192.84	(15.26)	-124.84	1	U.S. Geological Survey	Steel Tape		
P	12/13/2011		214	21.16	-146	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 9/1/1993 **Sample Time:** 1445 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		521	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/20/1994 **Sample Time:** 1300 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/13/1995 **Sample Time:** 1455 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: U S G S Water-Data R. TX-95-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		495	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/19/1996 **Sample Time:** 0950 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water Data Rtp. TX-96-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/8/1997 **Sample Time:** 1440 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		488	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-626

Water Quality Analysis

Sample Date: 9/16/1998 **Sample Time:** 1015 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water-Data Report TX-98-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		494	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 627 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 53 Longitude - 95 24 22 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston,
Heights, well #7A

Driller - Layen Western

Address _____ Tenant/Oper. _____
Date Drilled - 09/ /1979 Depth - 1,465 ft. Source of Depth - D Altitude - 69 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- C Quality- Y Logs- Other Data-

WATER LEVELS Date- 11/30/1981 Measurement- -360.00
Date- 01/23/2001 Measurement- -311.38

Recorded By _____ Date Record Collected or Updated- 12/ /1988

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -
Owner Heights, well #7-A. Reported
yield 2100 gpm with 68 ft drawdown.

Aquifer - 121EVGL
Well No. - 65 13 627

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-627

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513627
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.798056
Latitude (degrees minutes seconds)	29° 47' 53" N
Longitude (decimal degrees)	-95.406112
Longitude (degrees minutes seconds)	095° 24' 22" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	69
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1465
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	9/0/1979
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston, Heights, well #7A
Driller	Layen Western
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	Owner Heights, well #7-A. Reported yield 2100 gpm with 68 ft drawdown.

Casing - No Data

Well Tests - No Data

Lithology - No Data

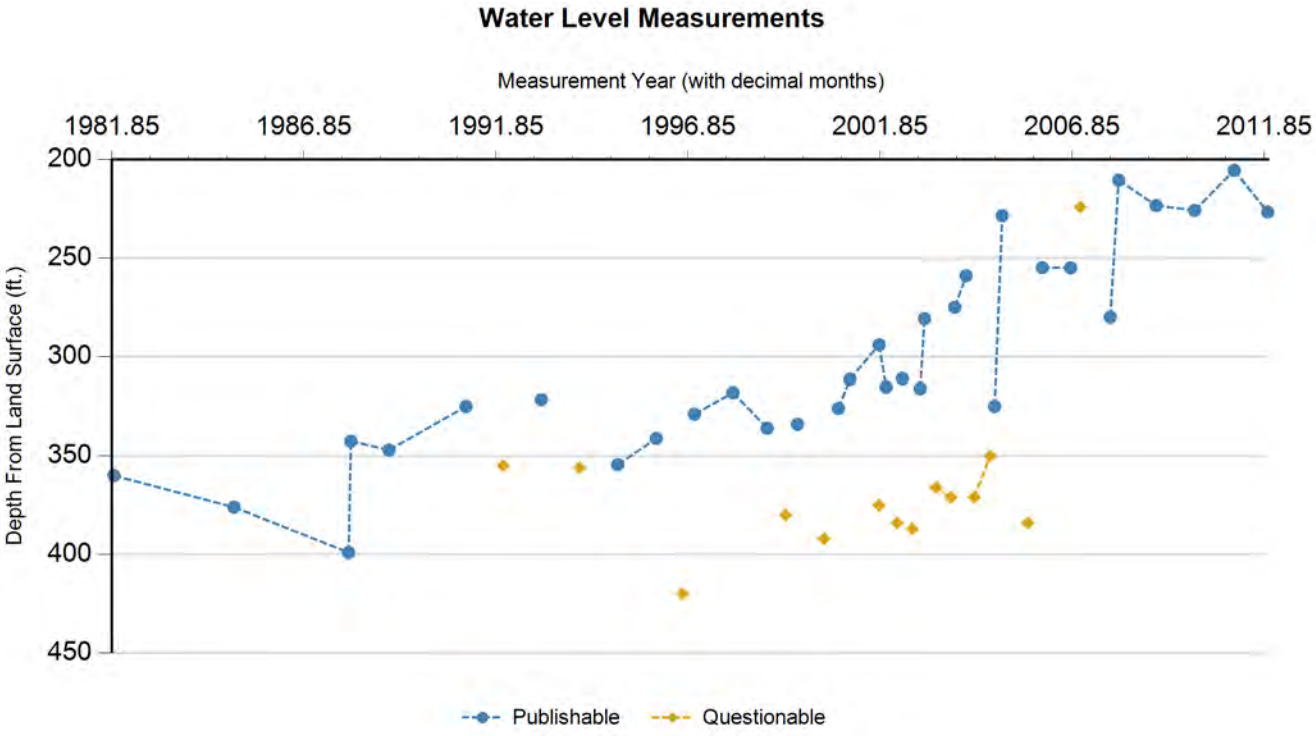
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/30/1981		360		-291	1	U.S. Geological Survey	Steel Tape		
P	1/10/1985		376	16.00	-307	1	U.S. Geological Survey	Unknown		
P	1/6/1988		399	23.00	-330	1	U.S. Geological Survey	Unknown		
P	1/26/1988		342.57	(56.43)	-273.57	1	U.S. Geological Survey	Unknown		
P	1/23/1989		347.02	4.45	-278.02	1	U.S. Geological Survey	Unknown		
P	1/25/1991		325	(22.02)	-256	1	U.S. Geological Survey	Steel Tape		
Q	1/14/1992		355	30.00	-286	1	U.S. Geological Survey	Steel Tape	4	
P	1/11/1993		321.49	(33.51)	-252.49	1	U.S. Geological Survey	Steel Tape		
Q	1/12/1994		356	34.51	-287	1	U.S. Geological Survey	Air Line	4	
P	1/7/1995		354.49	(1.51)	-285.49	1	U.S. Geological Survey	Steel Tape		
P	1/9/1996		341.15	(13.34)	-272.15	1	U.S. Geological Survey	Steel Tape		
Q	9/19/1996		420	78.85	-351	1	U.S. Geological Survey	Electric Line	2	
P	1/6/1997		328.89	(91.11)	-259.89	1	U.S. Geological Survey	Steel Tape		
P	1/7/1998		318	(10.89)	-249	1	U.S. Geological Survey	Air Line		
P	1/7/1998		316.08	(1.92)	-247.08	2	U.S. Geological Survey	Steel Tape		
P	12/3/1998		336	19.92	-267	1	U.S. Geological Survey	Air Line		
Q	5/21/1999		380	44.00	-311	1	U.S. Geological Survey	Air Line	2	
P	9/15/1999		334	(46.00)	-265	1	U.S. Geological Survey	Air Line		
Q	5/24/2000		392	58.00	-323	1	U.S. Geological Survey	Air Line	2	
P	10/10/2000		326	(66.00)	-257	1	U.S. Geological Survey	Air Line		
P	1/23/2001		311.38	(14.62)	-242.38	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-627

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/1/2001		294	(17.38)	-225	1	U.S. Geological Survey	Air Line		
Q	11/1/2001		375	81.00	-306	2	U.S. Geological Survey	Air Line	2	
P	1/3/2002		315.25	(59.75)	-246.25	1	U.S. Geological Survey	Steel Tape		
Q	4/17/2002		384	68.75	-315	1	U.S. Geological Survey	Air Line	2	
P	6/7/2002		311	(73.00)	-242	1	U.S. Geological Survey	Air Line		
Q	9/11/2002		387	76.00	-318	1	U.S. Geological Survey	Air Line	2	
P	11/27/2002		316	(71.00)	-247	1	U.S. Geological Survey	Steel Tape		
P	1/2/2003		280.78	(35.22)	-211.78	1	U.S. Geological Survey	Steel Tape		
Q	4/23/2003		366	85.22	-297	1	U.S. Geological Survey	Steel Tape	2	
Q	9/15/2003		371	5.00	-302	1	U.S. Geological Survey	Steel Tape	2	
P	10/21/2003		275	(96.00)	-206	1	U.S. Geological Survey	Steel Tape		
P	2/2/2004		259	(16.00)	-190	1	U.S. Geological Survey	Steel Tape		
Q	4/21/2004		371	112.00	-302	1	U.S. Geological Survey	Steel Tape	2	
Q	9/21/2004		350	(21.00)	-281	1	U.S. Geological Survey	Steel Tape	2	
P	11/4/2004		325	(25.00)	-256	1	U.S. Geological Survey	Air Line		
P	1/11/2005		228.55	(96.45)	-159.55	1	U.S. Geological Survey	Steel Tape		
Q	9/16/2005		384	155.45	-315	1	U.S. Geological Survey	Air Line	2	
P	1/26/2006		254.89	(129.11)	-185.89	1	U.S. Geological Survey	Steel Tape		
P	10/26/2006		255	0.11	-186	1	U.S. Geological Survey	Air Line		
Q	1/24/2007		224.2	(30.80)	-155.2	1	U.S. Geological Survey	Steel Tape	4	
P	11/8/2007		280	55.80	-211	1	U.S. Geological Survey	Air Line		
P	1/22/2008		210.5	(69.50)	-141.5	1	U.S. Geological Survey	Steel Tape		
P	1/13/2009		223.44	12.94	-154.44	1	U.S. Geological Survey	Steel Tape		
P	1/15/2010		225.88	2.44	-156.88	1	U.S. Geological Survey	Steel Tape		
P	1/25/2011		205.56	(20.32)	-136.56	1	U.S. Geological Survey	Steel Tape		
P	12/13/2011		226.68	21.12	-157.68	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 9/1/1993 **Sample Time:** 1400 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		512	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/20/1994 **Sample Time:** 1220 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		509	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/19/1996 **Sample Time:** 0900 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water Data Rpt. TX-96-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/8/1997 **Sample Time:** 1400 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-627

Water Quality Analysis

Sample Date: 9/16/1998 **Sample Time:** 0915 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water-Data Report TX-98-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		515	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-704

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513704
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.773333
Latitude (degrees minutes seconds)	29° 46' 24" N
Longitude (decimal degrees)	-95.466667
Longitude (degrees minutes seconds)	095° 28' 00" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	505
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1953
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Laise
Driller	Briggs Pump Service
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 465 to 505 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

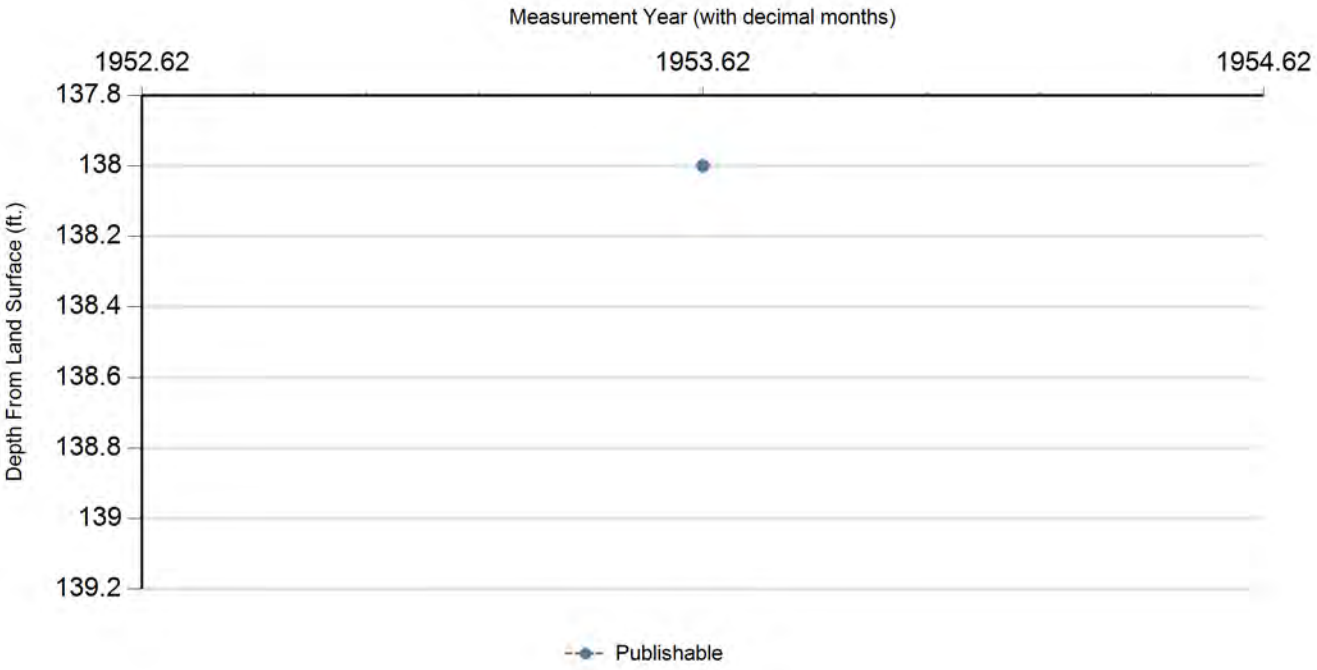
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/17/1953		138		-71	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-708

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513708
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.775833
Latitude (degrees minutes seconds)	29° 46' 33" N
Longitude (decimal degrees)	-95.466389
Longitude (degrees minutes seconds)	095° 27' 59" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	66
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	325
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1950
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	M. R. Sprague
Driller	H. L. Jackson Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 30 ft. of screen between 260 and 325 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

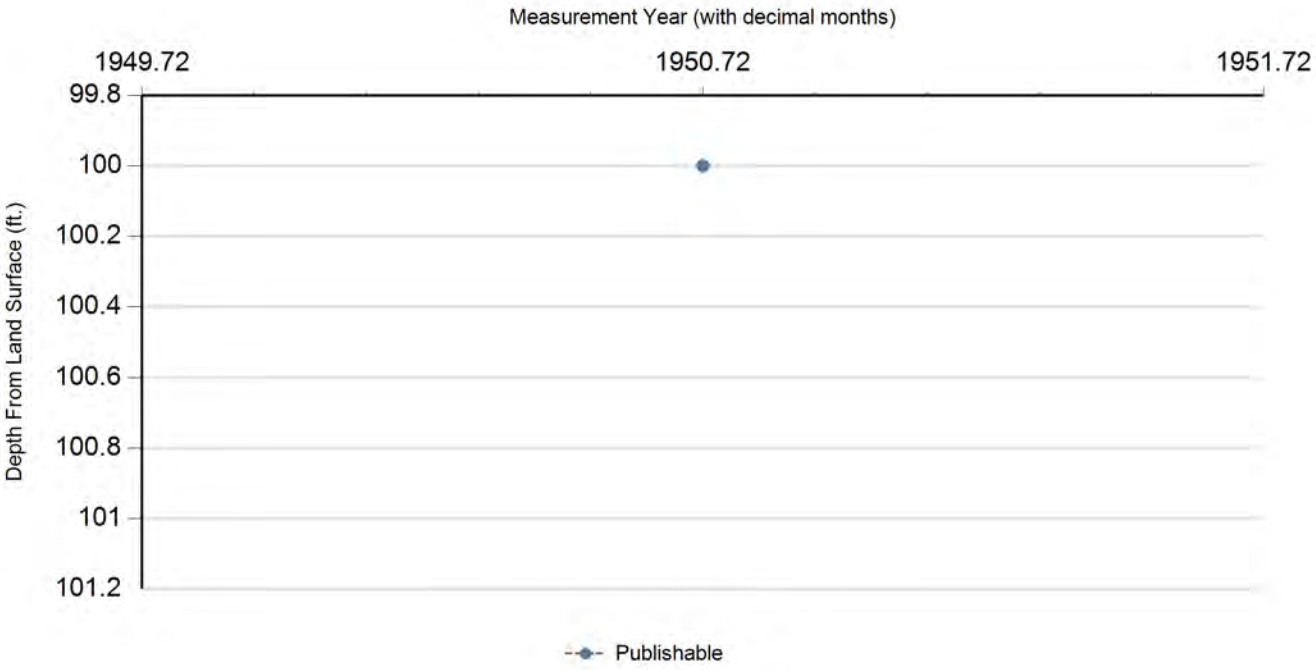
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-708

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/23/1950		100		-34	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-708

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-712

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD C.W. BONNET — 1:24000

Record by N.A. ROSE — Source of data FILE — Date 6-14-68 — Map HOUSTON HEIGHTS 1955

State TEXAS [48] — County (or town) HARRIS [LJ]

Latitude: [2 9 4 7 0 7 N] — Longitude: [0 9 5 2 7 5 8] — Sequential number: [1]

Lat-long accuracy: [1] — T. ____ S, R ____ W, Sec ____, ____ k, ____ k, ____ k ____ B & M

Local well number: [LJ-65-13-712] — Other number: ____

Local use: ____ — Owner or name: CAMERON IRON WORKS

Owner or name: CAMERON IRON CO — Address: WELL #1 HOUSTON, TEXAS

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [N]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mfd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — [N]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — [W]

DATA AVAILABLE: Well data [ ] — Freq. W/L meas.: ____ [0] — Field aquifer char. [ ]

Hyd. lab. data: ____ [ ]

Qual. water data; type: ____ [ ]

Freq. sampling: ____ [ ] — Pumpage inventory: yes / no, period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: D-LOG [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 388 ft [388] Meas. (rept) ____ [3]

Depth cased (first perf.): 273 ft [273] — Casing type: S ; Diam 8 3/8-6 5/8 in accuracy [9]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other ____ [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ [H]

Date Drilled: 2-26-42 [942] — Pump intake setting: ____ ft

Driller: LAYNE-TEXAS Co. (name) — HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other ____ — Deep / Shallow

Power (type): diesel, (elec), nat gas, LP gas, gasoline, hand, wind; H.P. 10 — Trans. or meter no. ____

Descrip. MP ____ ft above/below LSD, Alt. MP ____

Alt. LSD: 77 [77] — Accuracy (source): TOPO 5' [3]

Water Level 55 ft above/below MP; ft above/below LSD [ ] — Accuracy: REPT. [ ]

Date meas: 3-4-42 [342] — Yield: 130 gpm [130] — Method determined [ ]

Drawdown: 35 ft [35] — Accuracy: Rpt. W.D. — Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] — Sulfate ____ ppm [ ] — Chloride ____ ppm [ ] — Hard. ____ ppm [ ]

Sp. Conduct ____ K x 10^6 [ ] — Temp. ____ °F [ ] — Date sampled [ ]

Taste, color, etc. ____

WELL NO. LJ-65-13-712

Well No. LJ-65-13-712

Latitude-longitude 29 47 07 S 95 27 58
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN 0 3 (20–21) Section: _____

F (22) Drainage Basin: _____ S 1 R (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series (28–29) _____ aquifer, formation, group C (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 78 ft (38–40) 7 8 Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: 273 - 331 ; 366 - 386'

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

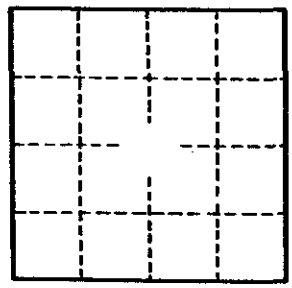
Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

237 - 8 5/8" CSG.



Well No. LJ-65-13-712

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-712

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513712
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.785278
Latitude (degrees minutes seconds)	29° 47' 07" N
Longitude (decimal degrees)	-95.466389
Longitude (degrees minutes seconds)	095° 27' 59" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	77
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	388
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	3/4/1942
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Cameron Iron Works #1
Driller	Layne Texas Co.
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/6/1999
Last Update Date	1/6/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-713

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

Published 1:24000

MASTER CARD

Record by Gene McAdoo Source of data FILE Date 6-11-68 Map HOUSTON HEIGHTS 1955

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 47 07 N Longitude: 095 27 54 Sequential number: 1

Lat-long accuracy: [1] T. ____ S, R ____ W, Sec ____, ____ k, ____ k, ____ k ____ B & M

Local well number: LJ-65-13-713 Other number: ____

Local use: ____ Owner or name: CAMERON IRON WORKS

Owner or name: CAMERON IRON CO Address: WELL #2 HOUSTON, TEXAS

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ [N]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ [N]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Rec, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data [ ] Freq. W/L meas.: ____ [ ] Field aquifer char. [ ]

Hyd. lab. data: ____ [ ]

Qual. water data; type: ____ [ ]

Freq. sampling: ____ [ ] Pumpage inventory: yes / no, period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: ____ [ ]

WELL-DESCRIPTION CARD

[SAME AS ON MASTER CARD] Depth well: ____ ft [ ] Meas. rept accuracy ____ [ ]

Depth cased; (first perf.) ____ ft [ ] Casing type: ____; Diam. ____ in [ ]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other ____ [ ]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ [ ]

Date Drilled: ____ [ ] Pump intake setting: ____ ft [ ]

Driller: ____ (name), ____ (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [ ] Deep Shallow [ ]

Power (type): diesel, elec, gas, gasoline, hand, nat gas, LP gas, wind; H.P. ____ [ ] Trans. or water no. ____

Descrip. MP ____ ft above below LSD, Alt. MP ____

Alt. LSD: 71 [ ] 71 Accuracy: (source) TOPO 5' [3]

Water Level ____ ft above below MP; Ft above below LSD [ ] Accuracy: ____ [ ]

Date meas: ____ [ ] Yield: ____ gpm [ ] Method determined [ ]

Drawdown: ____ ft [ ] Accuracy: ____ [ ] Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] Sulfate ____ ppm [ ] Chloride ____ ppm [ ] Hard. ____ ppm [ ]

Sp. Conduct ____ K x 10^6 [ ] Temp. ____ °F [ ] Date sampled ____ [ ]

Taste, color, etc. ____

Well No. LJ-65-13-713

Well No. LJ-65-13-713

Latitude-longitude 29 47 07 S 95 27 54
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN 0 3 (20–21) Section: _____

F (22) Drainage Basin: _____ 5 1 R (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series (28–29) _____ aquifer, formation, group (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: _____ ft (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: _____

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

Well No. LJ-65-13-713

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-713

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513713
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.785278
Latitude (degrees minutes seconds)	29° 47' 07" N
Longitude (decimal degrees)	-95.465001
Longitude (degrees minutes seconds)	095° 27' 54" W
Coordinate Source	+/- 1 Second
Aquifer Code	UNKNOWN - Aquifer Not Able to be Determined
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	71
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	
Well Depth Source	
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Cameron Iron Works Well #2
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	6/11/1968
Last Update Date	5/6/2010

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No J-65-13-714

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

1:24000

MASTER CARD C.W. BONNET

Record by GABRYSCH Source of data FILE Date 6-11-68 Map HOUSTON HEIGHTS 1955

7-1-63

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 47 13 N Longitude: 095 27 51 Sequential number: 1

Lat-long accuracy: 1 T. ____ S, R ____ W, Sec ____, ____ k, ____ k, ____ k ____ B & M

Local well number: LJ-65-13-714 Other number: ____

Local use: ____ Owner or name: CAMERON IRON WORKS

Owner or name: CAMERON IRON CO Address: WELL #3 HOUSTON, TEXAS

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ [N]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Ind, (N) P S, (P) Rec, (S) Stock, (T) Inactit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ [N]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (Ø) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data ____ Freq. W/L meas.: ____ [P] Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: NONE ____ Pumpage inventory: yes / no, period: ____

Aperture cards: ____ yes

Log data: E-LOG T-26 D-LOG [E D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 992 ft 992 Meas. (rept) DRILLER [3]

Depth cased; (first perf.) 770 ft 770 Casing type: S; Diam. 10 3/4-6 5/8 in accuracy 5 [10]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., screen, (S) sd. pt., (T) shored, (W) open hole, (X) other ____ [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ [H]

Date Drilled: 6-49 9 4 9 Pump intake setting: ____ ft

Driller: LAYNE-TEXAS CO. (name) HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other ____ Deep / Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat LP H.P. ____ Trans. or meter no. ____

Descrip. MP ____ ft above / below LSD, Alt. MP ____

Alt. LSD: 72 72 Accuracy: (source) TOPO 5' [3]

Water Level 140 ft above / below MP; Ft above / below LSD 140 Accuracy: REPT. [D]

Date meas: W.D. 6 4 9 Yield: 225-317 gpm ____ Method determined ____

PL 175' Drawdown: 35 ft 35 Accuracy: REPT. 3 Pumping period 5 hrs ____ [5]

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-13-714

Well No. LJ-65-13-714

Latitude-longitude 29 47 13 / 95 27 51 (d m s / d m s)

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1, 19) Physiographic Province: COASTAL PLAIN [03] (20, 21) Section: _____

[F] (22) Drainage Basin: _____ [51R] (23, 25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28, 29) _____ aquifer, formation, group [E] (30, 31) ✓

Lithology: _____ [ ] (32, 33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35, 37) Length of well open to: 60 ft [60] (38, 40) Depth to top of: _____ ft [ ] (41, 43)

MINOR AQUIFER: _____ system, _____ series [ ] (44, 45) _____ aquifer, formation, group [ ] (46, 47)

Lithology: _____ [ ] (48, 49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51, 53) Length of well open to: _____ ft [ ] (54, 56) Depth to top of: _____ ft [ ] (57, 59)

Intervals Screened: 770-790; 875-885; 920-940; 980-990 ✓

Depth to consolidated rock: _____ ft [ ] (60, 63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65, 68) Source of data: _____ [ ] (69)

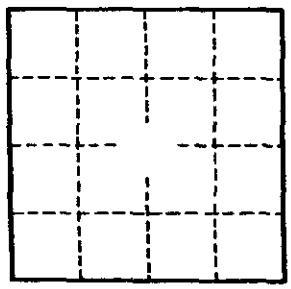
Surficial material: _____ [ ] (70, 71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73, 75) Coefficient Storage: _____ [ ] (76, 78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

760' - 10 3/4" CSG,

660-992' - 6 5/8" CSG,



Well No. LJ-65-13-714

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-714

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513714
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.787222
Latitude (degrees minutes seconds)	29° 47' 14" N
Longitude (decimal degrees)	-95.464445
Longitude (degrees minutes seconds)	095° 27' 52" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	72
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	992
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/0/1949
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Cameron Iron Works #3
Driller	Layne Texas Co.
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/6/1999
Last Update Date	1/6/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 717 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 09 Longitude - 95 27 44 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Cooper Industries
Cameron FRGD Div.

Driller - Texas Water Wells

Address _____ Tenant/Oper. _____
Date Drilled - / /1960 Depth - 1,568 ft. Source of Depth - Altitude - 72 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 130710

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 125

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- Y Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To

1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19|

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -
176 ft of screen between 970 and
1565 ft. Reported yield 750 gpm
with 50 ft drawdown when drilled.

Aquifer - 121EVGL
Well No. - 65 13 717

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-717

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513717
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.786111
Latitude (degrees minutes seconds)	29° 47' 10" N
Longitude (decimal degrees)	-95.462501
Longitude (degrees minutes seconds)	095° 27' 45" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	72
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1568
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1960
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Cooper Industries Cameron FRGD Div.
Driller	Texas Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/26/1997
Last Update Date	9/26/1997

Remarks	176 ft of screen between 970 and 1565 ft. Reported yield 750 gpm with 50 ft drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 9/27/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		227	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		277	mg/L	
00910	CALCIUM (MG/L)		23	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.5	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
00920	MAGNESIUM (MG/L)		8	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.73		
00955	SILICA, DISSOLVED (MG/L AS SI02)		17	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		4.53		
00932	SODIUM, CALCULATED, PERCENT		70	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		99	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		608	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		341	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-721

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513721
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.780278
Latitude (degrees minutes seconds)	29° 46' 49" N
Longitude (decimal degrees)	-95.462501
Longitude (degrees minutes seconds)	095° 27' 45" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	69
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	293
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1929
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	W. T. Carter, Jr.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 41 ft. of screen between 225 and 274 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

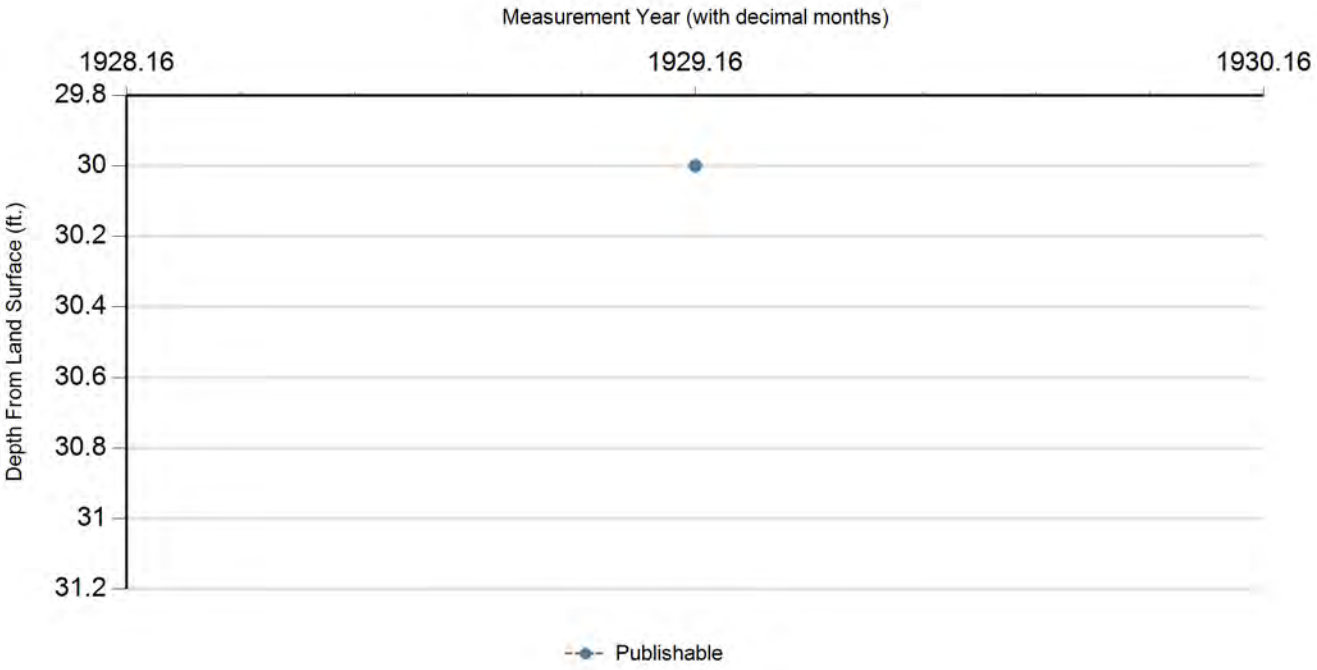
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1929		30		39	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 722 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 23 Longitude - 95 27 34 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - H. C. Weiss Driller - Layne Texas Co.

Address _____ Tenant/Oper. _____
Date Drilled - / /1930 Depth - 173 ft. Source of Depth - Altitude - 68 ft. Source of Alt. -
Aquifer - 112CHCTU CHICOT AQUIFER,UPPER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 00/00/1930 Measurement- -40.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 09/30/2002

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB R178: Screen from 148 to
170 ft.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-722

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513722
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.773055
Latitude (degrees minutes seconds)	29° 46' 23" N
Longitude (decimal degrees)	-95.459445
Longitude (degrees minutes seconds)	095° 27' 34" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	173
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1930
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	H. C. Weiss
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 148 to 170 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

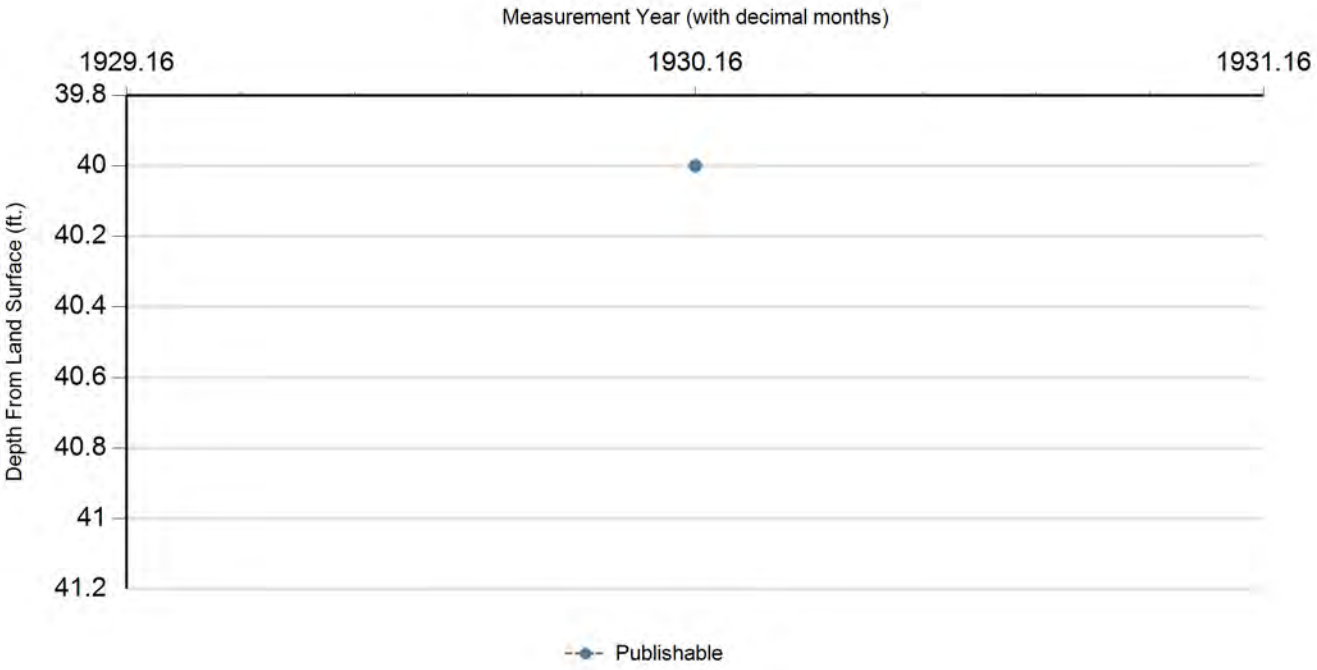
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1930		40		28	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-729

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513729
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.771667
Latitude (degrees minutes seconds)	29° 46' 18" N
Longitude (decimal degrees)	-95.471667
Longitude (degrees minutes seconds)	095° 28' 18" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	492
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1940
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	W. T. Carter
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 427 to 467 ft. Yield: 150 gpm with 25 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

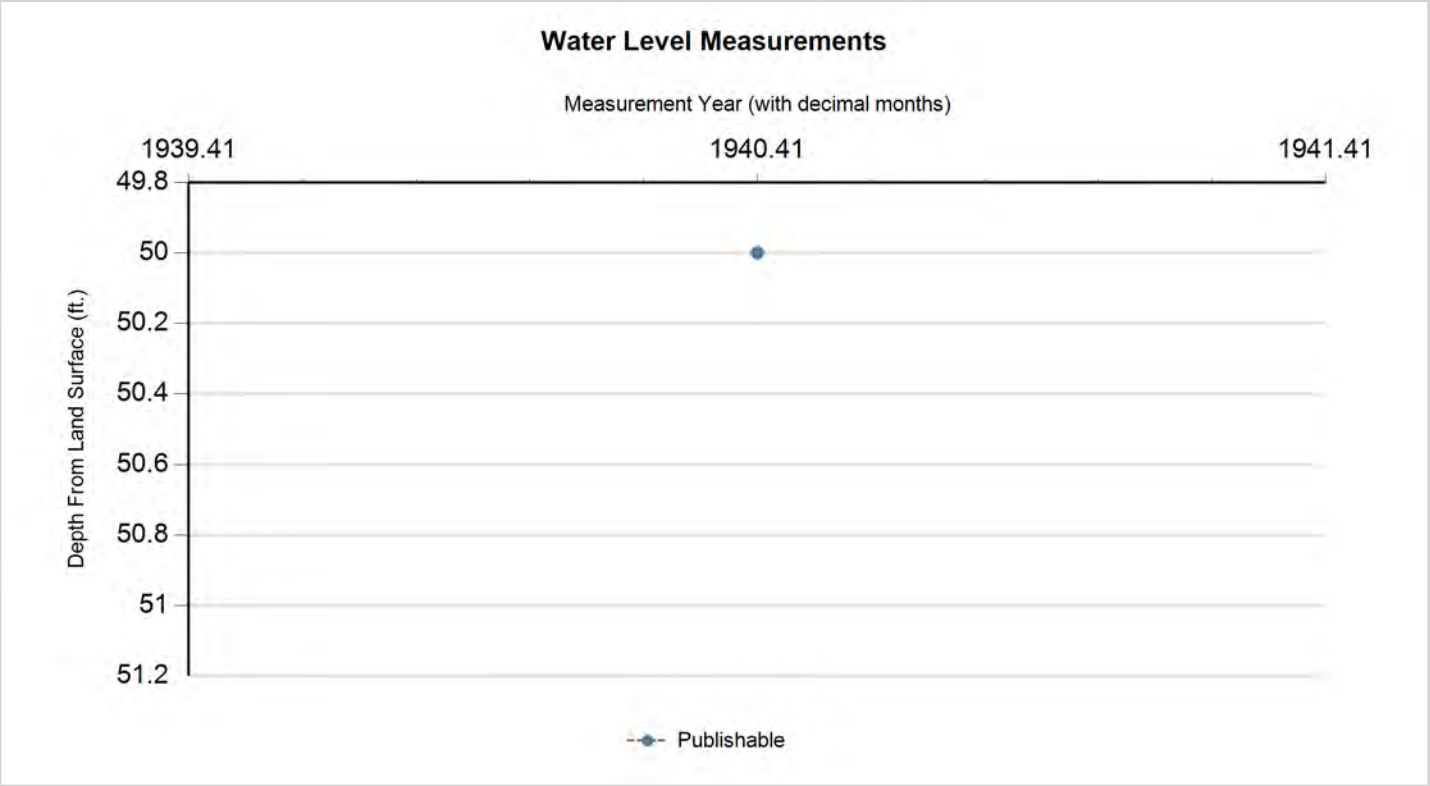
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/0/1940		50		0	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-730

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513730
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.759723
Latitude (degrees minutes seconds)	29° 45' 35" N
Longitude (decimal degrees)	-95.466944
Longitude (degrees minutes seconds)	095° 28' 01" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	62
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	403
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	R.W. Gillette West Oak Addition
Driller	L. Patterson
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Screen from 368 to 403 ft. Supplies West Oak Addition.

Casing - No Data

Well Tests - No Data

Lithology - No Data

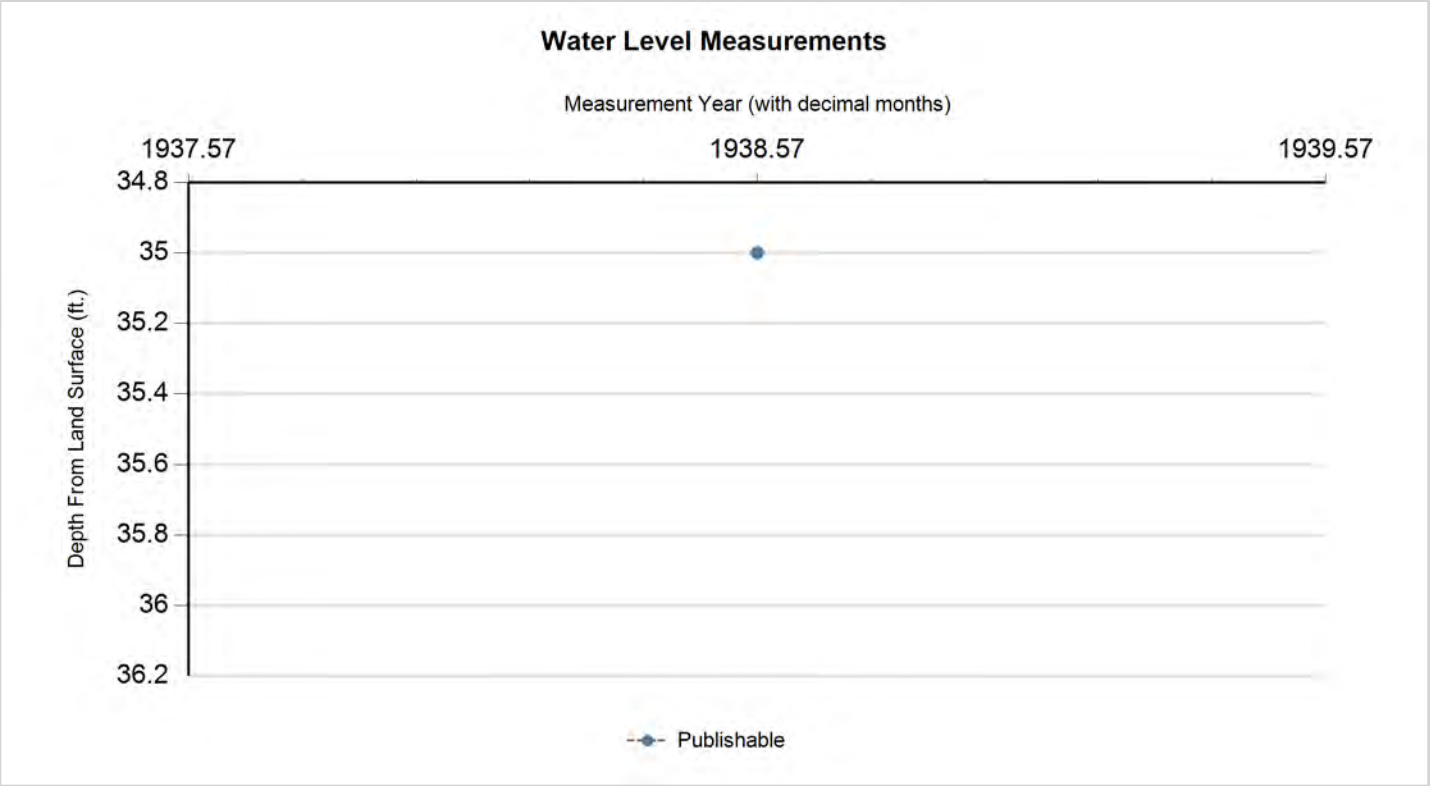
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/0/1938		35		27	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-730

Water Quality Analysis

Sample Date: 2/10/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.14	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		222	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.3	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		42	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-732

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513732
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.767778
Latitude (degrees minutes seconds)	29° 46' 04" N
Longitude (decimal degrees)	-95.467778
Longitude (degrees minutes seconds)	095° 28' 04" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1996
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1934
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	R.H. Goodrich
Driller	A.E. Fawcett, Sr
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	51 ft of screen between 1825 and 1996 ft. Reported flow 20 gpm when drilled. Well destroyed. Well 3.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

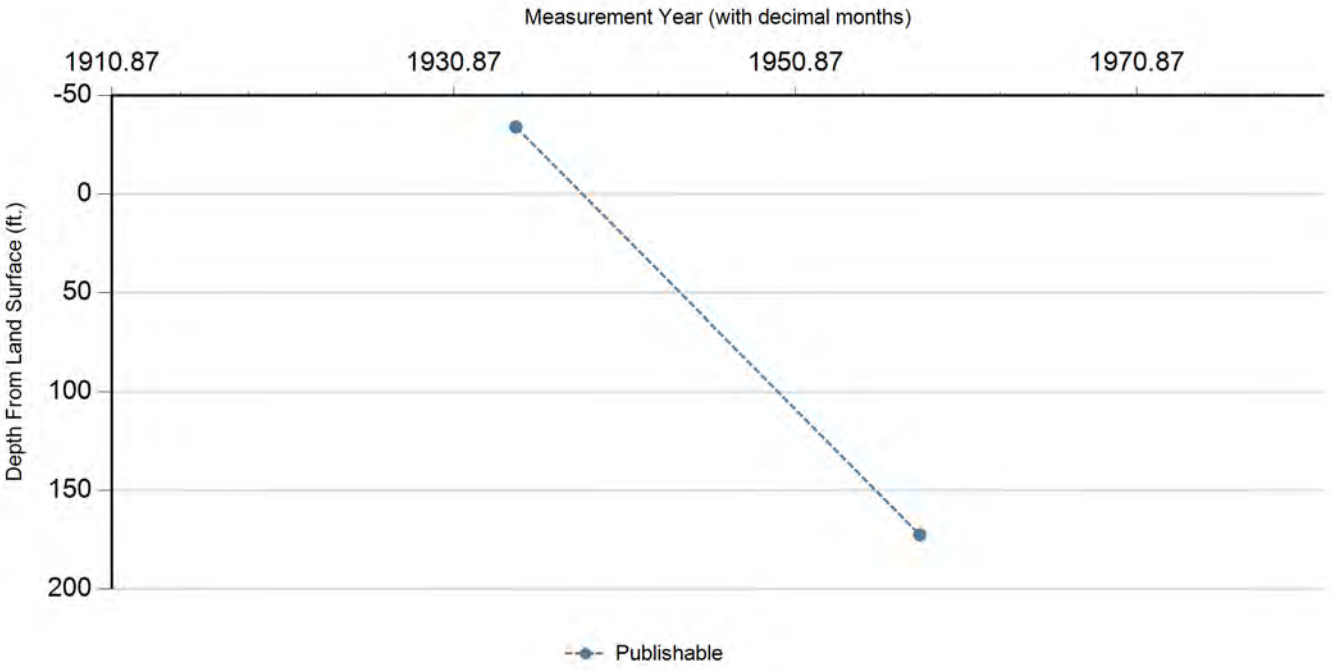
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/8/1934		-34		84	1	Registered Water Well Driller	Pressure Gage		
P	2/27/1958		172.5	206.50	-122.5	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-732

Water Quality Analysis

Sample Date: 10/14/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		369.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		451	mg/L	
00910	CALCIUM (MG/L)		4	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		106	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.7	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		20	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.78		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		18.02		
00932	SODIUM, CALCULATED, PERCENT		94	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		229	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		589	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Lower Chicot Project No. _____ State Well No. 65-13-733

_____ Field No./Owner's Well No. _____ County HARRIS

1. Location: ___ ¼, ___ ¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: J. O. Winston, Jr. Address: _____

Tenant (other): _____ Address: _____

Driller: Layne Texas Address: _____

3. Land Surface Elevation: 68 ft. above msl determined by _____

4. Drilled: _____ 19 39 ; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 337 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type T

No. Stages _____, Bowls Diam. _____ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel E HP. 5

9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. _____ Date ___

10. Performance Test: Date 2/39 Length of Test _____ Made by L-T

Static Level ___ ft. Pumping Level ___ ft. Drawdown 14 ft.

Production 112 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS ___ Sp Cond _____

Date _____ Laboratory _____ TDS ___ Sp Cond _____

12. Other data available (as circled): Pumping Test, Power & Yield Test, (Drillers Log,

Formation Samples, Geophysical Log(s) _____ (type)

CASING, BLANK PIPE & WELL SCREEN
Cemented From ____ ft. to ____ ft.

Diam. (in.)	Type	Setting (feet) from	to
6		0	286
4			337

13. Water Level(s): 44 ft. (rept.) meas. 2 1939 above below _____ which is ___ ft. above below Land Surface

_____ ft. rept. meas. _____ 19 ___ above below _____ which is ___ ft. above below Land Surface

14. Use: (Dom.), Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: well plugged

17. Location or Sketch:

TDWR-0308

W/L Obs. Well ___ W/Q Obs. Well ___

State Well No. 65-13-733

Rec'd GW 9

File with Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas WATER WELL PLUGGING REPORT

For TWDB use only
Well No. 65-13-BH
Form GW 7 received 7/83
Form GW 8 received 8-83

1) Well Owner: J. O. Winston, Jr. (Name) 101 Cornerview (Street or RFD) Houston (City) Texas (State)

2) Landowner: Same (Name) (Street or RFD) (City) (State)

3) Intended Use: Industrial ☐; Municipal ☐; Irrigation ☐; Domestic ☐; Stock ☐; Other

4) Location Of Well: County Harris Labor Leagues Abstract No.

NW¼ NE¼ SW¼ SE¼ of Section Block No. Survey
(Circle as many as known)
See attached sketch USGS Mt. 65-13-733

miles in (NE, SW, etc.) direction from Town. See reverse side to sketch map of well location showing distances from adjacent section or survey lines, or to landmarks, roads, and creeks.

CONSTRUCTION AND PLUGGING DATA

5) Driller Layne Texas Co. Registration Number 24 Address Box 9845 Houston Tx 77261

6) Party Constructing or Plugging Well Layne Texas Co. Registration Number 24 Address Same
Plugged May 1983

7) Drilled 1922; Dug ☐; Cable Tool ☐; Rotary ☒; Other Owners Well Number 1

8) Diameter Of Hole 10 inches, from 0 to 272 feet, and 6 inches, from 272 to 337 feet; Total depth 327 feet.

9) Casing and Cement:

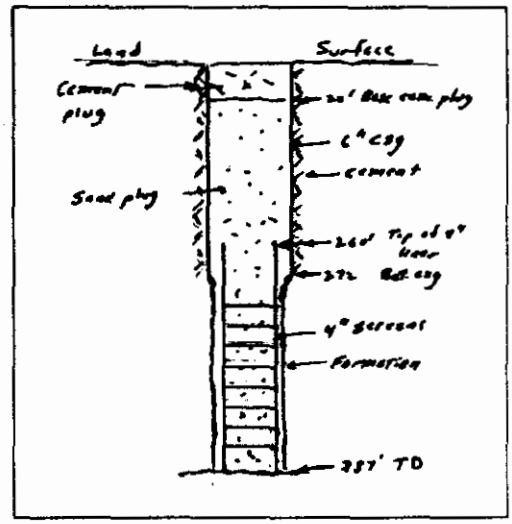
Diameter (inches)	Set in Well From (feet)	Set in Well To (feet)	Left in Well From (feet)	Left in Well To (feet)	Cement Baskets or Packers, Depth (feet)	Cement From (feet)	Cement To (feet)
6	Surf	272	Surf	272			
4	264	337	264	337			

10) Well Log: All measurements made from 0 feet above ground level.

From (ft.)	To (ft.)	Description and color of formation material
		See attached Well Log

RECEIVED
JUL 11 1983
DEPT. OF WATER RESOURCES

11) Sketch Of Well: Show method of plugging including all casing and cemented intervals.



12) Fresh Water-Bearing Zone(s): Depth in feet to top of 289, Thickness 40 feet.

13) Undesirable Water-Bearing Zone(s): Depth in feet to top of None, Thickness feet.

14) Static Water Level(s) — feet below land surface. Was the water level measured after penetrating the first water-bearing zone ☐, or after drilling to total depth ☐? Check applicable box(s).

15) Describe in detail the type, volume and manner of placement of all cement. Indicate depth to top of cement behind each casing string. Describe and give percent of all cement additives: Pumped mud laden 9.7# of sand from TD to 340', then set 20' cement plug (4 SKS) from 340' to 320' & top of liner. Used 4 cubic yds of RTM

16) Was undesirable water exclusion or retention or plugging program checked for adequacy? None
If so describe method(s) used.

17) Attach electrical, gamma ray or other mechanical log(s), water analyses, and other pertinent data if available.

VALIDATION

18) We, the party performing the undesirable water exclusion ☐ retention ☐ plugging ☑ (Check applicable box) operations, and the landowner or party having well drilled, deepened or otherwise altered, certify that the undesirable water exclusion or retention or plugging operations were performed in the manner described above.

Leland Lawson Reg No 24 Layne Texas Co. — 65-13-733

FORM NO. 38 - IM - 8-51 - BAL

THE LAYNE TEXAS COMPANY LTD.

HOUSTON -:- DALLAS

REPORT NO.
S. O.
PAGE OF
FILE NO.
DATE 6/18/52

WELL LOG

CUSTOMER LOCATION

FOR J. O. WINSTON, JR.

LOCATION WELL POST OAK ROAD, HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS

WELL DATA

NAME WELL SAME WELL NO. 1

ELEVATION DATUM

RT C GR

TEST HOLE SIZE TD

DATE STARTED DRILLING 1-5-39

DATE FINISHED DRILLING 1-14-39

DRILLER G. J. BARTLETT RIG NO.

TYPE MUD NO. SACKS

ELECTRIC LOG TYPE

SURVEY TYPE

OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
	1	SANDY SOIL			
19	18	CLAY			
32	13	WHITE SAND			
46	14	RED SAND & BREAKS CLAY			
65	19	RED CLAY			
105	40	BROKEN SAND & CLAY			
128	23	RED CLAY			
148	20	WHITE CLAY			
174	26	WHITE SAND			
200	26	BREAKS WHITE SAND AND CLAY			
255	55	CLAY			
268	13	SAND & CLAY			
332	64	COARSE SAND & FINE GRAVEL			
337	5	CLAY			

65-13-733

WEST UNIVERSITY PLACE
SOUTHSIDE PLACE

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-733

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513733
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.772222
Latitude (degrees minutes seconds)	29° 46' 20" N
Longitude (decimal degrees)	-95.460834
Longitude (degrees minutes seconds)	095° 27' 39" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	337
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	J. O. Winston, Jr.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 286 to 337 ft. Yield: 112 gpm with 14 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

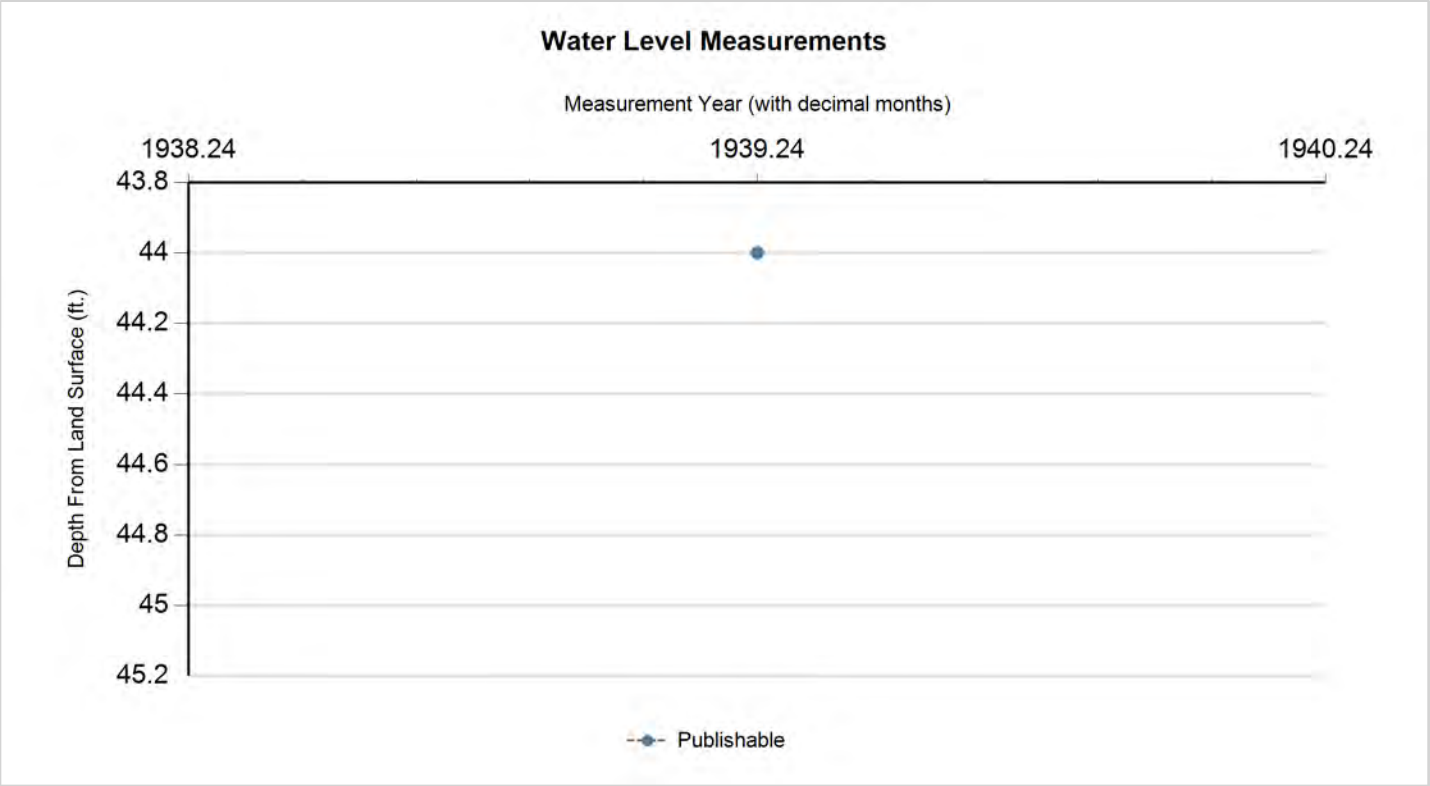
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/0/1939		44		24	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 734 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 15 Longitude - 95 27 37 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - R.W. Gillette
West Oak Addition

Driller - L. Patterson

Address _____ Tenant/Oper. _____
Date Drilled - / /1939 Depth - 701 ft. Source of Depth - D Altitude - 59 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 15

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 01/22/1999

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____
| Diam. (in.) | Setting(feet) From | To

1|
2|
3|
4|
5|
6|
7|
8|
9|
10|
11|
12|
13|
14|
15|
16|
17|
18|
19|

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 13 734

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-734

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513734
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.754167
Latitude (degrees minutes seconds)	29° 45' 15" N
Longitude (decimal degrees)	-95.460278
Longitude (degrees minutes seconds)	095° 27' 37" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	59
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	701
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	R.W. Gillette West Oak Addition
Driller	L. Patterson
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Evangeline Project No. _____ State Well No. 65-13-736

_____ Field No./Owner's Well No. 4 County Harris

1. Location: ___ ¼, ___ ¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: Cameron Iron Works Address: _____

Tenant (other): _____ Address: _____

Driller: Texas Water Wells Address: _____

3. Land Surface Elevation: 72 ft. above msl determined by _____

4. Drilled: 1-30 19 63 ; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 860 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type T

No. Stages _____, Bowls Diam. ____ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel E HP. 60

9. Yield: Flow ____ gpm, Pump ____ gpm, Meas., Rept., Est. ____ Date ____

10. Performance Test: Date 5/63 Length of Test ____ Made by _____

Static Level 222 ft. Pumping Level ____ ft. Drawdown ____ ft.

Production 563 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS ____ Sp Cond ____

Date _____ Laboratory _____ TDS ____ Sp Cond ____

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log, Formation Samples, Geophysical Log(s) _____

CASING, BLANK PIPE & WELL SCREEN
Cemented From 0 ft. to 680 ft.

Diam. (in.)	Type (type)	Setting (feet) from	to
12	Steel	0	680
6	liner	580	860
	Screens	690	730
		734	744
		766	806
		816	846

13. Water Level(s): _____ ft. rept. meas. _____ 19 ___ above/below _____ which is ____ ft. above/below Land Surface

_____ ft. rept. meas. _____ 19 ___ above/below _____ which is ____ ft. above/below Land Surface

14. Use: Dom., Stock, Public Supply, (Ind.) Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

17. Location or Sketch:

TDWR-0308

W/L Obs. Well ___ W/Q Obs. Well ___

State Well No. 65-13-736

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

TRU-GRAVEL-WALL WELLS

951 MC CARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7581

Cameron Iron Works
Houston, Texas

Water Well No. 4

Date Started: May [illegible], [illegible]
Orifice: [illegible]
Water Level: [illegible]
Airline: [illegible]

PUMPING TEST No. 1

TIME	HEAD IN INCHES (6x4 orifice)	PRESSURE	PUMPING LEVEL	AMPS	GPM
12:15 started test					
12:30	5	150	243	45	145
12:45	9-1/2	142-1/2	250	50	260
1:00	22-1/2	123	262	58	302
1:15	40	90	275	65	401
1:30	62	36	290	70	500

5-minute Recovery-220'

Started back with 6x5 orifice.

1:35	21-1/2		297		506
1:50	21-1/2		297		506
2:00	21-1/2		298		505
2:10	18-1/2	20	280	72	542
2:20	15-1/2	28	275	70	563

Electric Log in Q file in Surface Casing

65-13-9a

65-13-736

MEMBER TEXAS WATER WELL DRILLING CONTRACTORS ASSOCIATION

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

TWO-GRAVEL-WALL WELLS

951 MCCARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7581

January 30, 1963

Cameron Iron Works
Houston, Texas

Water Well No. 4

OK

CASING DATA

Surface Casing:

SET AND CEMENTED IN PLACE: 680 feet of 12-3/4" O.D. .375" W.T. surface casing.

Screen and Blank Liner:

From	To	Description
680'	690'	6-5/8" O.D. Blank Liner Pipe.
690'	700'	6" S. S. Wire Wrapped Screen - .050 ga.
700'	734'	6-5/8" O.D. Blank Liner Pipe.
734'	744'	6" S. S. Wire Wrapped Screen - .030 ga.
744'	766'	6-5/8" O.D. Blank Liner Pipe.
766'	806'	6" S. S. Wire Wrapped Screen - .050 ga.
806'	816'	6-5/8" O.D. Blank Liner Pipe.
816'	846'	6" S. S. Wire Wrapped Screen - .050 ga.
846'	860'	6-5/8" O.D. Blank Liner Pipe; Back Pressure Valve and Wood Wash Plug.

2 Pages
Wo# ATTACH!
65-13-9a

65-13-9a

65-13-736

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas State Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TWDB USE ONLY
Program No. 0730-50
Proj. No. SDE-73029

CHEMICAL WATER ANALYSIS REPORT

Send report to:
Ground Water Data and Protection Division
Texas Water Development Board
P.O. Box 13087
Austin, Texas 78711

County Harris
State Well No. 65-13-736
Field Well No. 2
Date Collected 09-27-72
By D. M. Jorgensen

Location Intersection of Katy and Silber Roads, northwest Houston, Texas
Source (type of well) Turbine, electric Owner Cameron Iron Works
Date Drilled 1963 Depth 860 ft. WBF
Producing intervals 690 to 846 Water level 280 in 1969 ft.
Sampled after pumping 5 minutes hrs. Yield 440 gpm GPM meas. est. Temperature °F °C
Point of collection Tap at side of discharge pipe near pump Appearance ☐ clear ☐ turbid ☐ colored ☐ other
Use Industrial Remarks

(FOR LABORATORY USE ONLY)
Laboratory No. 238013
CHEMICAL ANALYSIS
Date Received SEP 29 1972
KEY PUNCHED
Date Reported OCT. - 5. 1972

	MG/L	ME/L
Silica	24	
Calcium	49	2.45
Magnesium	11	0.88
Sodium	40	1.74
Total		5.07
☐ Potassium	.	
☐ Manganese	.	
☐ Boron	.	
3/ ☐ Total Iron	.	
☐ (other)		MG/L
Specific Conductance (micromhos/cm3)	490	
Diluted Conductance (micromhos/cm3)	4 x 130 = 520	

%Na
SAR
RSC

" ☐ " items will be analyzed if checked.

	MG/L	ME/L
Carbonate	108	0
Bicarbonate	220	3.60
Sulfate	13	0.28
Chloride	45	1.26
Fluoride	0.2	
Nitrate	<0.4	
pH	7.7	
Total		5.14
1/ Dissolved Solids (sum in MG/L)		290
Phenolphthalein Alkalinity as C aCO3		0
Total Alkalinity as C aCO3 (3.60)		180
Total Hardness as C aCO3 (3.33)		167
2/ ~~Nitrogen Cycle~~		
~~Ammonia - N~~		
Nitrite - N		
Nitrate - N		
Organic Nitrogen		

1/ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.
2/ Nitrogen cycle requires separate sample.
3/ Total Iron requires separate sample.

Analyst Checked By

File original copy with
Texas Water Commission
P. O. Box 2311, Capitol Station
Austin 11, Texas

State of Texas

DRILLERS LOG AND WELL DATA REPORT

For use by TWC only
Well No. 68-12-86
Located on map
By
Date
Map no. 102 (1)

1) Well Owner: Cameron Iron Works, Inc. Katy & Silber Roads, Houston, Texas
(Name / Street or RFD / City / State)

2) Land Owner: Same
(Name / Street or RFD / City / State)

3) Intended use: Industrial ☒ Municipal ☐ Irrigation ☐ Other ☐

4) Location of well: County Harris League Labor Abstract No.

¼ ¼ ¼ ¼ of Section Block No. Survey

miles in direction (N.E., S.W., etc.)
from (Name)

Water Well No. 4, for their plant located at Katy & Silber Roads, Houston, Texas.

Job No. 12[illegible]

CR

Sketch map of well location with distances from two sections or survey lines, and to landmarks, roads, and creeks.

DRILLERS LOG OF WELL

Method of drilling: Rotary Diameter of hole 9-7/8" in. Date drilled January - 1963

All measurements made from ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
		No Drillers Log			
		See Electric Log Attached.			

(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION

Straight wall ☐
Under reamed ☒
Gravel packed ☒
Open hole ☐
Other

CASING

Type: Old ☐ New ☒
Cemented from 0 ft.
to 680 ft.

Diameter (inches)	Setting from (ft)	Setting to (ft)
	See Attached.	

SCREEN

Type Stainless steel wire Wrapped Screen.
Perforated ☐ Slotted ☐

Diameter (inches)	Setting from (ft)	Setting to (ft)
	See Attached.	

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

L. M. Sawtell, Sec'y. Texas Water Wells, Incl Reg. No. 166
(Name) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information if available.

If well was tested by your company or if you installed the permanent pump please complete the following:

WATER LEVEL AND PUMP DATA

Static water level 222'
ft. below G. L.

Pumping level

feet	hours	gpm
See Attached.		

Pump type Pearless Turbine Pump from their old well.
Designed pumping rate 500 gpm ☒ gph ☐
Type power unit Electric Motor
Horsepower 60 H.P.
Depth to bowls, cylinder, jet, etc., 310 ft. below pump base.

Contractor testing well or installing permanent pump if other than your company:

65-13-736

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-736

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513736
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.788056
Latitude (degrees minutes seconds)	29° 47' 17" N
Longitude (decimal degrees)	-95.464167
Longitude (degrees minutes seconds)	095° 27' 51" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	72
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	860
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1963
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Cameron Iron Works
Driller	Texas Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	120 ft of screen between 690 and 846 ft. Reported yield 563 gpm when drilled. Well 4.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

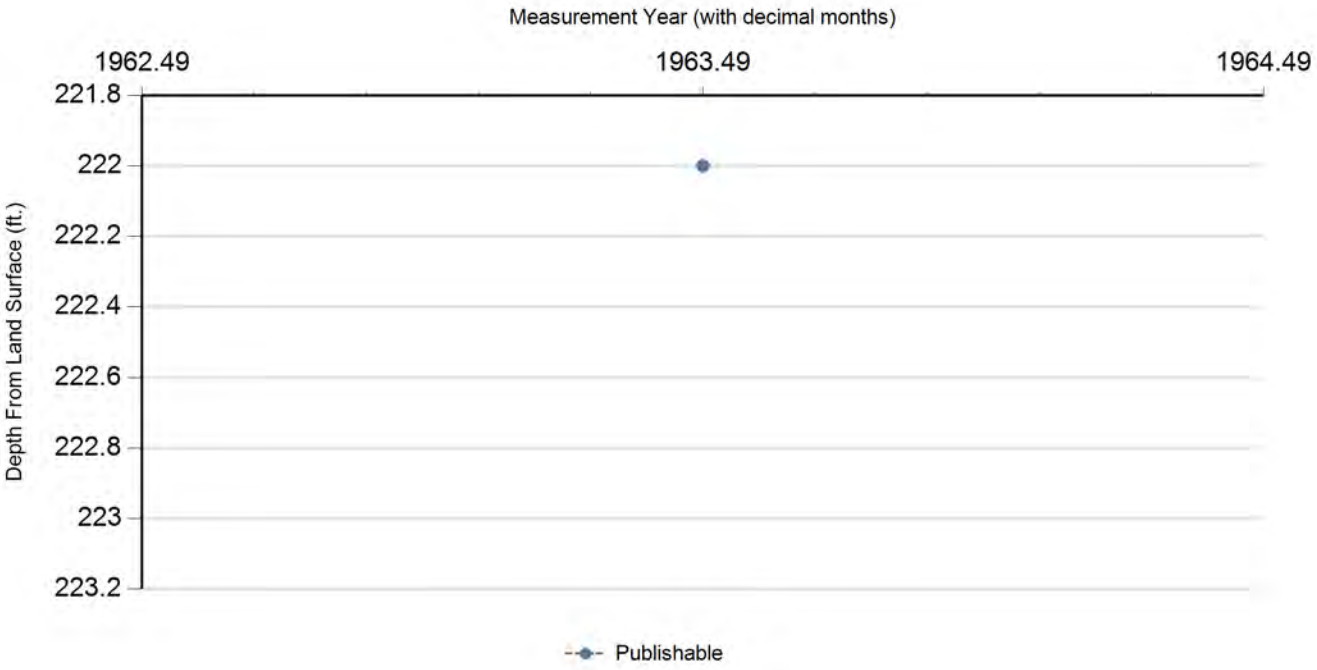
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1963		222		-150	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-736

Water Quality Analysis

Sample Date: 9/27/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00910	CALCIUM (MG/L)		49	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		167	mg/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.25		
00955	SILICA, DISSOLVED (MG/L AS SI02)		24	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.34		
00932	SODIUM, CALCULATED, PERCENT		34	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		40	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		520	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		290	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-745

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513745
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.784445
Latitude (degrees minutes seconds)	29° 47' 04" N
Longitude (decimal degrees)	-95.467222
Longitude (degrees minutes seconds)	095° 28' 02" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	71
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	273
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1965
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Texaco Inc.
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 258 to 273 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

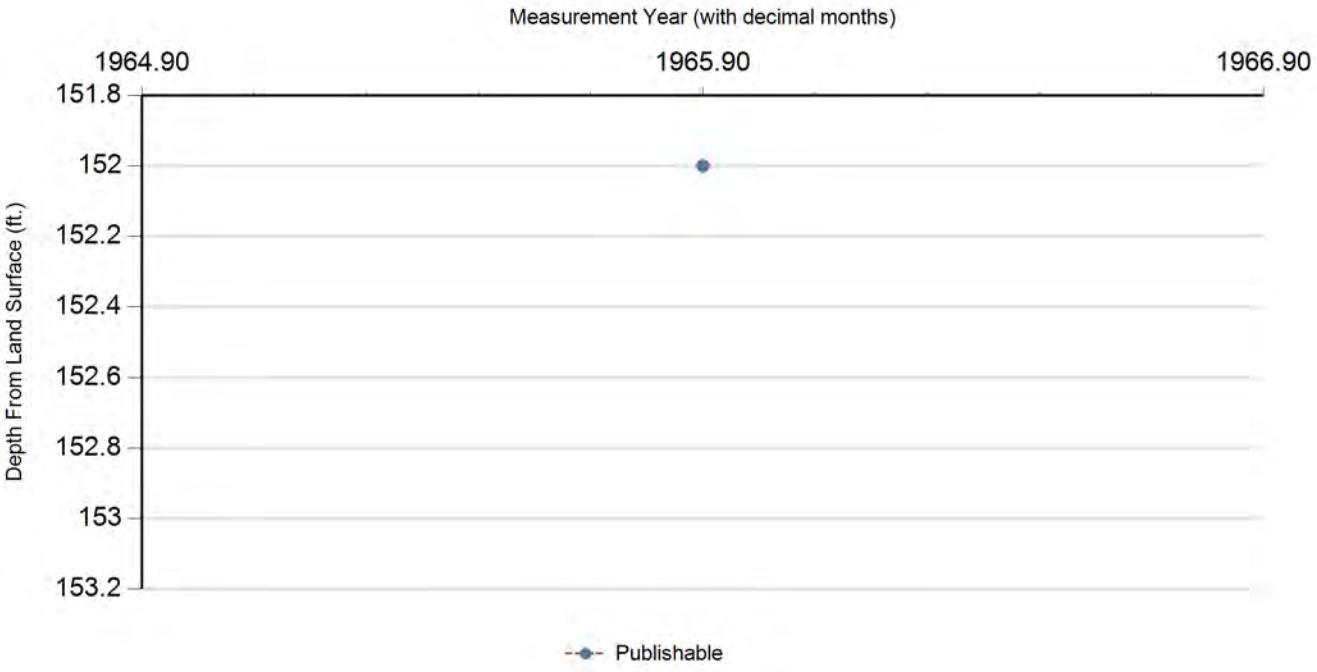
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-13-745

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/0/1965		152		-81	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 750 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 37 Longitude - 95 27 56 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Robert A. Rowland
Well # 2

Driller - Wellco

Address _____ Tenant/Oper. _____
Date Drilled - / /1988 Depth - 334 ft. Source of Depth - D Altitude - 63 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - HYDRAULIC ROTARY
Completion - SCREEN

Casing Material - PVC, FIBERGLASS, OTHER PLASTIC
Screen Material - STEEL

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- DOMESTIC Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- Quality- Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 04/09/1990

Reporting Agency -
REMARKS -

Casing or Blank Pipe (C) Well Screen or Slotted Zone (Open Hole (O) Cemented from_____to_____		
	Diam. (in.)	Setting(feet) From To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Aquifer - 112CHCT
Well No. - 65 13 750

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-750

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513750
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.777222
Latitude (degrees minutes seconds)	29° 46' 38" N
Longitude (decimal degrees)	-95.465834
Longitude (degrees minutes seconds)	095° 27' 57" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	334
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1988
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Robert A. Rowland Well # 2
Driller	Wellco
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	4/9/1990
Last Update Date	6/5/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-801

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) R.K.G. (7-1-63)

Record by W.L.N. (12-15-42) Source of data FILES Date 3-5-68 Map Houston Heights 1955 1:24000

State TEXAS 48 County (or town) HARRIS 201

Latitude: 29 45 18 N Longitude: 095 25 48 Sequential number: 1

Lat-long accuracy: 1 T. ____ N S. ____ E W. Sec ____, ____ ¼, ____ ¼, ____ ¼

Local well number: LJ-65-13-801 Other number: B & M WELL #2 W-64

Local use: ____ Owner or name: RIVER OAKS COUNTRY CLUB

Owner or name: RIVER OAKS C.C. Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — PRIVATE — P

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) (I) Irr, (M) Mad, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (S) Other — PS & IRR. — I

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (S) Destroyed — W

DATA AVAILABLE: Well data 2 Freq. W/L meas.: Quarterly 1957- Q Field aquifer char.

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 2-10-50 A Pumpage inventory: yes / no, period: ____

Aperture cards: ____ yes

Log data: E-Log T-30 IN OUR FILES TO 1,229 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1,227 ft 1227 Meas. (rept) Driller accuracy 3

Depth cased; (first perf.) 617 ft 617 Casing type: S ; Diam. 16-5/8 in 16

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other Slotted Sc. — 5

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (F) air percussion, rotary, (R) reverse trenching, (T) driven, (V) wash, (W) other ____ — H

Date Drilled: 9-13-49 9 4 9 Pump intake setting: 330 ft (1964) 330

Driller: LAYNE-TEXAS CO. (name), HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) nose, (P) piston, (R) rot, (S) submerg, (T) turb, (X) other — T — Deep / Shallow — D

Power (type): diesel, (elec), nat gas, gasoline, hand, LP gas, wind; H.P. 100 H.P. T-E — V — Trans. or meter no. ____

Descrip. MP ____ ft above / below LSD. Alt. MP 54± '

Alt. LSD: 52± ' 52 Accuracy: (source) TOPO. 5' — 3

Water Level 189.27 ft above / below MP; Ft above / below LSD 189 Accuracy: tape

Date meas: 12-19-57 1957 Yield: — gpm Method determined

Drawdown: ____ ft Accuracy: ____ Pumping period ____ hrs

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-13-801

Well No. LJ-65-13-801

Latitude-longitude 29 d 45 m 18 s N 095 d 25 m 48 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) | Physiographic Province: COASTAL PLAINS | 03 (20–21) | Section:

F (22) | Drainage Basin: | 51 (23–25) | Subbasin: | (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (0) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat | (27)

MAJOR AQUIFER: system, series | T (28–29) | aquifer, formation, group | E (30–31)

Lithology: | (32–33) | Origin: | (34) | Aquifer Thickness: ft

(35–37) Length of well open to: 158 ft | 158 (38–40) | Depth to top of: ft | (41–43)

MINOR AQUIFER: system, series | (44–45) | aquifer, formation, group | (46–47)

Lithology: | (48–49) | Origin: | (50) | Aquifer Thickness: ft

(51–53) Length of well open to: ft | (54–56) | Depth to top of: ft | (57–59)

Intervals Screened: 617-661, 706-716, 934-954, 1022-1053, 1098-1120, 1179-1210

Depth to consolidated rock: ft | (60–63) | Source of data: | (64)

Depth to basement: ft | (65–68) | Source of data: | (69)

Surficial material: | (70–71) | Infiltration characteristics: | (72)

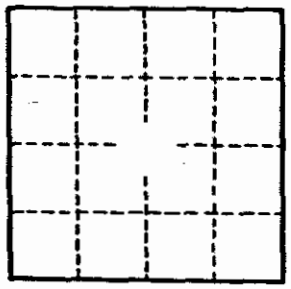
Coefficient Trans: gpd/ft | (73–75) | Coefficient Storage: | (76–78)

Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards: | (79)

11-12-63 installed new 6 5/8" liner
PL 290' @ 697 gpm } LT
static 234'

New well in 1973

C99:
0-597 = 16"
507-1227 = 6"



Well No. LJ-65-13-801

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-801

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513801
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.755278
Latitude (degrees minutes seconds)	29° 45' 19" N
Longitude (decimal degrees)	-95.430278
Longitude (degrees minutes seconds)	095° 25' 49" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1227
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1949
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Irrigation
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	River Oaks Country Club
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	8/20/1996
Last Update Date	8/20/1996

Remarks	158 ft of screen between 617 and 1210 ft. Supplies Country Club. Well 2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

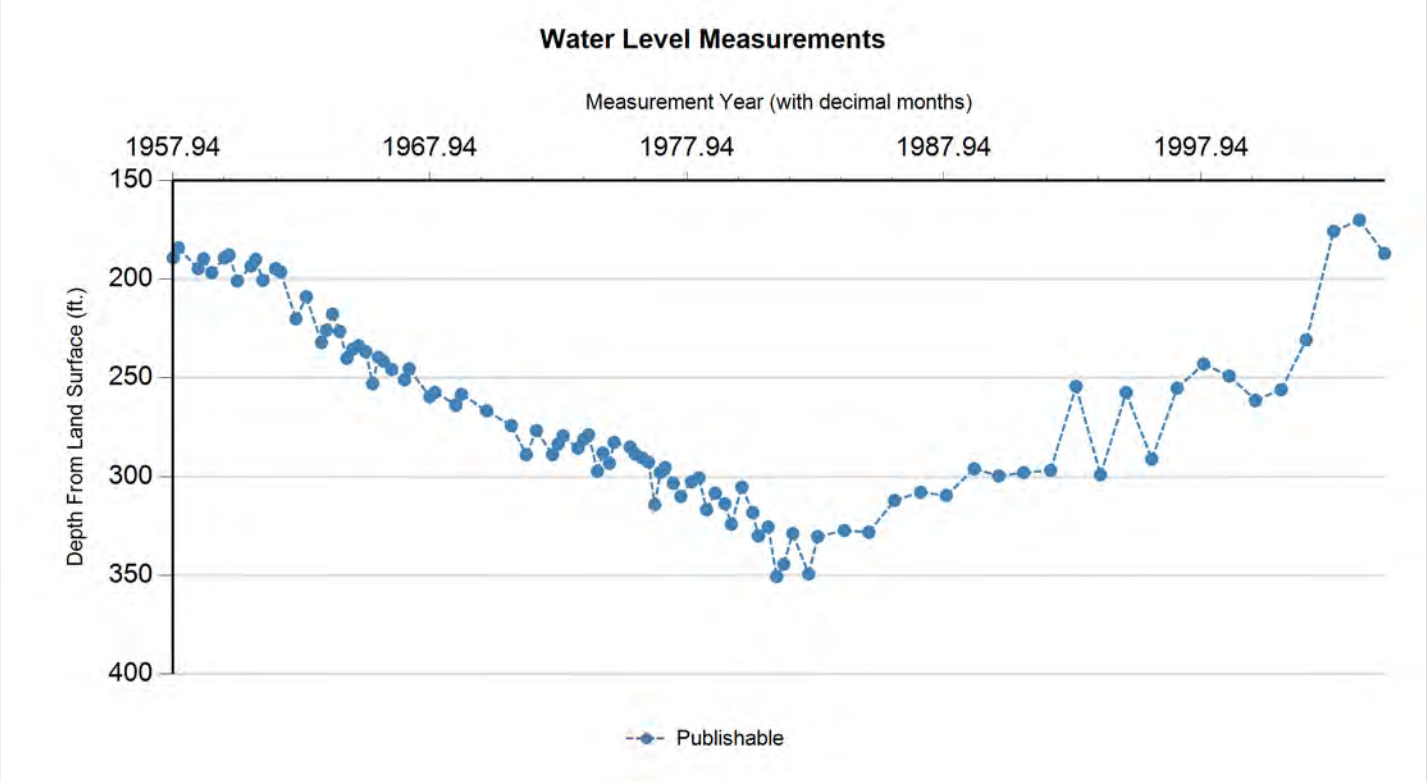
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/19/1957		189.3		-137.3	2	U.S. Geological Survey	Steel Tape		
P	2/27/1958		184.21	(5.09)	-132.21	1	U.S. Geological Survey	Steel Tape		
P	12/10/1958		194.81	10.60	-142.81	1	U.S. Geological Survey	Steel Tape		
P	2/19/1959		189.72	(5.09)	-137.72	1	U.S. Geological Survey	Steel Tape		
P	6/15/1959		196.8	7.08	-144.8	1	U.S. Geological Survey	Steel Tape		
P	12/16/1959		189.35	(7.45)	-137.35	1	U.S. Geological Survey	Steel Tape		
P	2/18/1960		187.79	(1.56)	-135.79	1	U.S. Geological Survey	Steel Tape		
P	6/14/1960		201.07	13.28	-149.07	1	U.S. Geological Survey	Steel Tape		
P	12/30/1960		193.43	(7.64)	-141.43	1	U.S. Geological Survey	Steel Tape		
P	3/1/1961		190.03	(3.40)	-138.03	1	U.S. Geological Survey	Steel Tape		
P	6/12/1961		200.73	10.70	-148.73	1	U.S. Geological Survey	Steel Tape		
P	12/14/1961		194.74	(5.99)	-142.74	1	U.S. Geological Survey	Steel Tape		
P	2/19/1962		196.43	1.69	-144.43	1	U.S. Geological Survey	Steel Tape		
P	9/28/1962		220.23	23.80	-168.23	1	U.S. Geological Survey	Steel Tape		
P	2/19/1963		209	(11.23)	-157	1	U.S. Geological Survey	Steel Tape		
P	9/25/1963		232.3	23.30	-180.3	1	U.S. Geological Survey	Steel Tape		
P	12/6/1963		226.02	(6.28)	-174.02	1	U.S. Geological Survey	Steel Tape		
P	2/27/1964		217.8	(8.22)	-165.8	1	U.S. Geological Survey	Steel Tape		
P	6/8/1964		226.57	8.77	-174.57	1	U.S. Geological Survey	Steel Tape		
P	9/21/1964		240.29	13.72	-188.29	1	U.S. Geological Survey	Steel Tape		
P	12/15/1964		235.59	(4.70)	-183.59	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/3/1965		233.89	(1.70)	-181.89	1	U.S. Geological Survey	Steel Tape		
P	6/14/1965		236.85	2.96	-184.85	1	U.S. Geological Survey	Steel Tape		
P	9/21/1965		253.1	16.25	-201.1	1	U.S. Geological Survey	Steel Tape		
P	12/14/1965		239.71	(13.39)	-187.71	1	U.S. Geological Survey	Steel Tape		
P	2/18/1966		241.68	1.97	-189.68	1	U.S. Geological Survey	Steel Tape		
P	6/17/1966		245.8	4.12	-193.8	1	U.S. Geological Survey	Steel Tape		
P	12/19/1966		251.15	5.35	-199.15	1	U.S. Geological Survey	Steel Tape		
P	2/20/1967		245.48	(5.67)	-193.48	1	U.S. Geological Survey	Steel Tape		
P	12/13/1967		259.7	14.22	-207.7	1	U.S. Geological Survey	Steel Tape		
P	2/21/1968		257.44	(2.26)	-205.44	1	U.S. Geological Survey	Steel Tape		
P	12/19/1968		263.69	6.25	-211.69	1	U.S. Geological Survey	Steel Tape		
P	3/3/1969		258.48	(5.21)	-206.48	1	U.S. Geological Survey	Steel Tape		
P	2/27/1970		266.54	8.06	-214.54	1	U.S. Geological Survey	Steel Tape		
P	2/11/1971		273.99	7.45	-221.99	1	U.S. Geological Survey	Steel Tape		
P	9/14/1971		288.76	14.77	-236.76	1	U.S. Geological Survey	Steel Tape		
P	2/2/1972		276.51	(12.25)	-224.51	1	U.S. Geological Survey	Steel Tape		
P	9/22/1972		288.7	12.19	-236.7	1	U.S. Geological Survey	Steel Tape		
P	12/11/1972		283.36	(5.34)	-231.36	1	U.S. Geological Survey	Steel Tape		
P	2/16/1973		279.14	(4.22)	-227.14	1	U.S. Geological Survey	Steel Tape		
P	9/17/1973		285.44	6.30	-233.44	1	U.S. Geological Survey	Steel Tape		
P	12/11/1973		280.92	(4.52)	-228.92	1	U.S. Geological Survey	Steel Tape		
P	2/15/1974		278.64	(2.28)	-226.64	1	U.S. Geological Survey	Steel Tape		
P	6/19/1974		297.14	18.50	-245.14	1	U.S. Geological Survey	Steel Tape		
P	9/6/1974		287.86	(9.28)	-235.86	1	U.S. Geological Survey	Steel Tape		
P	12/10/1974		293.14	5.28	-241.14	1	U.S. Geological Survey	Steel Tape		
P	2/11/1975		282.51	(10.63)	-230.51	2	U.S. Geological Survey	Steel Tape		
P	9/29/1975		284.87	2.36	-232.87	2	U.S. Geological Survey	Steel Tape		
P	12/8/1975		288.44	3.57	-236.44	2	U.S. Geological Survey	Steel Tape		
P	3/16/1976		290.38	1.94	-238.38	2	U.S. Geological Survey	Steel Tape		
P	6/15/1976		292.5	2.12	-240.5	2	U.S. Geological Survey	Steel Tape		
P	9/13/1976		314.08	21.58	-262.08	2	U.S. Geological Survey	Steel Tape		
P	12/3/1976		297.78	(16.30)	-245.78	2	U.S. Geological Survey	Steel Tape		
P	2/7/1977		295.24	(2.54)	-243.24	2	U.S. Geological Survey	Steel Tape		
P	6/1/1977		303.27	8.03	-251.27	2	U.S. Geological Survey	Steel Tape		
P	9/19/1977		309.88	6.61	-257.88	1	U.S. Geological Survey	Steel Tape		
P	2/14/1978		302.49	(7.39)	-250.49	1	U.S. Geological Survey	Steel Tape		
P	6/1/1978		300.5	(1.99)	-248.5	1	U.S. Geological Survey	Steel Tape		
P	9/21/1978		316.62	16.12	-264.62	1	U.S. Geological Survey	Steel Tape		
P	1/16/1979		308.27	(8.35)	-256.27	1	U.S. Geological Survey	Steel Tape		
P	6/5/1979		313.64	5.37	-261.64	1	U.S. Geological Survey	Steel Tape		
P	9/6/1979		323.98	10.34	-271.98	1	U.S. Geological Survey	Steel Tape		
P	1/30/1980		305.14	(18.84)	-253.14	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-801

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/7/1980		318.05	12.91	-266.05	1	U.S. Geological Survey	Steel Tape		
P	9/23/1980		329.91	11.86	-277.91	1	U.S. Geological Survey	Unknown		
P	9/28/1980		329.91	0.00	-277.91	1	U.S. Geological Survey	Steel Tape		
P	2/10/1981		325.41	(4.50)	-273.41	1	U.S. Geological Survey	Steel Tape		
P	6/10/1981		350.57	25.16	-298.57	1	U.S. Geological Survey	Steel Tape		
P	9/21/1981		344.23	(6.34)	-292.23	1	U.S. Geological Survey	Steel Tape		
P	1/22/1982		328.71	(15.52)	-276.71	1	U.S. Geological Survey	Steel Tape		
P	9/9/1982		349.22	20.51	-297.22	1	U.S. Geological Survey	Steel Tape		
P	1/12/1983		330.3	(18.92)	-278.3	1	U.S. Geological Survey	Steel Tape		
P	1/26/1984		327.17	(3.13)	-275.17	1	U.S. Geological Survey	Steel Tape		
P	1/9/1985		328.06	0.89	-276.06	1	U.S. Geological Survey	Steel Tape		
P	1/9/1986		311.92	(16.14)	-259.92	1	U.S. Geological Survey	Steel Tape		
P	1/14/1987		307.77	(4.15)	-255.77	1	U.S. Geological Survey	Unknown		
P	1/14/1988		309.45	1.68	-257.45	1	U.S. Geological Survey	Unknown		
P	2/16/1989		295.86	(13.59)	-243.86	1	U.S. Geological Survey	Unknown		
P	1/30/1990		299.51	3.65	-247.51	1	U.S. Geological Survey	Unknown		
P	1/17/1991		297.87	(1.64)	-245.87	1	U.S. Geological Survey	Steel Tape		
P	2/5/1992		296.73	(1.14)	-244.73	1	U.S. Geological Survey	Steel Tape		
P	2/2/1993		254.42	(42.31)	-202.42	1	U.S. Geological Survey	Steel Tape		
P	1/14/1994		298.94	44.52	-246.94	1	U.S. Geological Survey	Steel Tape		
P	1/13/1995		257.57	(41.37)	-205.57	1	U.S. Geological Survey	Steel Tape		
P	1/12/1996		290.98	33.41	-238.98	1	U.S. Geological Survey	Steel Tape		
P	1/7/1997		255.41	(35.57)	-203.41	1	U.S. Geological Survey	Steel Tape		
P	1/20/1998		243.09	(12.32)	-191.09	1	U.S. Geological Survey	Steel Tape		
P	1/18/1999		249.19	6.10	-197.19	1	U.S. Geological Survey	Steel Tape		
P	1/26/2000		261.45	12.26	-209.45	1	U.S. Geological Survey	Steel Tape		
P	1/26/2001		256.11	(5.34)	-204.11	1	U.S. Geological Survey	Steel Tape		
P	1/17/2002		230.88	(25.23)	-178.88	1	U.S. Geological Survey	Steel Tape		
P	2/11/2003		175.89	(54.99)	-123.89	1	U.S. Geological Survey	Steel Tape		
P	2/11/2004		170.13	(5.76)	-118.13	1	U.S. Geological Survey	Steel Tape		
P	2/3/2005		187.08	16.95	-135.08	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/10/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		233	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		148	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		474	MICR	

Water Quality Analysis

Sample Date: 1/31/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		178	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		104	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		407	MICR	

Water Quality Analysis

Sample Date: 2/9/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		243	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		153	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		474	MICR	

Water Quality Analysis

Sample Date: 2/23/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		164.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		201	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		114	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		481	MICR	

Water Quality Analysis

Sample Date: 2/23/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	

Water Quality Analysis

Sample Date: 3/8/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		241	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		156	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	

Water Quality Analysis

Sample Date: 2/20/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		160	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		510	MICR	

Water Quality Analysis

Sample Date: 3/12/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		486	MICR	

Water Quality Analysis

Sample Date: 2/19/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		153	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		475	MICR	

Water Quality Analysis

Sample Date: 2/18/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		152	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		467	MICR	

Water Quality Analysis

Sample Date: 3/1/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		195.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		238	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		151	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		473	MICR	

Water Quality Analysis

Sample Date: 3/12/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		192.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		235	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		153	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	

Water Quality Analysis

Sample Date: 4/8/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		156	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		465	MICR	

Water Quality Analysis

Sample Date: 3/3/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		156	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		466	MICR	

Water Quality Analysis

Sample Date: 2/18/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		92	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		556	MICR	

Water Quality Analysis

Sample Date: 2/20/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		265	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		94	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		544	MICR	

Water Quality Analysis

Sample Date: 3/3/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		214.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		262	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		107	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		560	MICR	

Water Quality Analysis

Sample Date: 2/27/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		113	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		556	MICR	

Water Quality Analysis

Sample Date: 2/11/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		219.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		268	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		98	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		556	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-801

Water Quality Analysis

Sample Date: 2/16/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		100	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		566	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6513802 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294658 **Longitude** 952720 **Source of Coords** 2

Owner's Well No. **Location**

Owner
Station KATL

Driller
H. L. Jackson Co.

Address **Tenant/Oper.**

Date Drilled / /1949 **Depth** 190 **Source of Depth** **Altitude** 70 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION **Const-Method** **Casing Material**

Completion **Screen Material**

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** **Type -** JET PUMP **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** DOMESTIC **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1949
-85

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 180 to
190 ft.

Aquifer - 112CHCTU **ID -** 15

CHICOT
AQUIFER,UPPER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-802

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513802
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.782778
Latitude (degrees minutes seconds)	29° 46' 58" N
Longitude (decimal degrees)	-95.455556
Longitude (degrees minutes seconds)	095° 27' 20" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	70
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	190
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1949
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Station KATL
Driller	H. L. Jackson Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 180 to 190 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

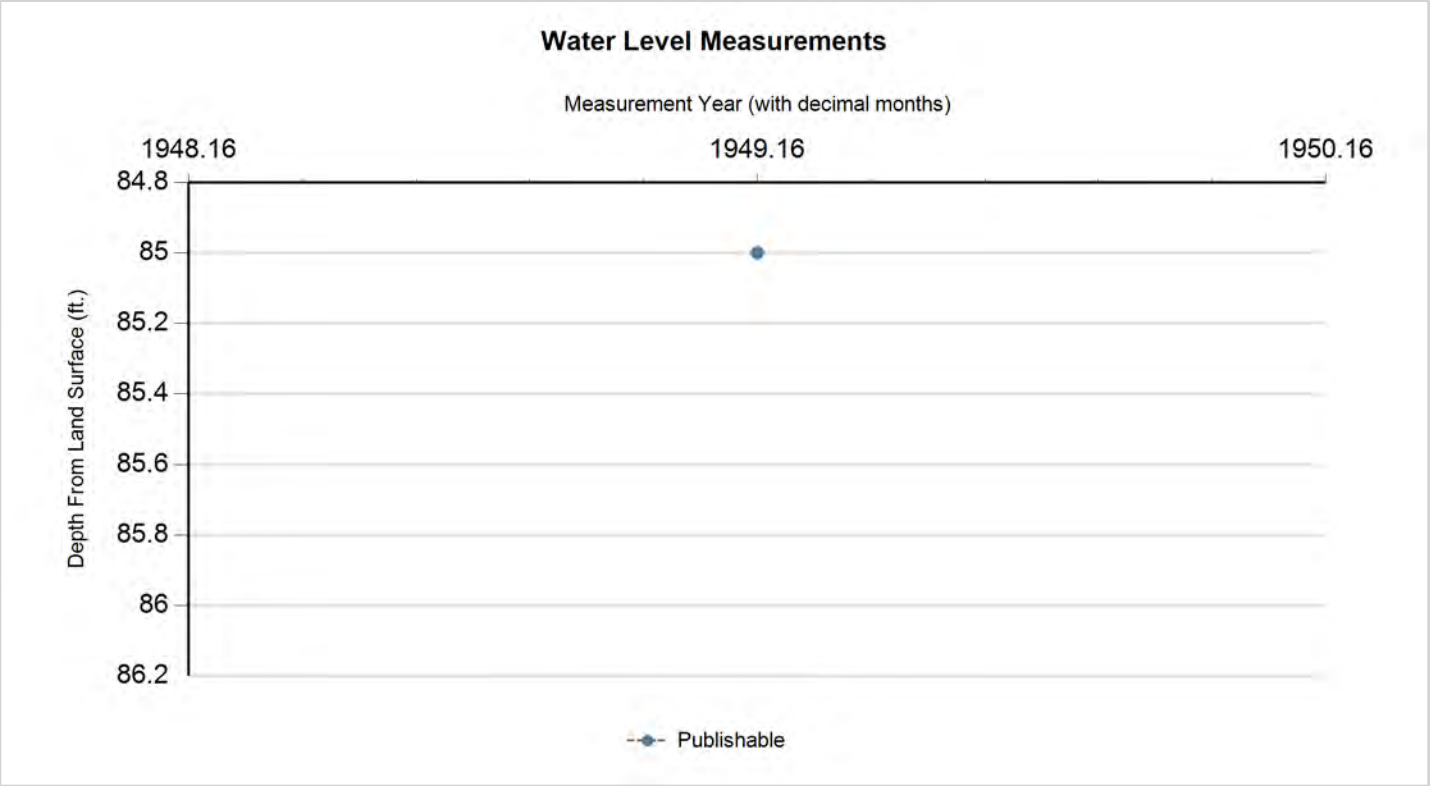
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/0/1949		85		-15	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6513803 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294637 **Longitude** 952717 **Source of Coords** 2

Owner's Well No. **Location**

Owner
Bayou Club
#2

Driller
Layne Texas Co.

Address **Tenant/Oper.**

Date Drilled 04/ /1954 **Depth** 1037 **Source of Depth** D **Altitude** 66 **Source of Alt.** M

Well Type W **User** 59400

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** **Type -** TURBINE PUMP **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** PUBLIC SUPPLY **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** D **Other Data -**

WATER LEVELS 1 measurement
1954
-137.9

Recorded By _____ **Date Record Collected or Updated -** 01/22/1999

Reporting Agency 02

REMARKS -

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-803

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513803
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.776944
Latitude (degrees minutes seconds)	29° 46' 37" N
Longitude (decimal degrees)	-95.454723
Longitude (degrees minutes seconds)	095° 27' 17" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	66
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1037
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	4/0/1954
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Bayou Club #2
Driller	Layne Texas Co.
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

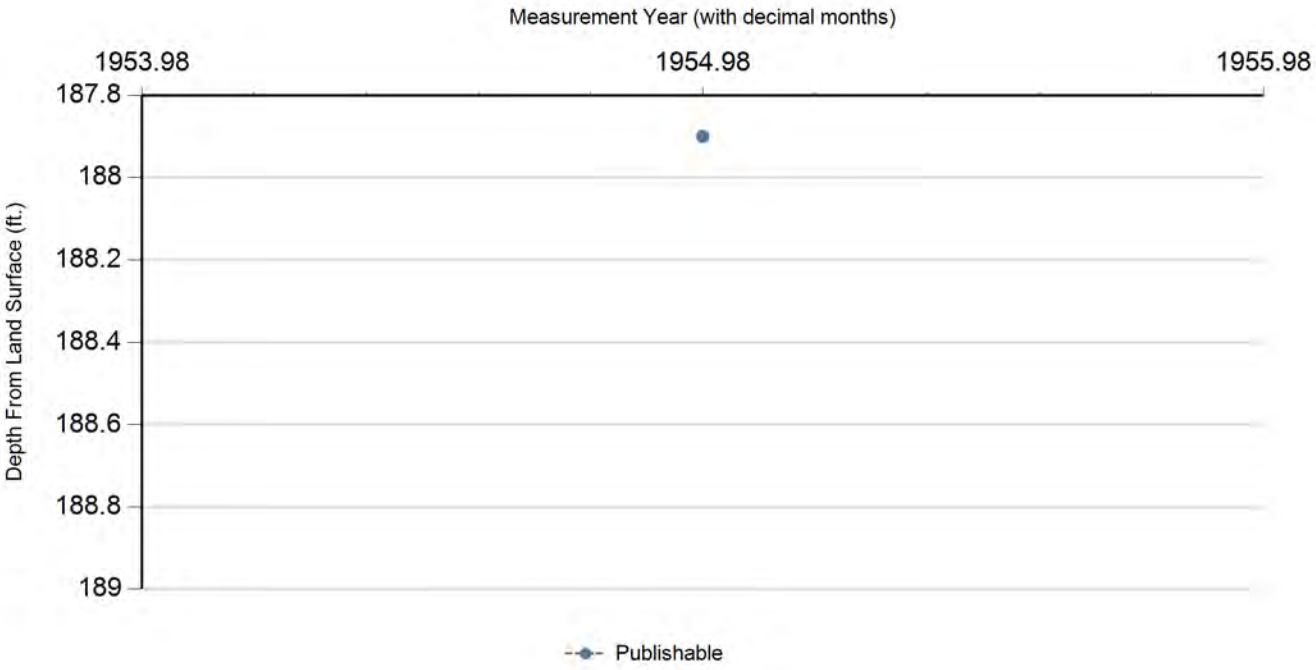
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-803

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/29/1954		187.9		-121.9	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board

Well Schedule

State Well Number 6513804 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294656 **Longitude** 952609 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Spears Co.

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1948 **Depth** 260 **Source of Depth** **Altitude** 68 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Completion

Screen Material

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1950
-90

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Reported 40 ft. of screen.

Aquifer - 112CHCT **ID -** 15

CHICOT
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-804

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513804
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.782222
Latitude (degrees minutes seconds)	29° 46' 56" N
Longitude (decimal degrees)	-95.435834
Longitude (degrees minutes seconds)	095° 26' 09" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	260
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Spears Co.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Reported 40 ft. of screen.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

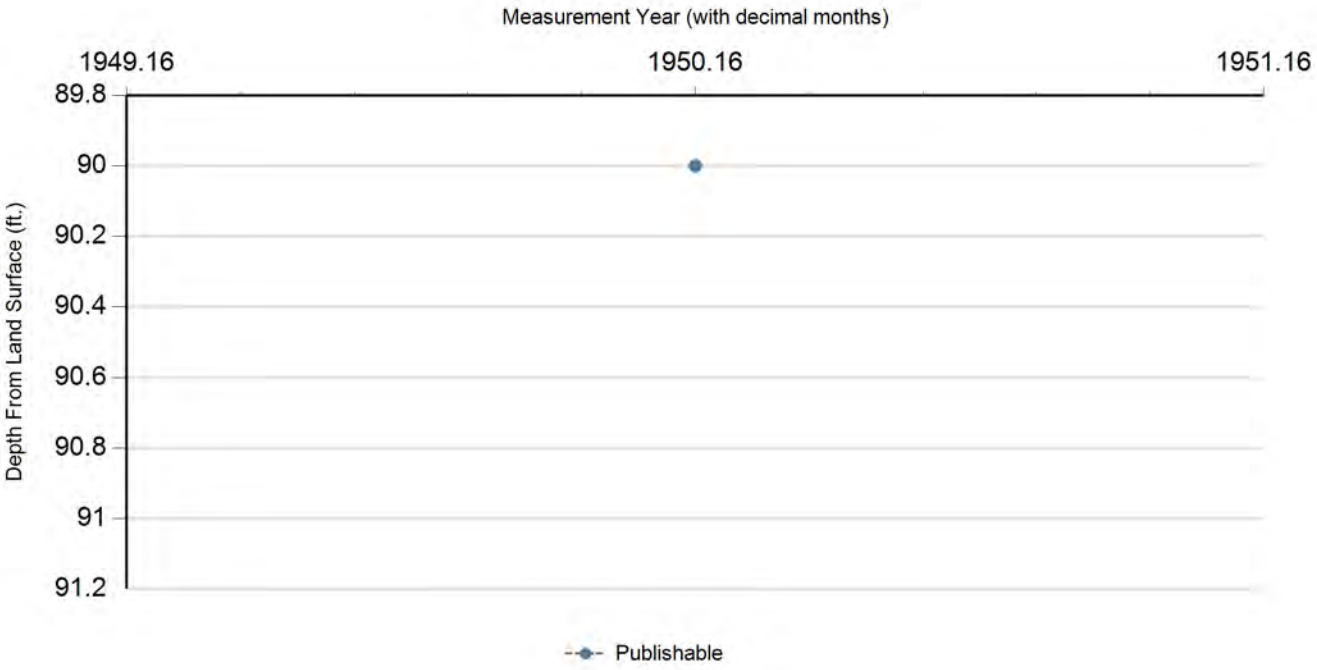
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1950		90		-22	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-806

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

1:24000

Record by C.W. BONNET / P. LIVINGSTON 6-18-32 Source of data FILE Date 6-13-68 Map HOUSTON HEIGHTS 1955

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 46 58 N Longitude: 095 27 27 Sequential number: 1

Lat-long accuracy: 1 T. ____ S, R ____ W, Sec ____, ____ k, ____ k, ____ k ____

Local well number: LJ-65-13-806 Other number: B & M 523

Local use: ____ Owner or name: M.L. HILTON

Owner or name: M. L. HILTON Address: KATY RD. HOUSTON, TEXAS

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ [P]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (W) Waste, (Z) Destroyed [Z]

DATA AVAILABLE: Well data ____ Freq. W/L meas.: ANNUAL ____ Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: ANNUAL ____ Pumpage inventory: yes / no, period: ____

Aperture cards: yes ____

Log date: ____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 60 ft 60 Meas. rept accuracy 6

Depth cased: (first perf.) — ft ____ Casing type: S; Dim. 4 in 4

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other ____

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____

Date Drilled: — Pump intake setting: ____ ft

Driller: M.L. HILTON (name), ____ (address)

Lift (type): (A) air, (B) bucker, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [P] Deep / Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat / LP; H.P. ____ Trans. or meter no. ____

Descrip. MP ____ ft above / below LSD, Alt. MP ____

Alt. LSD: 70 20 Accuracy (source): TOPO 5' [3]

Water Level — ft above / below MP; Ft above / below LSD ____ Accuracy: ____

Date meas: ____ Yield: ____ gpm Method determined ____

Drawdown: ____ ft Accuracy: ____ Pumping period ____ hrs

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-13-806

Well No. LJ-65-13-806

Latitude-longitude 29 46 58 S 95 27 27
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN 03 (20–21) Section: _____

F (22) Drainage Basin: _____ 51 R (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (0) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series Q (28–29) _____ aquifer, formation, group CU (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: _____ ft (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: _____

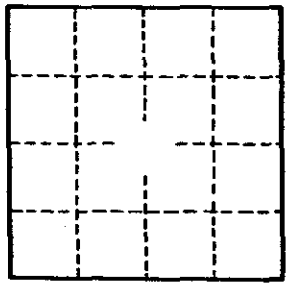
Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)



Well No. LJ-65-13-806

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-806

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513806
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.782778
Latitude (degrees minutes seconds)	29° 46' 58" N
Longitude (decimal degrees)	-95.457501
Longitude (degrees minutes seconds)	095° 27' 27" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	70
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	60
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	M.L. Hilton
Driller	M.L. Hilton
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	6/13/1968
Last Update Date	5/6/2010

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 807 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 20 Longitude - 95 27 27 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - H. C. Weiss Driller - Layne Texas Co.

Address _____ Tenant/Oper. _____
Date Drilled - / /1936 Depth - 355 ft. Source of Depth - Altitude - 67 ft. Source of Alt. -
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - JET PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- DOMESTIC Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 02/00/1938 Measurement- -40.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 09/30/2002

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB R178: 60 ft. of screen
between 250 and 341 ft.
Yield: 200 gpm with 12 ft.
drawdown when drilled.

Aquifer - 112CHCTL
Well No. - 65 13 807

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-807

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513807
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.772222
Latitude (degrees minutes seconds)	29° 46' 20" N
Longitude (decimal degrees)	-95.457501
Longitude (degrees minutes seconds)	095° 27' 27" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	355
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1936
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	H. C. Weiss
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 60 ft. of screen between 250 and 341 ft. Yield: 200 gpm with 12 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

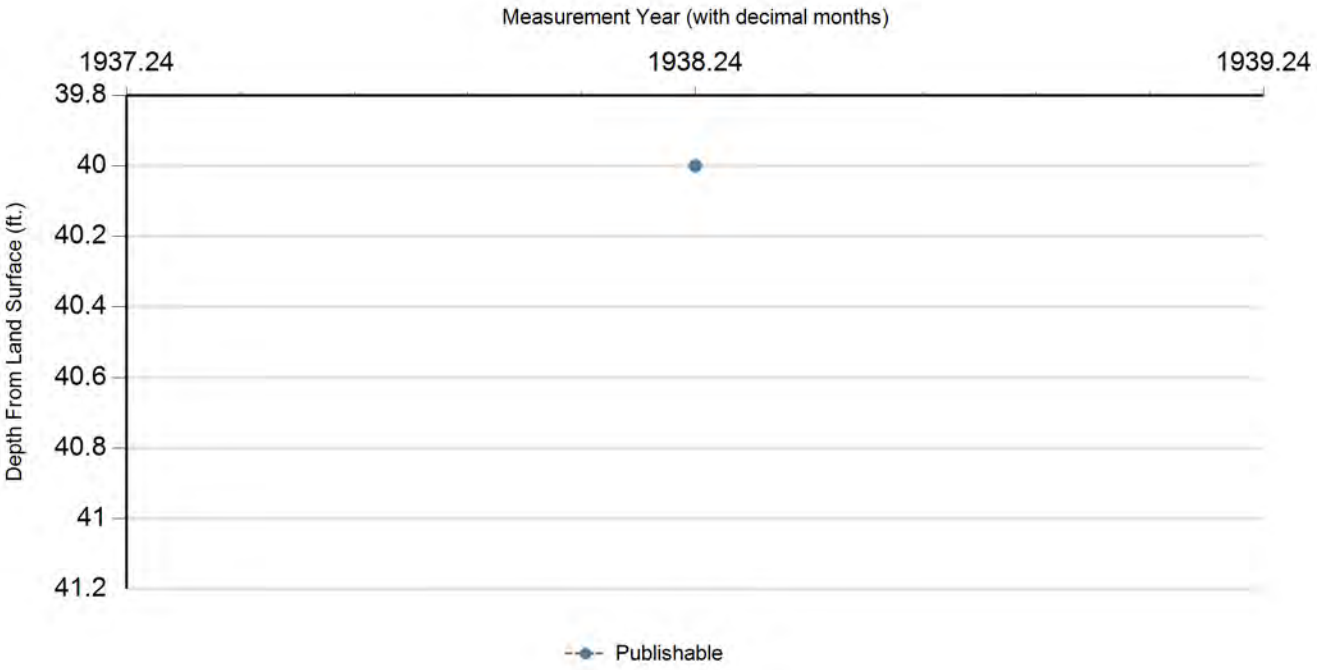
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/0/1938		40		27	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 809 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 13 Longitude - 95 27 24 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Dudley Sharp Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1939 Depth - 492 ft. Source of Depth - Altitude - 63 ft. Source of Alt. -
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- DOMESTIC Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 02/00/1939 Measurement- -48.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 09/30/2002

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB R178: Screen from 449 to
492 ft.
Yield: 225 gpm with 23 ft.
drawdown when drilled.

Aquifer - 112CHCTL
Well No. - 65 13 809

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-809

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513809
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.770278
Latitude (degrees minutes seconds)	29° 46' 13" N
Longitude (decimal degrees)	-95.456667
Longitude (degrees minutes seconds)	095° 27' 24" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	492
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Dudley Sharp
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 449 to 492 ft. Yield: 225 gpm with 23 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

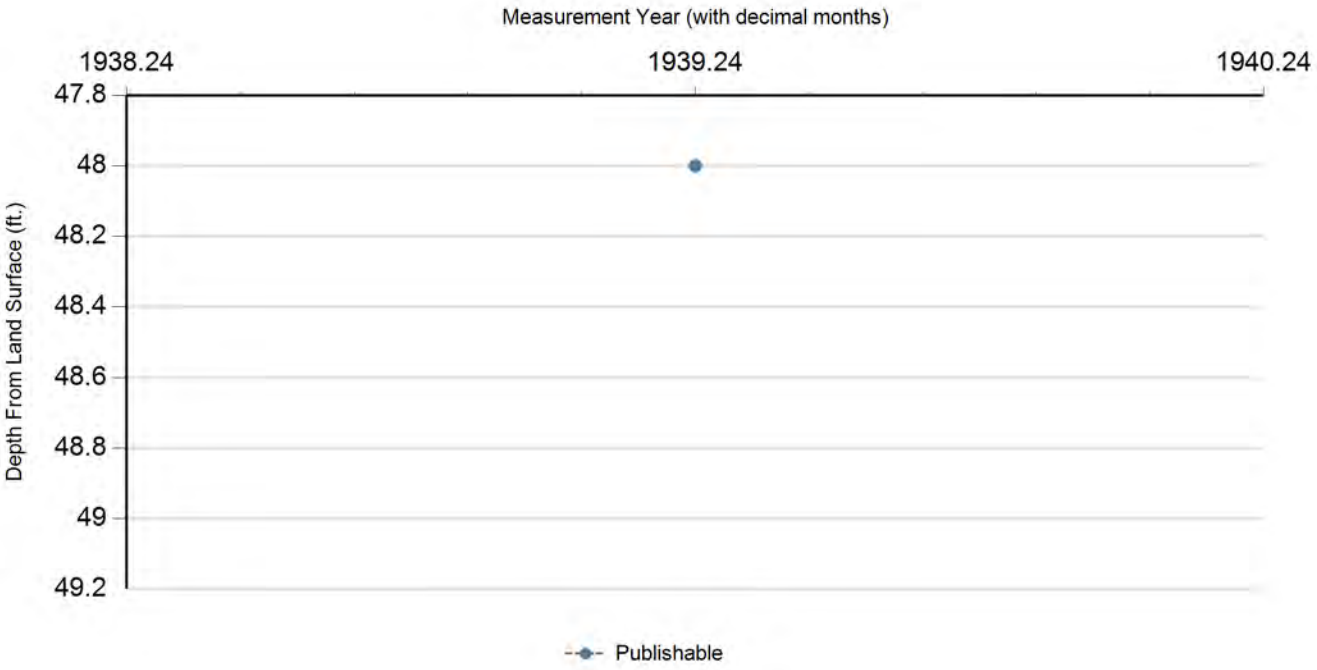
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/0/1939		48		15	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 811 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 17 Longitude - 95 27 25 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - R.W. Gillette
West Oak Addition

Driller - L. Patterson

Address _____ Tenant/Oper. _____
Date Drilled - / /1940 Depth - 400 ft. Source of Depth - R Altitude - 55 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 15

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 01/22/1999

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 13 811

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-811

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513811
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.754723
Latitude (degrees minutes seconds)	29° 45' 17" N
Longitude (decimal degrees)	-95.456945
Longitude (degrees minutes seconds)	095° 27' 25" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	400
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1940
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	R.W. Gillette West Oak Addition
Driller	L. Patterson
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-814

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513814
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.751389
Latitude (degrees minutes seconds)	29° 45' 05" N
Longitude (decimal degrees)	-95.425278
Longitude (degrees minutes seconds)	095° 25' 31" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	60
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1084
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1935
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	H. R. Cullen
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 89 ft. of screen between 810 and 1,083 ft. Yield: 269 gpm with 35 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

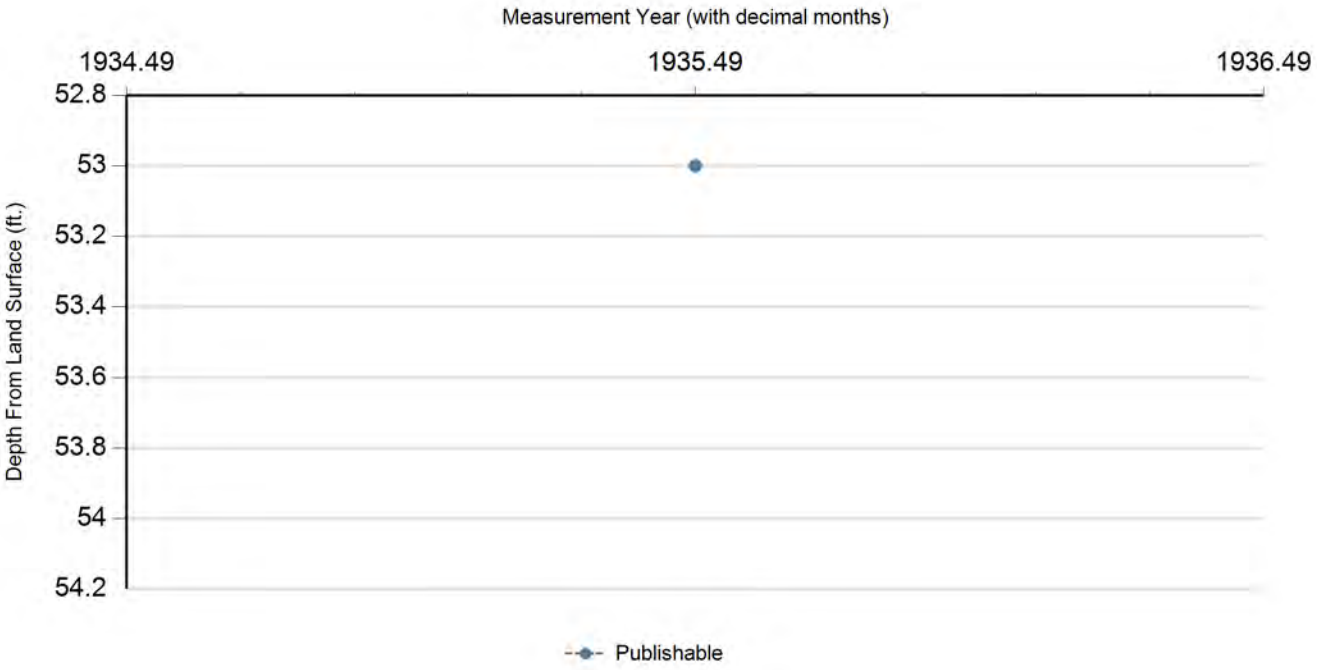
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1935		53		7	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-815

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513815
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.753334
Latitude (degrees minutes seconds)	29° 45' 12" N
Longitude (decimal degrees)	-95.419167
Longitude (degrees minutes seconds)	095° 25' 09" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	525
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	S. P. Farish
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 65 ft. of screen between 450 and 525 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

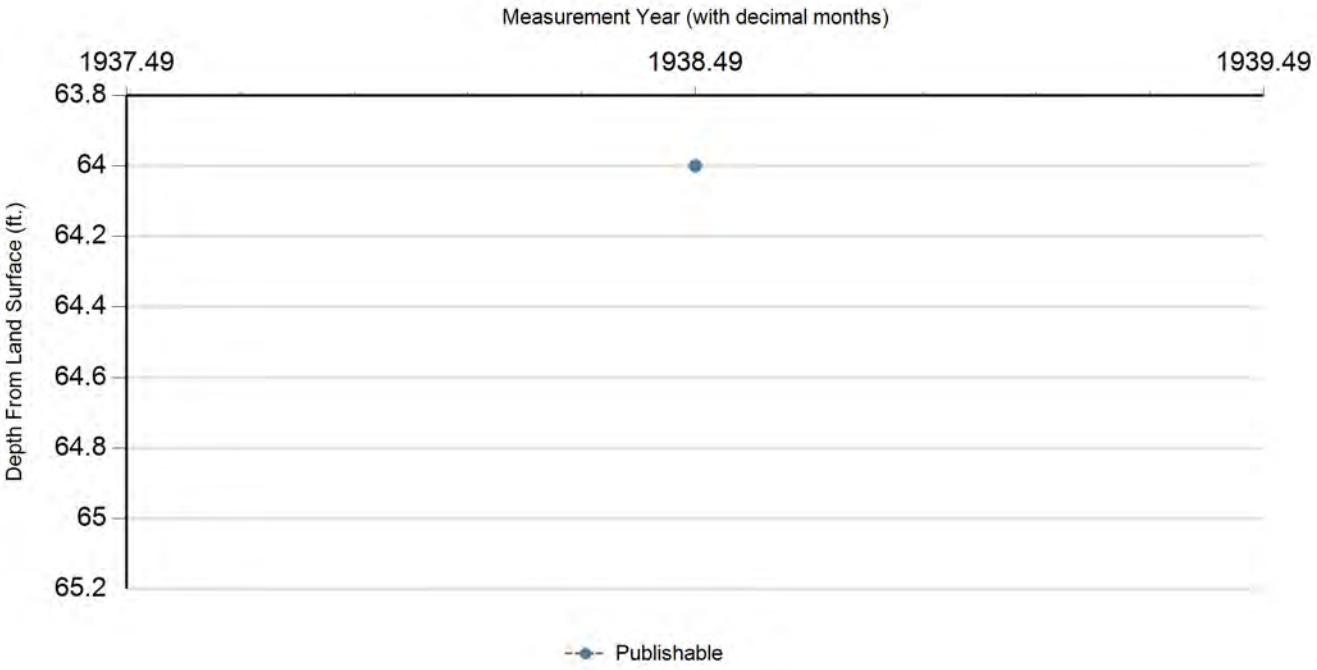
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1938		64		0	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-824

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD C.W. BONNET 1:24000

Record by P. LIVINGSTON Source of data FILE Date 6-14-68 Map HOUSTON HEIGHTS 1955

1-19-31

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 45 17 N Longitude: 095 25 46 Sequential number: 1

Lat-long accuracy: 1 T. ____ N S, R ____ E W, Sec ____, ____ ¼, ____ ¼, ____ ¼ ____

Local well number: LJ-65-13-824 Other number: B & M 602

Local use: ____ Owner or name: RIVER OAKS COUNTRY CLUB

Owner or name: RIVER OAKS C.C. Address: HOUSTON, TEXAS

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [P]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mad, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data ____ Freq. W/L meas.: 1931 - 1966 [Q] Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 1-19-31 — '49 [A] Pumpage inventory: yes / no, period: ____

Aperture cards: ____ yes

Log data: ____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 887 ft [887] Meas. rept accuracy [6]

Depth cased: (first perf.) 675 ft [675] Casing type: S ; Diam 10-8 in [10]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: 7-29 [929] Pump intake setting: ____ ft

Driller: LAYNE-TEXAS CO. (name) HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] Deep ____ Shallow ____

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat LP H.P. ____ Trans. or meter no. ____

Descrip. MP HOLE IN PUMP BASE +2.0 ft above below LSD, Alt. MP ____

Alt. LSD: 56 [56] Accuracy: (source) TOPO 5' [3]

Water Level ____ ft above below MP; Ft above below LSD ____ Accuracy: ____

Date meas: ____ Yield: ____ gpm Method determined ____

Drawdown: ____ ft Accuracy: ____ Pumping period ____ hrs

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-13-824

Well No. LJ-65-13-824

Latitude-longitude 29 45 17 S 95 25 46
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [513] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 149 ft [149] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: 675-715; 755-864'

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

WELL FIRST 776', DEEPENED TO 887' JULY 1929.

[ ]

Well No. LJ-65-13-824

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-824

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513824
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.757778
Latitude (degrees minutes seconds)	29° 45' 28" N
Longitude (decimal degrees)	-95.43
Longitude (degrees minutes seconds)	095° 25' 48" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	887
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1929
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	River Oaks Country Club
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	149 ft of screen between 675 and 864 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

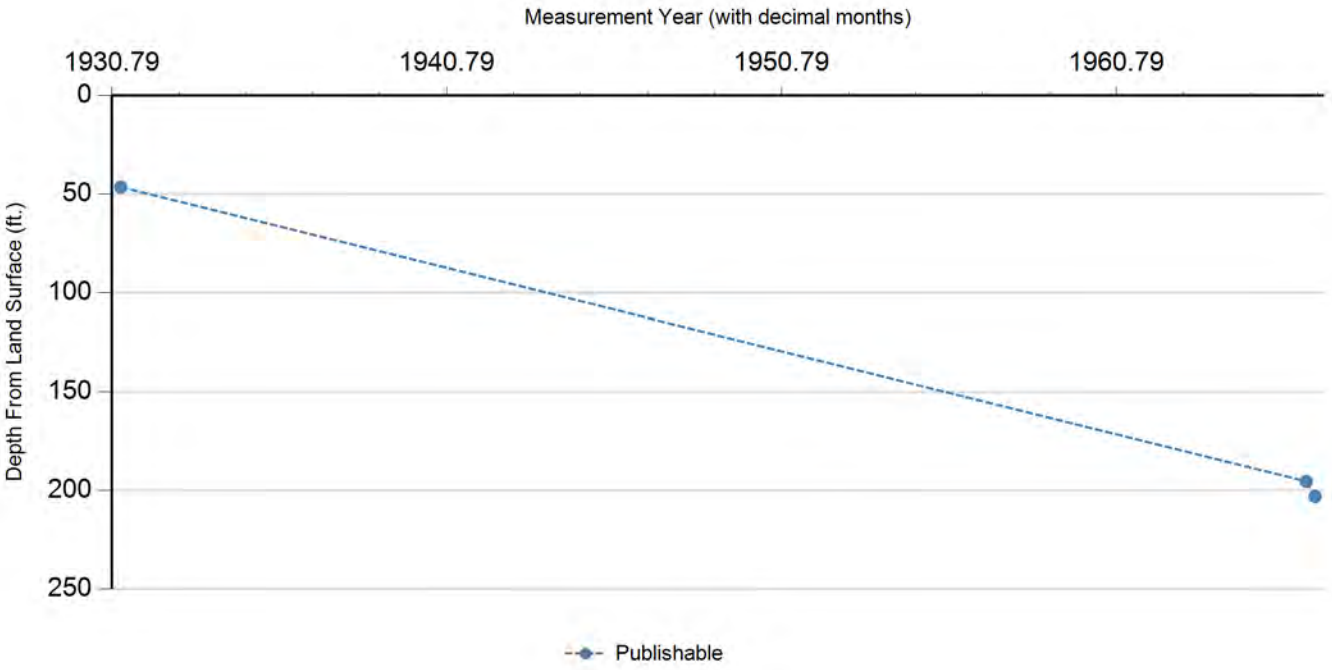
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/19/1931		46.5		9.5	1	Texas Water Development Board	Steel Tape		
P	6/17/1966		195.38	148.88	-139.38	1	U.S. Geological Survey	Steel Tape		
P	9/23/1966		203.01	7.63	-147.01	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/19/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	

Water Quality Analysis

Sample Date: 1/20/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.1	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		54	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		282	mg/L	

Water Quality Analysis

Sample Date: 7/25/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		135	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		53	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		264	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00910	CALCIUM (MG/L)		43	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		153	mg/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.94		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.94		
00932	SODIUM, CALCULATED, PERCENT		43	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		285	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		183.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		224	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		117	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		255	mg/L	

Water Quality Analysis

Sample Date: 1/28/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		198.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		242	mg/L	
00910	CALCIUM (MG/L)		44	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		160	mg/L	
00920	MAGNESIUM (MG/L)		12	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.78		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.59		
00932	SODIUM, CALCULATED, PERCENT		38	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		46	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		268	mg/L	

Water Quality Analysis

Sample Date: 1/16/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-824

Water Quality Analysis

Sample Date: 2/8/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		199.94	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		148	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		581	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6513825 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294716 **Longitude** 952618 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Engineers Fabricators Inc.

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1957 **Depth** 324 **Source of Depth** **Altitude** 68 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Completion
Screen Material
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - Pump Mfr. - **Type -** SUBMERSIBLE PUMP **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1957
-130

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 292 to 318 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-825

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513825
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.787778
Latitude (degrees minutes seconds)	29° 47' 16" N
Longitude (decimal degrees)	-95.438334
Longitude (degrees minutes seconds)	095° 26' 18" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	68
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	324
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1957
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Engineers Fabricators Inc.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 292 to 318 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

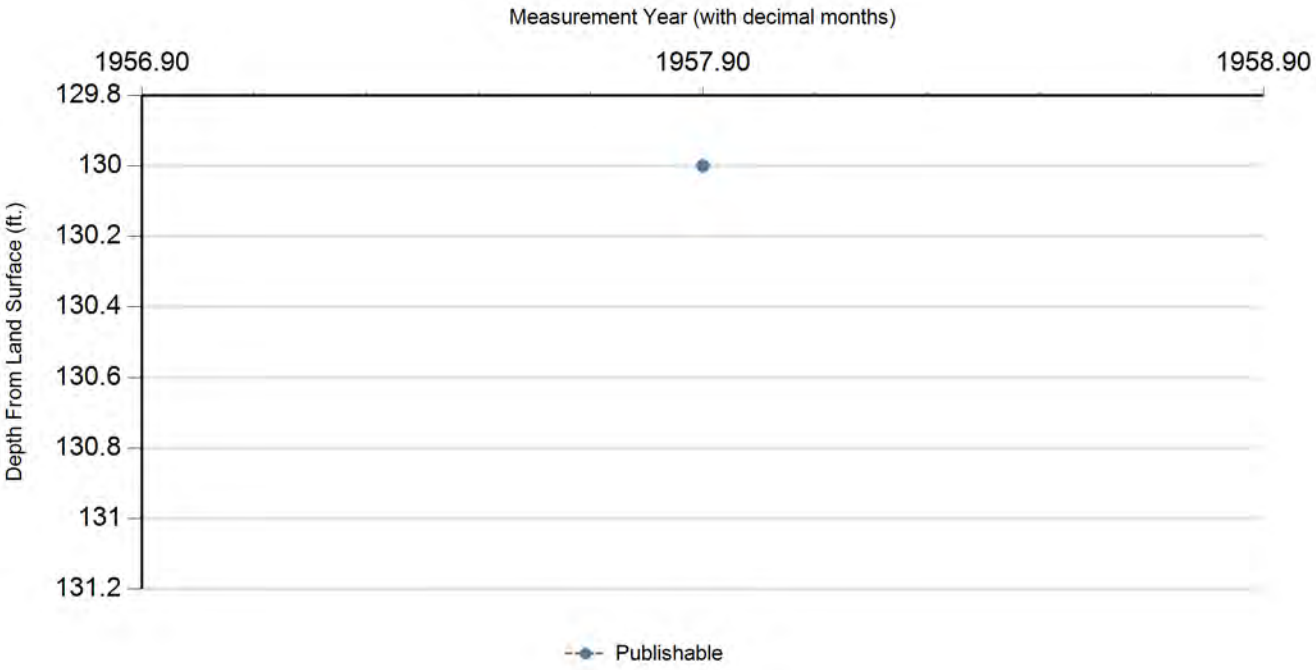
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-825

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/0/1957		130		-62	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 65 3828 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294705 **Longitude** 952658 **Source of Coords** 2

Owner's Well No. **Location**

Owner
Austin Bros. Steel Co.

Driller
Pomeroy Drilling Co.

Address **Tenant/Oper.**

Date Drilled / /1956 **Depth** 394 **Source of Depth** **Altitude** 70 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION **Const-Method** **Casing Material**

Completion **Screen Material**

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____to____

LIFT DATA - **Pump Mfr. -** **Type -** TURBINE PUMP **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1956
-158

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 374 to 394 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-828

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513828
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.784722
Latitude (degrees minutes seconds)	29° 47' 05" N
Longitude (decimal degrees)	-95.449445
Longitude (degrees minutes seconds)	095° 26' 58" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	70
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	394
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1956
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Austin Bros. Steel Co.
Driller	Pomeroy Drilling Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 374 to 394 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

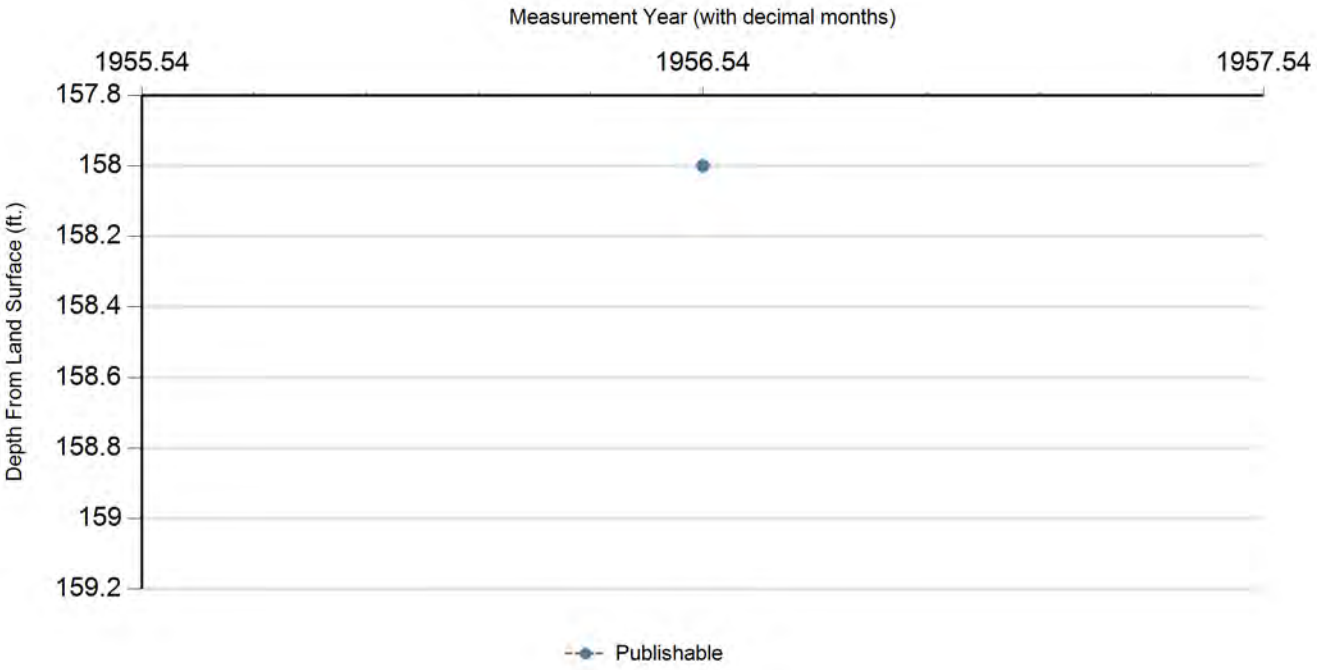
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/16/1956		158		-88	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-829

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513829
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.752501
Latitude (degrees minutes seconds)	29° 45' 09" N
Longitude (decimal degrees)	-95.444722
Longitude (degrees minutes seconds)	095° 26' 41" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	431
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1964
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	J. Brian Eby
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 391 to 431 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

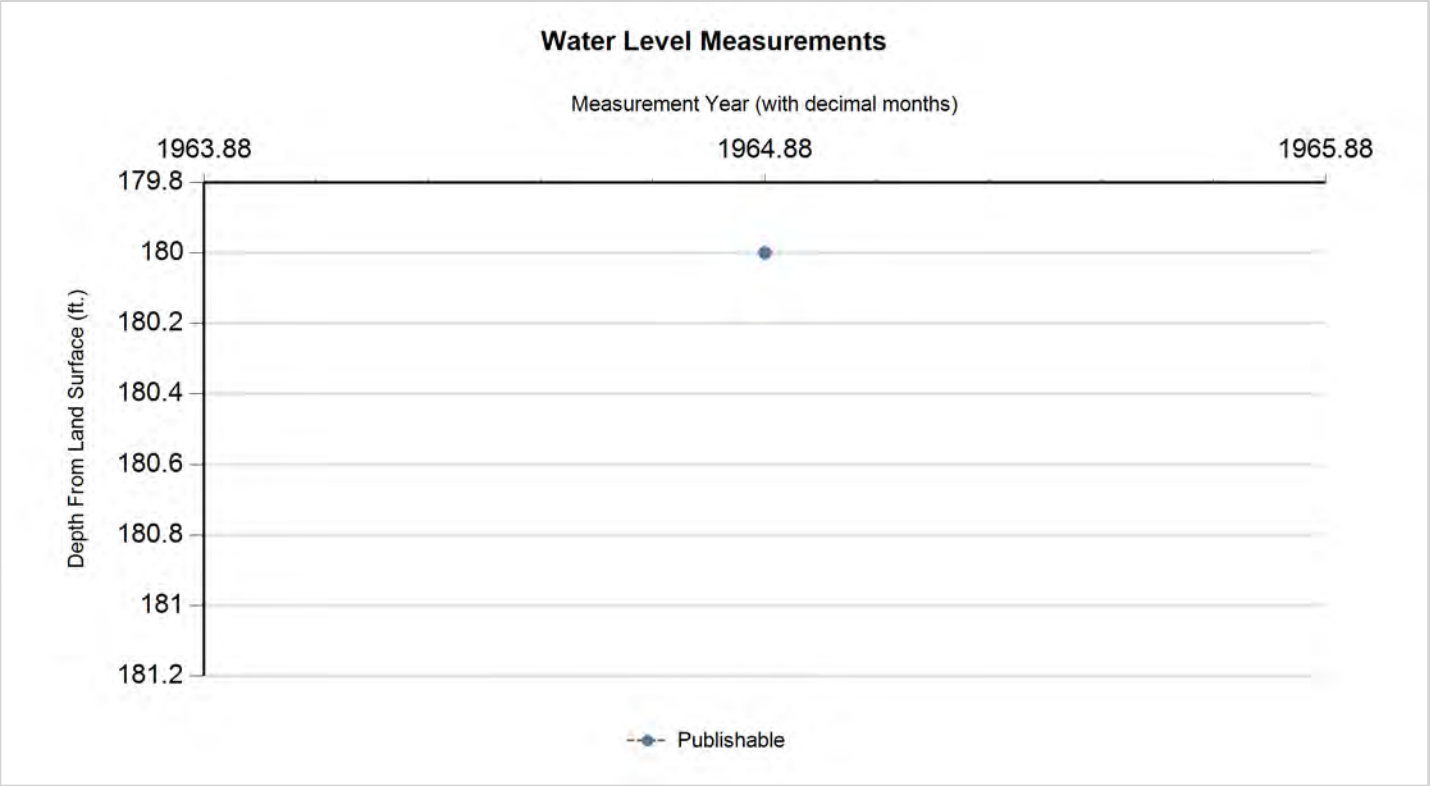
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/20/1964		180		-125	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6513830 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294722 **Longitude** 952600 **Source of Coords** 2

Owner's Well No. **Location**

Owner
Production Die Casting Co.

Driller
T. C. Bussell & Sons

Address **Tenant/Oper.**

Date Drilled / /1962 **Depth** 310 **Source of Depth** **Altitude** 65 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to____

LIFT DATA - Pump Mfr. - **Type -** SUBMERSIBLE PUMP **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1962
-127

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 280 to 305 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-830

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513830
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.789445
Latitude (degrees minutes seconds)	29° 47' 22" N
Longitude (decimal degrees)	-95.433334
Longitude (degrees minutes seconds)	095° 26' 00" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	65
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	310
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1962
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Production Die Casting Co.
Driller	T. C. Bussell & Sons
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 280 to 305 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

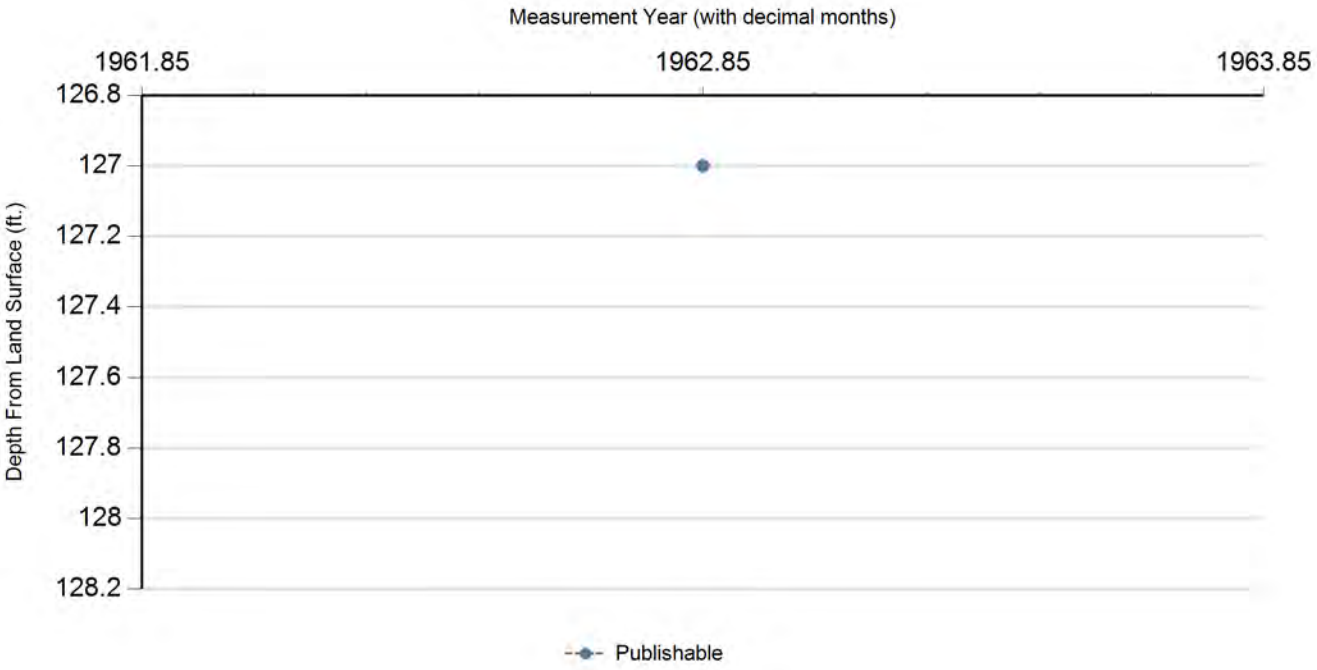
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/12/1962		127		-62	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6513831 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294709 **Longitude** 952702 **Source of Coords** 2

Owner's Well No. **Location**

Owner
American Porcelain
Enameling, Inc.

Driller
Lowry Water Wells

Address **Tenant/Oper.**

Date Drilled / /1969 **Depth** 438 **Source of Depth** **Altitude** 71 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from____to____

LIFT DATA - Pump Mfr. - **Type -** SUBMERSIBLE PUMP **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1969
-200

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 413 to 438 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-831

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513831
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.785834
Latitude (degrees minutes seconds)	29° 47' 09" N
Longitude (decimal degrees)	-95.450556
Longitude (degrees minutes seconds)	095° 27' 02" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	71
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	438
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1969
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	American Porcelain Enameling, Inc.
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 413 to 438 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

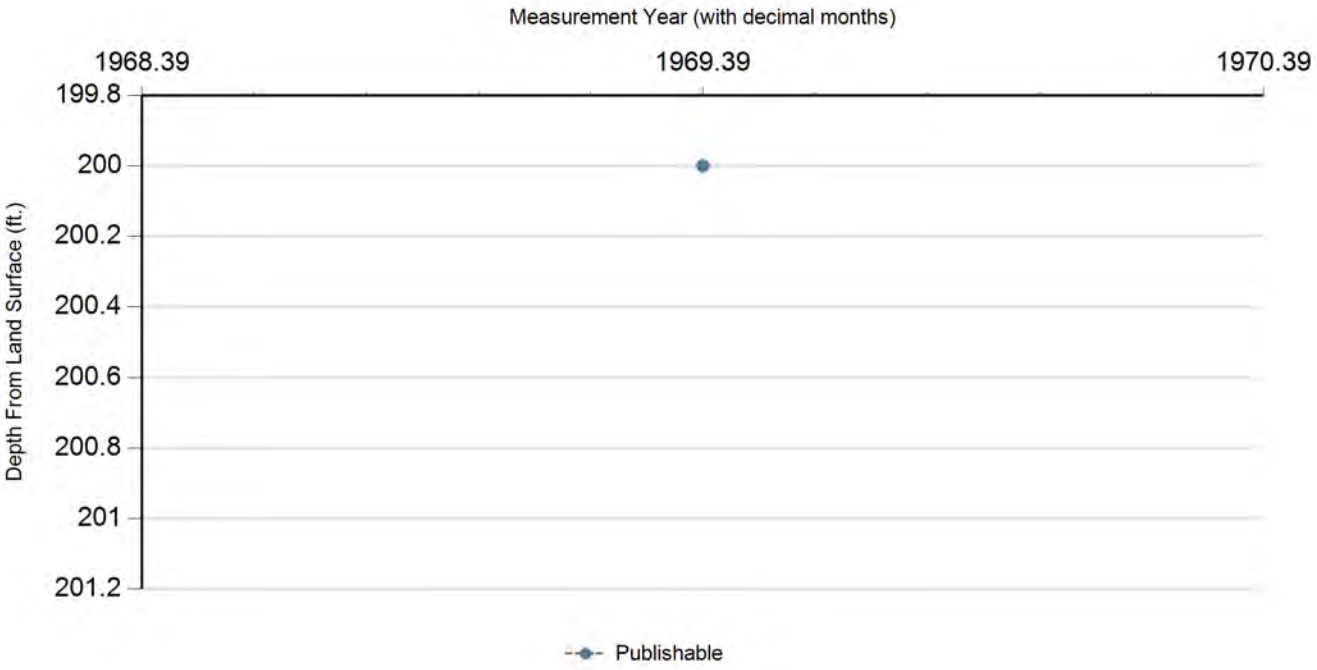
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/23/1969		200		-129	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6513832 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294703 **Longitude** 952615 **Source of Coords** 2

Owner's Well No. **Location**

Owner
Houston Materials

Driller
Walker Well Service

Address **Tenant/Oper.**

Date Drilled / /1969 **Depth** 320 **Source of Depth** **Altitude** 67 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____to____

LIFT DATA - **Pump Mfr. -** **Type -** SUBMERSIBLE PUMP **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1969
-180

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 310 to 320 ft.
Yield: 50 gpm with 20 ft. drawdwon when drilled.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-832

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513832
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.784167
Latitude (degrees minutes seconds)	29° 47' 03" N
Longitude (decimal degrees)	-95.4375
Longitude (degrees minutes seconds)	095° 26' 15" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	67
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	320
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1969
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Houston Materials
Driller	Walker Well Service
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 310 to 320 ft. Yield: 50 gpm with 20 ft. drawdwon when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

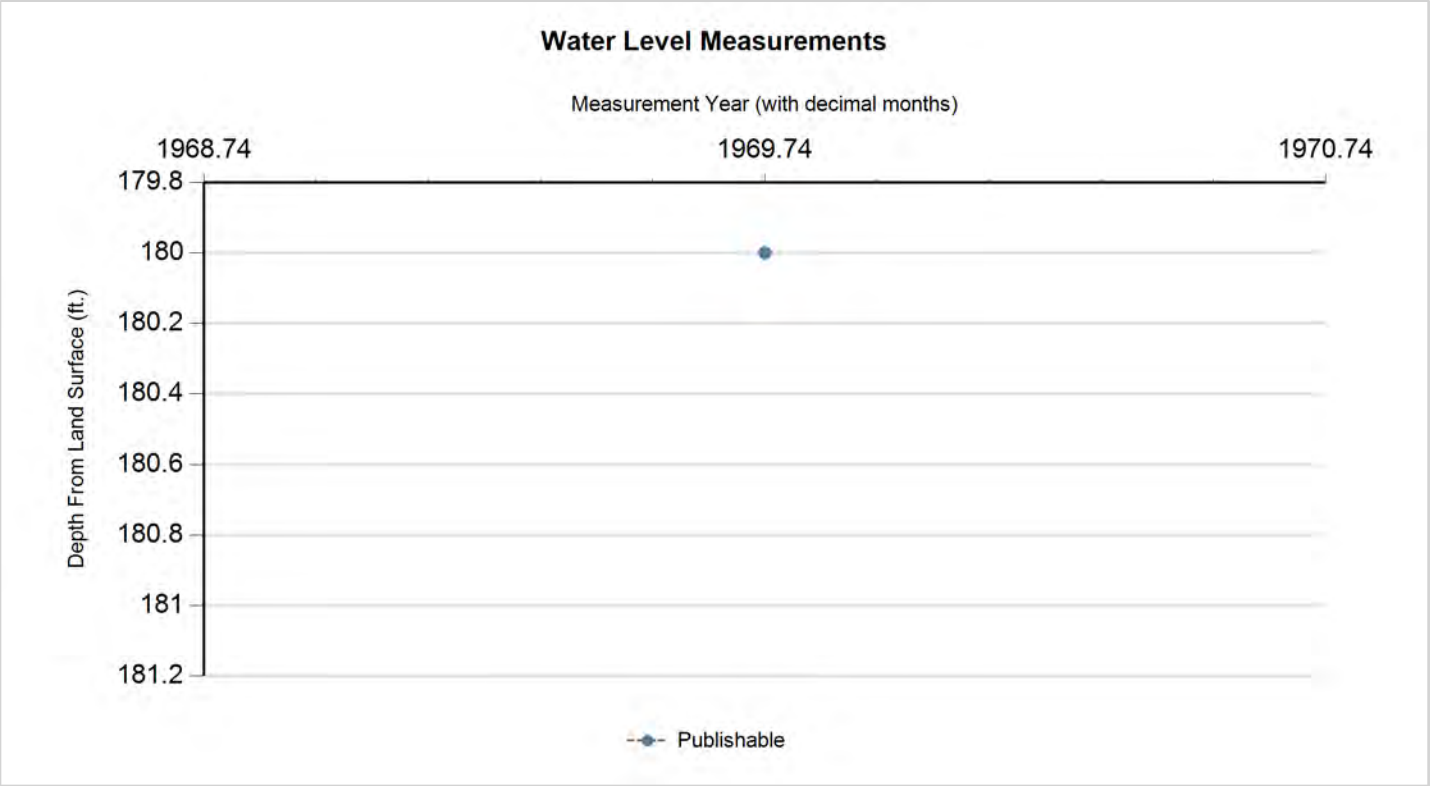
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/2/1969		180		-113	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-833

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513833
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.756945
Latitude (degrees minutes seconds)	29° 45' 25" N
Longitude (decimal degrees)	-95.4225
Longitude (degrees minutes seconds)	095° 25' 21" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	633
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1969
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Irrigation
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	J. Ray McDermott
Driller	A. Chrysty Kuhlmann
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 593 to 633 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

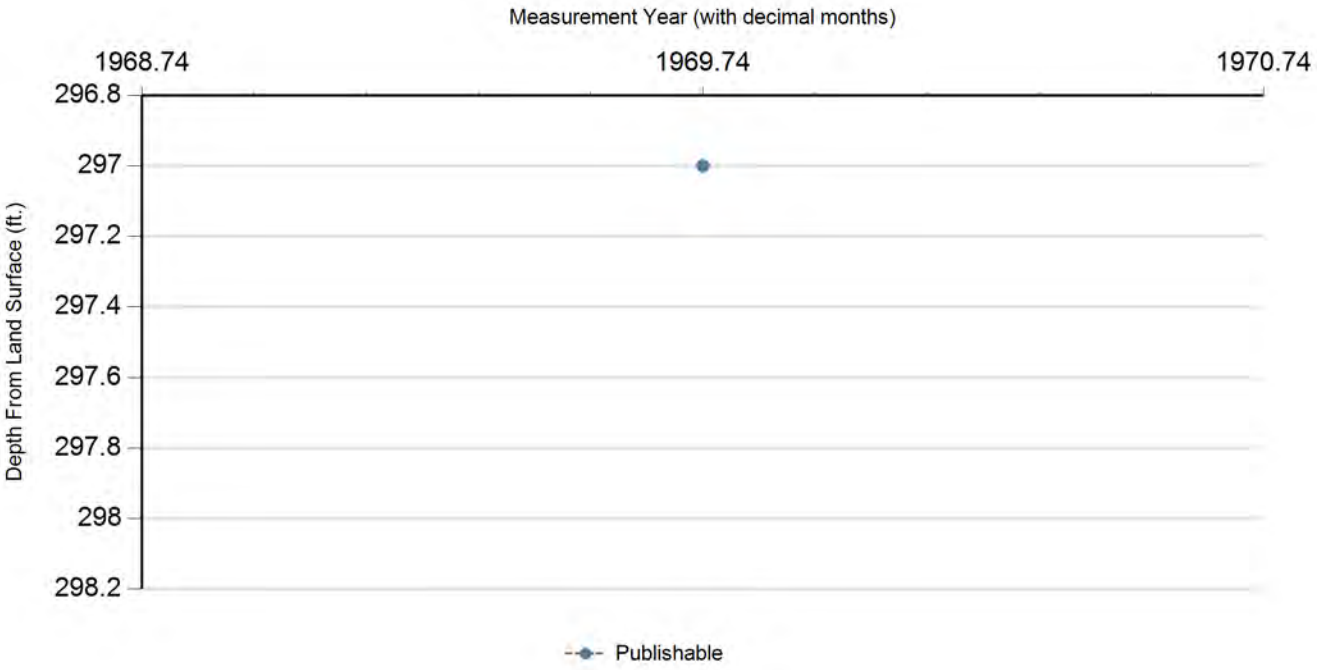
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/0/1969		297		-257	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-837

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513837
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.751945
Latitude (degrees minutes seconds)	29° 45' 07" N
Longitude (decimal degrees)	-95.441945
Longitude (degrees minutes seconds)	095° 26' 31" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	321
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1985
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Lestos Co.
Driller	Almeda Water
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/5/1997
Last Update Date	6/5/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 838 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 00 Longitude - 95 26 44 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - USGS EUREKA HTS Driller - USGS
UPSIDE

Address _____ Tenant/Oper. _____
Date Drilled - / /1978 Depth - 36 ft. Source of Depth - D Altitude - 65 ft. Source of Alt. - M
Aquifer - 112CHCTU CHICOT AQUIFER,UPPER Well Type - W User -

WELL CONSTRUCTION Const. Method - _____ Casing Material - PVC, FIBERGLASS, OTHER PLASTIC
Screen Material - _____
Completion - SCREEN

LIFT DATA - Pump Mfr. _____ Type - _____ No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- Quality- Logs- Other Data-

WATER LEVELS Date- 09/18/1978 Measurement- -14.24
Date- 09/23/1996 Measurement- -12.53

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -

Aquifer - 112CHCTU
Well No. - 65 13 838

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-838

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513838
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.783611
Latitude (degrees minutes seconds)	29° 47' 01" N
Longitude (decimal degrees)	-95.445834
Longitude (degrees minutes seconds)	095° 26' 45" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	65
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	36
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1978
Drilling Method	
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	USGS EUREKA HTS
Driller	USGS UPSIDE
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	10/7/2003
Last Update Date	10/7/2003

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

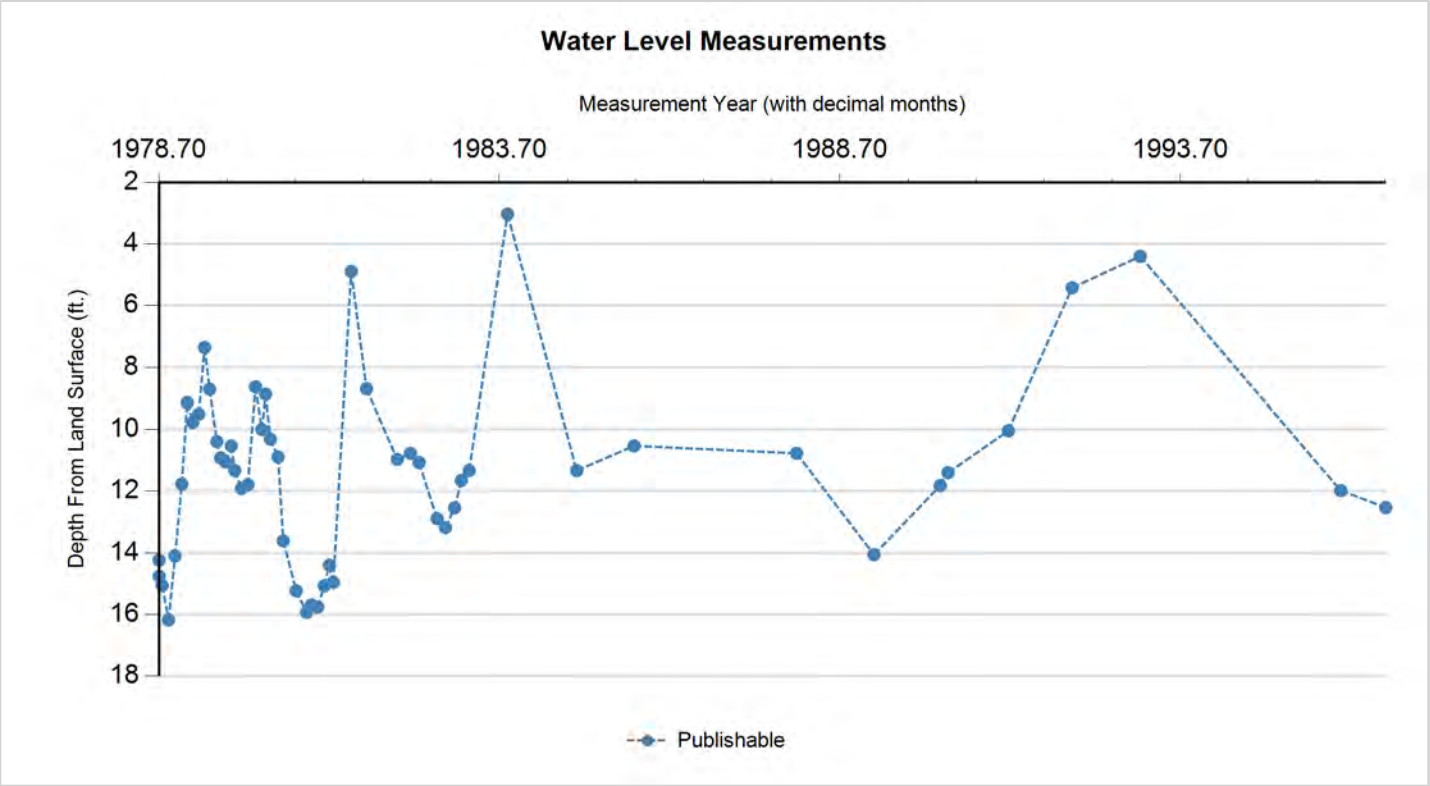
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/18/1978		14.24		50.76	1	U.S. Geological Survey	Steel Tape		
P	9/19/1978		14.76	0.52	50.24	1	U.S. Geological Survey	Steel Tape		
P	10/5/1978		15.06	0.30	49.94	1	U.S. Geological Survey	Steel Tape		
P	11/9/1978		16.18	1.12	48.82	1	U.S. Geological Survey	Steel Tape		
P	12/14/1978		14.1	(2.08)	50.9	1	U.S. Geological Survey	Steel Tape		
P	1/15/1979		11.77	(2.33)	53.23	1	U.S. Geological Survey	Steel Tape		
P	2/14/1979		9.14	(2.63)	55.86	1	U.S. Geological Survey	Steel Tape		
P	3/14/1979		9.77	0.63	55.23	1	U.S. Geological Survey	Steel Tape		
P	4/16/1979		9.5	(0.27)	55.5	1	U.S. Geological Survey	Steel Tape		
P	5/17/1979		7.36	(2.14)	57.64	1	U.S. Geological Survey	Steel Tape		
P	6/14/1979		8.71	1.35	56.29	1	U.S. Geological Survey	Steel Tape		
P	7/23/1979		10.39	1.68	54.61	1	U.S. Geological Survey	Steel Tape		
P	8/13/1979		10.92	0.53	54.08	1	U.S. Geological Survey	Steel Tape		
P	9/10/1979		11.05	0.13	53.95	1	U.S. Geological Survey	Steel Tape		
P	10/10/1979		10.53	(0.52)	54.47	1	U.S. Geological Survey	Steel Tape		
P	10/29/1979		11.33	0.80	53.67	1	U.S. Geological Survey	Steel Tape		
P	12/5/1979		11.91	0.58	53.09	1	U.S. Geological Survey	Steel Tape		
P	1/4/1980		11.79	(0.12)	53.21	1	U.S. Geological Survey	Unknown		
P	2/15/1980		8.63	(3.16)	56.37	1	U.S. Geological Survey	Unknown		
P	3/19/1980		10	1.37	55	1	U.S. Geological Survey	Unknown		
P	4/9/1980		8.87	(1.13)	56.13	1	U.S. Geological Survey	Unknown		

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-838

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/5/1980		10.31	1.44	54.69	1	U.S. Geological Survey	Unknown		
P	6/16/1980		10.89	0.58	54.11	1	U.S. Geological Survey	Unknown		
P	7/14/1980		13.61	2.72	51.39	1	U.S. Geological Survey	Unknown		
P	9/23/1980		15.23	1.62	49.77	1	U.S. Geological Survey	Unknown		
P	11/19/1980		15.93	0.70	49.07	1	U.S. Geological Survey	Unknown		
P	12/15/1980		15.69	(0.24)	49.31	1	U.S. Geological Survey	Unknown		
P	1/13/1981		15.76	0.07	49.24	1	U.S. Geological Survey	Unknown		
P	2/19/1981		15.07	(0.69)	49.93	1	U.S. Geological Survey	Unknown		
P	3/16/1981		14.4	(0.67)	50.6	1	U.S. Geological Survey	Unknown		
P	4/7/1981		14.96	0.56	50.04	1	U.S. Geological Survey	Unknown		
P	7/13/1981		4.89	(10.07)	60.11	1	U.S. Geological Survey	Unknown		
P	10/5/1981		8.69	3.80	56.31	1	U.S. Geological Survey	Unknown		
P	3/15/1982		10.97	2.28	54.03	1	U.S. Geological Survey	Unknown		
P	5/25/1982		10.77	(0.20)	54.23	1	U.S. Geological Survey	Unknown		
P	7/12/1982		11.07	0.30	53.93	1	U.S. Geological Survey	Unknown		
P	10/18/1982		12.89	1.82	52.11	1	U.S. Geological Survey	Unknown		
P	12/3/1982		13.18	0.29	51.82	1	U.S. Geological Survey	Unknown		
P	1/17/1983		12.54	(0.64)	52.46	1	U.S. Geological Survey	Unknown		
P	2/23/1983		11.65	(0.89)	53.35	1	U.S. Geological Survey	Unknown		
P	4/5/1983		11.33	(0.32)	53.67	1	U.S. Geological Survey	Unknown		
P	11/1/1983		3.03	(8.30)	61.97	1	U.S. Geological Survey	Unknown		
P	11/7/1984		11.33	8.30	53.67	1	U.S. Geological Survey	Unknown		
P	9/9/1985		10.53	(0.80)	54.47	1	U.S. Geological Survey	Unknown		
P	1/25/1988		10.77	0.24	54.23	1	U.S. Geological Survey	Unknown		
P	3/15/1989		14.06	3.29	50.94	1	U.S. Geological Survey	Steel Tape		
P	3/5/1990		11.82	(2.24)	53.18	1	U.S. Geological Survey	Steel Tape		
P	4/17/1990		11.4	(0.42)	53.6	1	U.S. Geological Survey	Steel Tape		
P	3/5/1991		10.04	(1.36)	54.96	1	U.S. Geological Survey	Steel Tape		
P	2/12/1992		5.42	(4.62)	59.58	1	U.S. Geological Survey	Steel Tape		
P	2/12/1993		4.4	(1.02)	60.6	1	U.S. Geological Survey	Steel Tape		
P	1/22/1996		11.98	7.58	53.02	1	U.S. Geological Survey	Steel Tape		
P	9/23/1996		12.53	0.55	52.47	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 839 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 58 Longitude - 95 26 42 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - USGS EUREKA HTS Driller - USGS
DOWNSIDE

Address _____ Tenant/Oper. _____
Date Drilled - / /1978 Depth - 55 ft. Source of Depth - D Altitude - 65 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User -

WELL CONSTRUCTION Const. Method - _____ Casing Material - PVC, FIBERGLASS, OTHER PLASTIC
Completion - SCREEN Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - _____ No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- Quality- Logs- Other Data-

WATER LEVELS Date- 09/19/1978 Measurement- -4.48
Date- 09/23/1996 Measurement- -13.72

Recorded By _____ Date Record Collected or Updated- / /

Casing or Blank Pipe (C) Well Screen or Slotted Zone (Open Hole (O) Cemented from_____to_____		
	Diam. (in.)	Setting(feet) From To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
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18		
19		

Reporting Agency -
REMARKS -

Aquifer - 112CHCT
Well No. - 65 13 839

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-839

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513839
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.783055
Latitude (degrees minutes seconds)	29° 46' 59" N
Longitude (decimal degrees)	-95.445278
Longitude (degrees minutes seconds)	095° 26' 43" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	65
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	55
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1978
Drilling Method	
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	USGS EUREKA HTS
Driller	USGS DOWNSIDE
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	10/7/2003
Last Update Date	10/7/2003

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

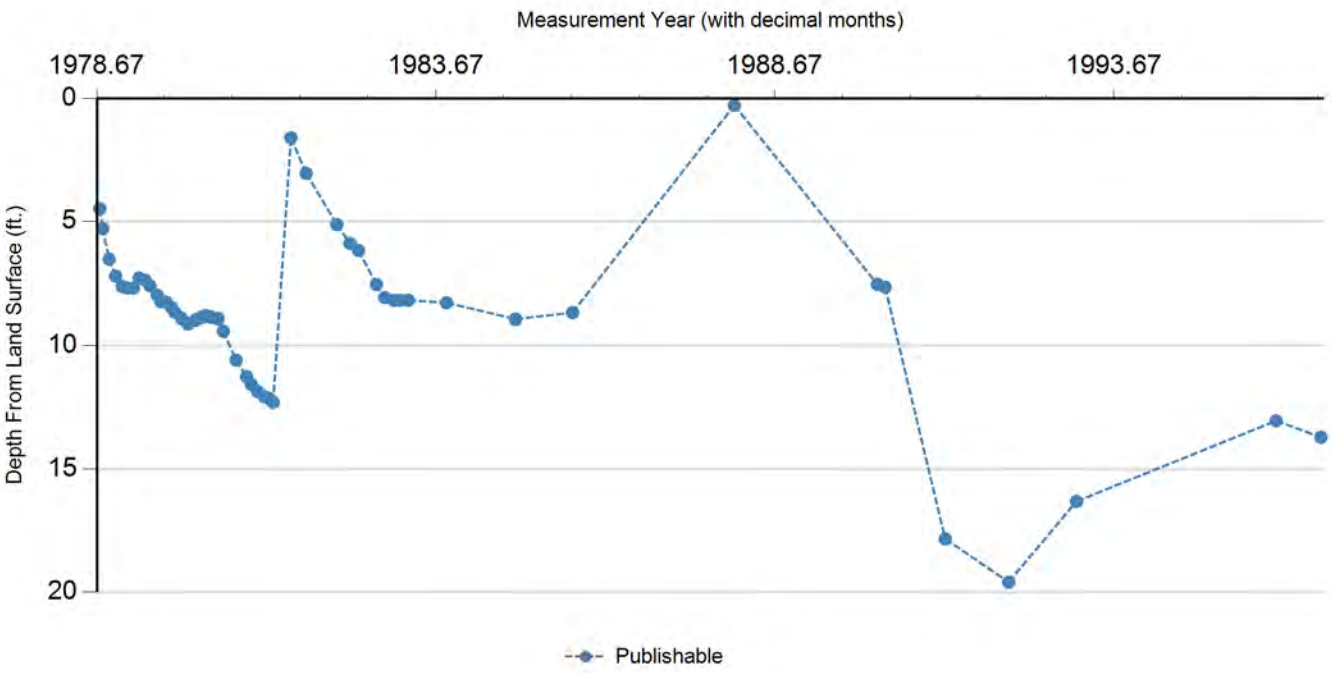
Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-839

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/19/1978		4.48		60.52	1	U.S. Geological Survey	Steel Tape		
P	10/5/1978		5.28	0.80	59.72	1	U.S. Geological Survey	Steel Tape		
P	11/9/1978		6.52	1.24	58.48	1	U.S. Geological Survey	Steel Tape		
P	12/14/1978		7.21	0.69	57.79	1	U.S. Geological Survey	Steel Tape		
P	1/15/1979		7.63	0.42	57.37	1	U.S. Geological Survey	Steel Tape		
P	2/14/1979		7.7	0.07	57.3	1	U.S. Geological Survey	Steel Tape		
P	3/14/1979		7.7	0.00	57.3	1	U.S. Geological Survey	Steel Tape		
P	4/16/1979		7.29	(0.41)	57.71	1	U.S. Geological Survey	Steel Tape		
P	5/17/1979		7.37	0.08	57.63	1	U.S. Geological Survey	Steel Tape		
P	6/14/1979		7.6	0.23	57.4	1	U.S. Geological Survey	Steel Tape		
P	7/23/1979		7.98	0.38	57.02	1	U.S. Geological Survey	Steel Tape		
P	8/13/1979		8.25	0.27	56.75	1	U.S. Geological Survey	Steel Tape		
P	9/10/1979		8.26	0.01	56.74	1	U.S. Geological Survey	Steel Tape		
P	10/10/1979		8.48	0.22	56.52	1	U.S. Geological Survey	Steel Tape		
P	10/29/1979		8.68	0.20	56.32	1	U.S. Geological Survey	Steel Tape		
P	12/5/1979		8.92	0.24	56.08	1	U.S. Geological Survey	Steel Tape		
P	1/4/1980		9.13	0.21	55.87	1	U.S. Geological Survey	Unknown		
P	2/15/1980		8.98	(0.15)	56.02	1	U.S. Geological Survey	Unknown		
P	3/19/1980		8.86	(0.12)	56.14	1	U.S. Geological Survey	Unknown		
P	4/9/1980		8.81	(0.05)	56.19	1	U.S. Geological Survey	Unknown		
P	5/5/1980		8.85	0.04	56.15	1	U.S. Geological Survey	Unknown		

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-13-839

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/16/1980		8.93	0.08	56.07	1	U.S. Geological Survey	Unknown		
P	7/14/1980		9.42	0.49	55.58	1	U.S. Geological Survey	Unknown		
P	9/23/1980		10.59	1.17	54.41	1	U.S. Geological Survey	Unknown		
P	11/19/1980		11.26	0.67	53.74	1	U.S. Geological Survey	Unknown		
P	12/15/1980		11.58	0.32	53.42	1	U.S. Geological Survey	Unknown		
P	1/13/1981		11.86	0.28	53.14	1	U.S. Geological Survey	Unknown		
P	2/19/1981		12.07	0.21	52.93	1	U.S. Geological Survey	Unknown		
P	3/16/1981		12.14	0.07	52.86	1	U.S. Geological Survey	Unknown		
P	4/7/1981		12.3	0.16	52.7	1	U.S. Geological Survey	Unknown		
P	7/13/1981		1.6	(10.70)	63.4	1	U.S. Geological Survey	Unknown		
P	10/5/1981		3.04	1.44	61.96	1	U.S. Geological Survey	Unknown		
P	3/15/1982		5.12	2.08	59.88	1	U.S. Geological Survey	Unknown		
P	5/25/1982		5.88	0.76	59.12	1	U.S. Geological Survey	Unknown		
P	7/12/1982		6.17	0.29	58.83	1	U.S. Geological Survey	Unknown		
P	10/18/1982		7.55	1.38	57.45	1	U.S. Geological Survey	Unknown		
P	12/3/1982		8.08	0.53	56.92	1	U.S. Geological Survey	Unknown		
P	1/17/1983		8.19	0.11	56.81	1	U.S. Geological Survey	Unknown		
P	2/23/1983		8.19	0.00	56.81	1	U.S. Geological Survey	Unknown		
P	4/5/1983		8.19	0.00	56.81	1	U.S. Geological Survey	Unknown		
P	11/1/1983		8.29	0.10	56.71	1	U.S. Geological Survey	Unknown		
P	11/7/1984		8.95	0.66	56.05	1	U.S. Geological Survey	Unknown		
P	9/9/1985		8.69	(0.26)	56.31	1	U.S. Geological Survey	Unknown		
P	1/25/1988		0.28	(8.41)	64.72	1	U.S. Geological Survey	Unknown		
P	3/5/1990		7.54	7.26	57.46	1	U.S. Geological Survey	Steel Tape		
P	4/17/1990		7.66	0.12	57.34	1	U.S. Geological Survey	Steel Tape		
P	3/5/1991		17.84	10.18	47.16	1	U.S. Geological Survey	Steel Tape		
P	2/12/1992		19.59	1.75	45.41	1	U.S. Geological Survey	Steel Tape		
P	2/12/1993		16.32	(3.27)	48.68	1	U.S. Geological Survey	Steel Tape		
P	1/22/1996		13.05	(3.27)	51.95	1	U.S. Geological Survey	Steel Tape		
P	9/23/1996		13.72	0.67	51.28	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-840

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513840
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.750556
Latitude (degrees minutes seconds)	29° 45' 02" N
Longitude (decimal degrees)	-95.426111
Longitude (degrees minutes seconds)	095° 25' 34" W
Coordinate Source	+/- 1 Second
Aquifer Code	112GLFC - Gulf Coast Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	471
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1987
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Irrigation
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harry Holmes
Driller	Almeda
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	4/9/1990
Last Update Date	6/4/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 902 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 04 Longitude - 95 23 32 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Washington Laundry Driller - A. Chrysty Kuhlmann

Address _____ Tenant/Oper. _____
Date Drilled - / /1958 Depth - 487 ft. Source of Depth - Altitude - 54 ft. Source of Alt. -
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - _____ No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 10/23/1950 Measurement- -197.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 09/30/2002

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB R178: Screen from 447 to
487 ft.

Aquifer - 112CHCTL
Well No. - 65 13 902

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-902

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513902
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.767778
Latitude (degrees minutes seconds)	29° 46' 04" N
Longitude (decimal degrees)	-95.392222
Longitude (degrees minutes seconds)	095° 23' 32" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	487
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1936
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Washington Laundry
Driller	A. Chrysty Kuhlmann
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	2/5/2013

Remarks	TWDB R178: Screen from 447 to 487 ft. Well was originally drilled to 493' in 1936. It appears well was redone in 1958. Well 629 in Report M-133.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

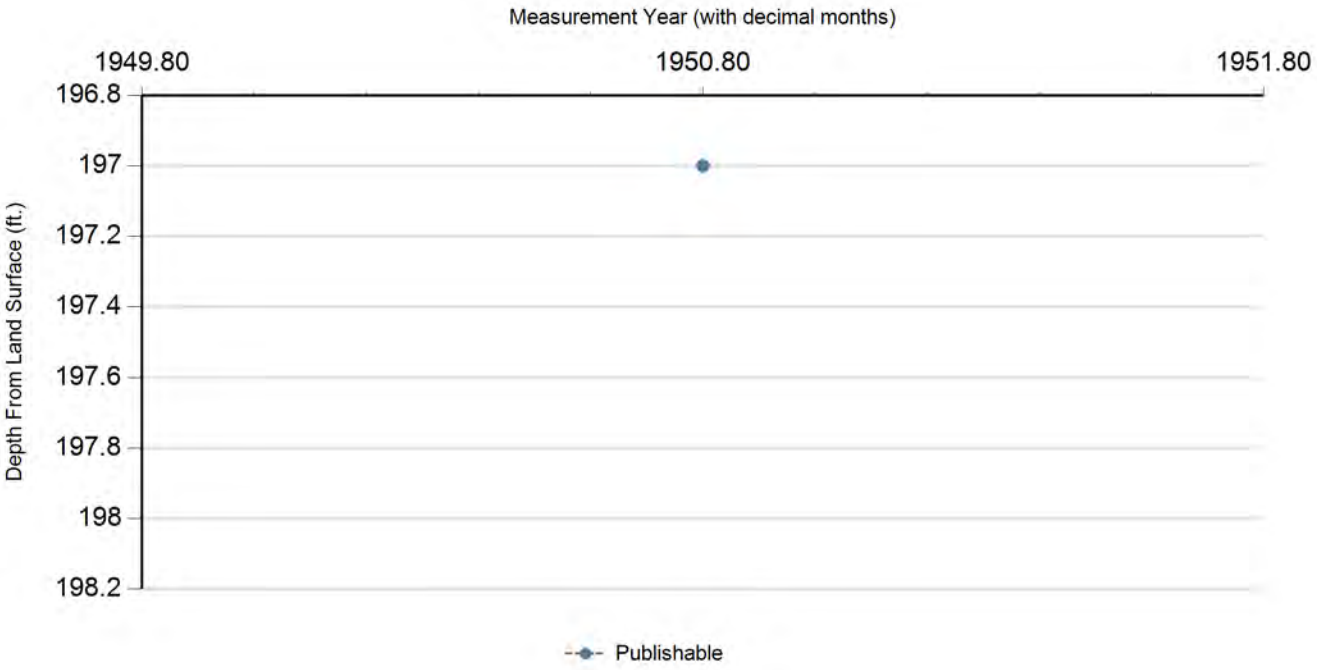
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/23/1950		197		-143	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-903

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by McAdoo Naftel & Gabrysch (1961) (1963) Source of data File Date 2-16-68 Map 1:24000 Houston Heights 1955

State Texas 48 County (or town) Harris LJ

Latitude: 29 45 37 N (deg, min, sec) Longitude: 095 22 58 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-13-903 Other number: C-19 (B & M)

Local use: Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Central Plant.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (F) Oil-gas, (R) Recharge, (Y) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1948 - Annual A Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 2-27-48 A Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-Log (0-2510) T-35 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1980 ft 1980 Meas. rept Driller accuracy 3

Depth cased: (first perf.) 1160 ft 1160 Casing type: S ; Diam. 24-13-12 in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen) ?, (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: Apr. 1948 948 Pump intake setting: ft

Driller: Texas Water Wells, Inc. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other T Deep Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 5 Trans. or meter no.

Descrip. MP Top of Drill pipe +0.5 ft above below LSD Alt. MP

Alt. LSD: 52 52 Accuracy: (source) Topo 5' 3

Water Level 1 hr. S/L 206.60 ft above below MP; Ft above below LSD 206 Accuracy: Meas A

Date meas: 4-13-48 448 Yield: 2480 gpm 2480 Method determined 4

P/L = 266.68 Drawdown: 60 ft 60 Accuracy: 4-13-48 Meas 0 Pumping period 96 hrs 96

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-13-903

Well No. LJ-65-13-903

Latitude-longitude 29 d 45 m 37 s (N) 095 d 22 m 58.1 s (W)

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: coastal plain [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [511R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 367 ft [367] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: * 1160 – 1960

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

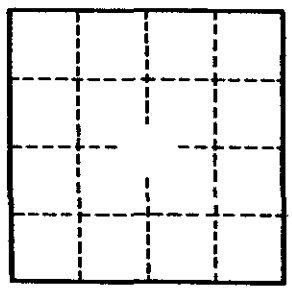
Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: ✓ _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: ✓ _____ gpd/ft^2; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

* Screen:

1160 – 1195	35
1250 – 1340	90
1360 – 1515	155
1595 – 1610	15
1660 – 1680	20
1848 – 1860	12
1920 – 1960	40



CSS:

24"	0 – 627
13 3/8"	525 – 1000
12 3/4"	1000 – 1980

Well No. LJ-65-13-903

GPO 857-700

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020971

Latitude ° ' "	Longitude ° ' "	Seq. No.
294537	0952258	01

County code 201 County HARRIS

Well # LJ-65-13-903

Project number 7-4648-01000

Date 2-10-77 Time — Temp°C 29.0

Owner CITY OF HOUSTON

Address CENTRAL C-19

Date drld — WBF code 121 Evgl

Sample interval: (top) 1160 (bottom) 1960

Water level — Appr CLEAR Use PS

Collector D. BUTLER Yield — GPM

Smpld aftr pmpg _____ Depth —

Pt of coll TAP ON DISCHARGE

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule _____

Other I

Herbicide _____ Insecticide _____

Remarks:

Type 2 (1) Station identification number 294537095225801 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1160	04	
Sample interval BOTTOM	72016	1960	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		29.0
pH	00400	8500	01		8.5
Specific conductance	00095	6680	03		668
HCO_3	00440	3080	03		308
CO_3	00445	8000	01		8
Chloride (Cl)	00940	5400	02		54
Sulfate (SO_4)	00945	6000	01		6.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

648

TX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017560

Latitude ° ' " 29 45 37 | Longitude ° ' " 095 22 58 | Seq. No. 01

County code 201 County Harris

Well # EV-65-13-903

Project number 4648-01000

Date 2-11-76 Time — Temp°C 29.0

Owner City of Houston

Address Central C-19

Date drld — WBF code 121EVGL

Sample interval: (top) 1160 (bottom) 1960

Water level — Apprclear Use PS

Collector Vattel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform | Phenols | Minors

Nutrients | MBAS | BOD | TOC | DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 | Station identification number 29453709522580 1

1 2 9 16

Y M D: 76 02 11 (17 Begin 22)

Time of measurement: (29 32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1160	04	
Sample interval BOTTOM	72016	1960	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		27.0
pH	00400	8100	01		8.1
Specific conductance	00095	6640	03		664
HCO_3	00440	3190	03		319
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5200	02		52
Sulfate (SO_4)	00945	6800	01		6.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
294537	0952258	01

County code ~~LJ~~ 201 County Harris

Well # LJ-65-13-903

Project number 5-4648-01000

Date 2-10-75 Time ____ Temp°C 29.0

Owner City of Houston

Address Central # 19

Date drld 5-48 WBF code 121 EVGL

Sample interval: (top) 1160 (bottom) 1960

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arrival Depth 1980

Pt of coll Fawcet on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO_4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 2945370952258 01 (2–16)

Y M D 75 02 10 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1980	04	
Yield (GPM)	00059			
Sample interval TOP	72015	1160	04	
Sample interval BOTTOM	72016	1960	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		
pH	00400	7900	01		7.9
Specific conductance	00095	6470	03		64
HCO_3	00440	3160	03		316
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4800	02	same	48
Sulfate (SO_4)	00945	6400	01		6.4
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Water Resources Division
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
294537	0952258	01

County code 101 County Harris

Well # LJ-65-13-703

Project number T-4648-01000

Date 9-17-76 Time 1530 Temp°C ?

Owner City of Houston

Address Central NO C-19

Date drld — WBF code 121 Evgl

Sample interval: (top) 1160 (bottom) 1960

Water level — Appr Clear Use PS

Collector Bezant Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

1 chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 2945370952258 01 (2–16)

Y M D 76 09 17 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1160	04	
Sample interval BOTTOM	72016	1960	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010				
pH	00400	8100	01		8.1
Specific conductance	00095	6740	03		674
HCO_3	00440	3250	03		325
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5600	02		56
Sulfate (SO_4)	00945	4400	01		4.4
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

651

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-903

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513903
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.760556
Latitude (degrees minutes seconds)	29° 45' 38" N
Longitude (decimal degrees)	-95.383055
Longitude (degrees minutes seconds)	095° 22' 59" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1980
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Texas Water Wells, Inc.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/2/2002
Last Update Date	5/2/2002

Remarks	367 ft of screen between 1160 and 1960 ft. Reported yield 2480 gpm with 60 ft of drawdown when drill- ed. Well C-19.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

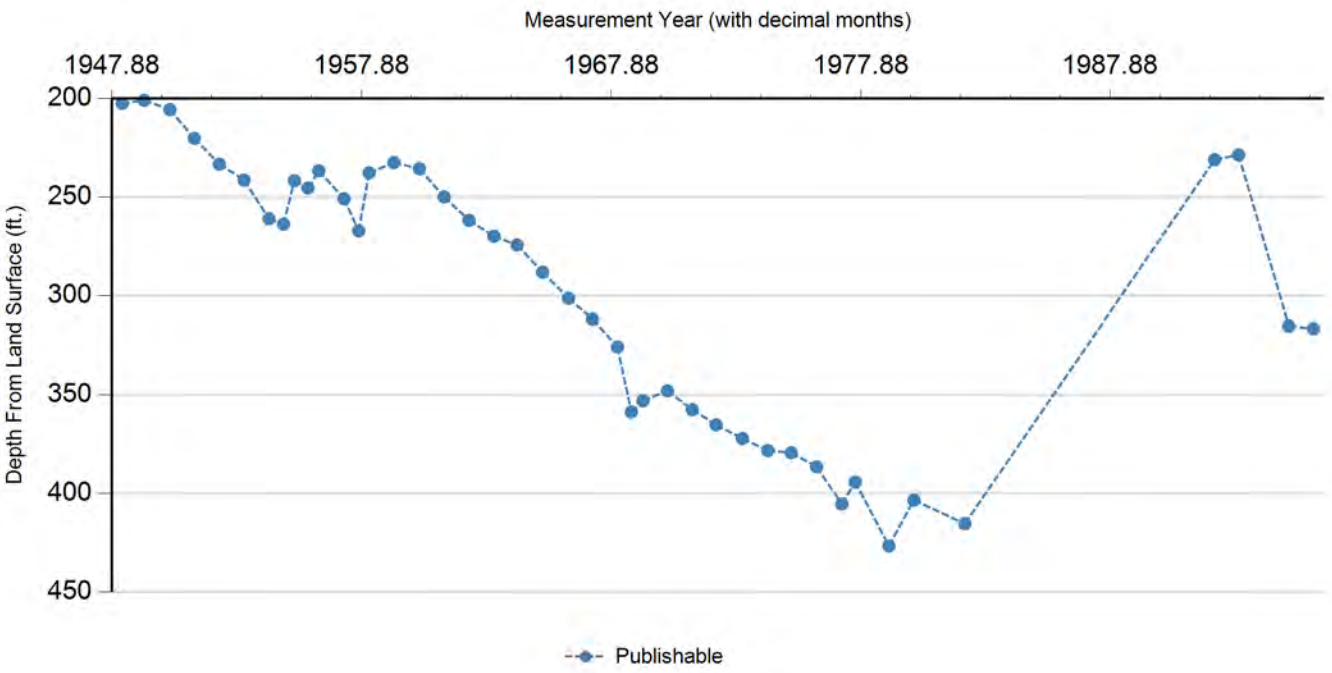
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/17/1948		202.6		-150.6	2	U.S. Geological Survey	Steel Tape		
P	3/4/1949		201	(1.60)	-149	1	U.S. Geological Survey	Steel Tape		
P	3/14/1950		205.71	4.71	-153.71	1	U.S. Geological Survey	Steel Tape		
P	3/6/1951		220.26	14.55	-168.26	1	U.S. Geological Survey	Steel Tape		
P	3/7/1952		233.38	13.12	-181.38	1	U.S. Geological Survey	Steel Tape		
P	3/3/1953		241.39	8.01	-189.39	1	U.S. Geological Survey	Steel Tape		
P	3/3/1954		261.02	19.63	-209.02	1	U.S. Geological Survey	Steel Tape		
P	10/6/1954		263.8	2.78	-211.8	1	U.S. Geological Survey	Steel Tape		
P	3/9/1955		241.75	(22.05)	-189.75	1	U.S. Geological Survey	Steel Tape		
P	9/29/1955		245.45	3.70	-193.45	1	U.S. Geological Survey	Steel Tape		
P	3/2/1956		236.73	(8.72)	-184.73	1	U.S. Geological Survey	Steel Tape		
P	3/7/1957		250.93	14.20	-198.93	1	U.S. Geological Survey	Steel Tape		
P	10/11/1957		267.2	16.27	-215.2	1	U.S. Geological Survey	Steel Tape		
P	3/7/1958		237.8	(29.40)	-185.8	1	U.S. Geological Survey	Steel Tape		
P	3/5/1959		232.57	(5.23)	-180.57	1	U.S. Geological Survey	Steel Tape		
P	3/14/1960		235.7	3.13	-183.7	1	U.S. Geological Survey	Steel Tape		
P	3/10/1961		249.97	14.27	-197.97	1	U.S. Geological Survey	Steel Tape		
P	3/9/1962		261.85	11.88	-209.85	1	U.S. Geological Survey	Steel Tape		
P	3/8/1963		269.91	8.06	-217.91	1	U.S. Geological Survey	Steel Tape		
P	2/11/1964		274.3	4.39	-222.3	1	U.S. Geological Survey	Steel Tape		
P	2/19/1965		288.08	13.78	-236.08	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-13-903

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/3/1966		301.28	13.20	-249.28	1	U.S. Geological Survey	Steel Tape		
P	2/20/1967		311.8	10.52	-259.8	1	U.S. Geological Survey	Electric Line		
P	2/19/1968		325.72	13.92	-273.72	1	U.S. Geological Survey	Steel Tape		
P	9/13/1968		358.68	32.96	-306.68	1	U.S. Geological Survey	Steel Tape		
P	2/27/1969		352.99	(5.69)	-300.99	1	U.S. Geological Survey	Steel Tape		
P	2/20/1970		347.94	(5.05)	-295.94	1	U.S. Geological Survey	Steel Tape		
P	2/19/1971		357.46	9.52	-305.46	1	U.S. Geological Survey	Steel Tape		
P	2/1/1972		365.19	7.73	-313.19	1	U.S. Geological Survey	Steel Tape		
P	2/21/1973		372.12	6.93	-320.12	1	U.S. Geological Survey	Steel Tape		
P	2/27/1974		378.22	6.10	-326.22	1	U.S. Geological Survey	Steel Tape		
P	2/5/1975		379.3	1.08	-327.3	2	U.S. Geological Survey	Steel Tape		
P	2/11/1976		386.5	7.20	-334.5	2	U.S. Geological Survey	Steel Tape		
P	2/16/1977		405.31	18.81	-353.31	2	U.S. Geological Survey	Steel Tape		
P	9/1/1977		394.16	(11.15)	-342.16	1	U.S. Geological Survey	Steel Tape		
P	1/4/1979		426.57	32.41	-374.57	1	U.S. Geological Survey	Steel Tape		
P	1/4/1980		403.34	(23.23)	-351.34	1	U.S. Geological Survey	Steel Tape		
P	1/19/1982		415.28	11.94	-363.28	1	U.S. Geological Survey	Steel Tape		
P	1/23/1992		231.08	(184.20)	-179.08	1	U.S. Geological Survey	Steel Tape		
P	1/7/1993		228.67	(2.41)	-176.67	1	U.S. Geological Survey	Steel Tape		
P	1/12/1995		315.28	86.61	-263.28	1	U.S. Geological Survey	Steel Tape		
P	1/8/1996		316.53	1.25	-264.53	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/27/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		169	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		1000	ug/L	
00910	CALCIUM (MG/L)		3	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		209	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		22	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		1400	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		11.1	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		8.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.29		
00955	SILICA, DISSOLVED (MG/L AS SI02)		44	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		21.96		
00932	SODIUM, CALCULATED, PERCENT		93	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		247	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1260	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		65	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		667	mg/L	

Water Quality Analysis

Sample Date: 4/14/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		280.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00910	CALCIUM (MG/L)		8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.95		
00955	SILICA, DISSOLVED (MG/L AS SI02)		12	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.33		
00932	SODIUM, CALCULATED, PERCENT		90	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		148	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		395	mg/L	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		665	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		56	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		743	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/3/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		331	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		662	MICR	

Water Quality Analysis

Sample Date: 3/3/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		53	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		655	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/5/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		366	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		85	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		833	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/5/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		646	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/10/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		366	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		79	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		794	MICR	

Water Quality Analysis

Sample Date: 3/14/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		259.02	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		316	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		631	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/8/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		258.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		315	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		39	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		633	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/25/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		301.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		368	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		72	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		792	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 2/15/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		339.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		414	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		103	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		948	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 2/16/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		59	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		628	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/23/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		314	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		656	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/2/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		669	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/5/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		662	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/26/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		623	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/10/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		259.02	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		316	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		647	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/11/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		261.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		319	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		664	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/17/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		266.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		325	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		674	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	

Water Quality Analysis

Sample Date: 2/10/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		668	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/5/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		660	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 4/3/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		640	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-903

Water Quality Analysis

Sample Date: 3/20/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		660	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

65-13-404

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-904

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by Lang 1949, McAdoo (Gabrysch 1963) Source of data E.lc Date 2-16-68 Map Houston Heights 1955 1:24000

State Texas 48 County (or town) Harris 201 LJ

Latitude: 29 46 01 N (deg, min, sec) Longitude: 095 22 58 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ____ N S. ____ R ____ W E, Sec ____, ____ ¼, ____ ¼, ____ ¼ ____ B & M

Local well number: LJ-65-13-904 Other number: C-20

Local use: ____ Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Central Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ 67 M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Z) Desal-other, Other ____ 68 P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed 69 W

DATA AVAILABLE: Well data 1 (70) Freq. W/L meas.: ANNUAL 1949 - A (71) Field aquifer char. 72

Hyd. lab. data: 73

Qual. water data; type: 74

Freq. sampling: 3-26-49 A (75) Pumpage inventory: yes no, period: 76

Aperture cards: yes 77

Log data: E-Log (T-32) E 78 79

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1960 ft 1960 Meas. (est) Driller accuracy 24 3

Depth cased: (first perf.) 1015 ft 1015 Casing type: S ; Diam. 24-12 in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen)?, (H) horiz. gallery, (O) open end, (P) perf., screen, (S) sd. pt., (T) shored, (W) open hole, (Z) other ____ G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ H

Date Drilled: Jan 1949 9 4 9 Pump intake setting: ____ ft ____

Driller: Texas Water Wells Inc. (name) Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) hose, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other 7 Deep Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. ____ 5 Trans. or meter no. ____

* Descrip. MP Top of agitator pipe +1.08 ft above below LSD. Alt. MP ____

✓ Alt. LSD: 46 4 6 Accuracy: (source) Topo 5' 3

Water Level 187.10 ft above below MP; Ft above below LSD 186 Accuracy: Meas A

Data meas: 3-28-49 3 4 9 Yield: 243.5 gpm 2435 Method determined 4

P/L = 254.28

Drawdown: 67 ft 67 Accuracy: 3-28-49 Meas 0 Pumping period 96 hrs 96

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc.

* 3-82: Breather hole +4.0

Well No. LT-65-13-504

Latitude-longitude 29 d 46 m 01 s N 095 d 22 m 58 s W

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [51R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 405 ft ✓ [405] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: * 1015 – 1940.

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: ✓ _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: ✓ _____ gpd/ft²; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

* Screen:

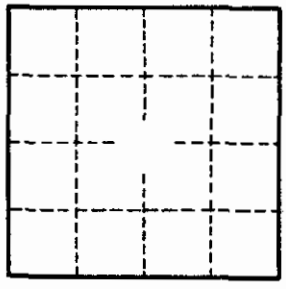
1015 – 1050	35
1100 – 1300	200
1325 – 1340	25
1350 – 1375	25
1395 – 1410	15
1530 – 1545	15
1565 – 1580	15
1850 – 1910	60
1925 – 1940	15

Test well to 2532. E-Log.

1st drill stem test @ 2498 – 2532 cl = 1975 ppm.

2nd test @ 2186 – 2220 cl = 665 ppm

3rd Test @ 1865 – 1900 cl = 104 ppm.



CSG:

24" 0 – 604

12 3/4" 504 – 1960

Well No. LT-65-13-504

GPO 857-700

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-904

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by (Lang 1949) (McAdoo Gabrysch 1963) Source of data File Date 2-16-68 Map Houston Heights 1955 1:24000

State Texas [4 8] County (or town) Harris [L J]

Latitude: 29 46 01 N (deg, min, sec) Longitude: 095 22 58 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼ ___ B & M

Local well number: LJ-65-13-904 Other number: C-20

Local use: Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Central Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1949 - ANNUAL [A] Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 3-26-49 [A] Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-Log (T-32) [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1960 ft [1960] Meas. Rep. Driller accuracy [3]

Depth cased: (first perf.) 1015 ft [1015] Casing type: S ; Diam. 24-12 in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen) ?, (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) ad. pt., (W) shored, (X) open hole, (Z) other [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: Jan 1949 [949] Pump intake setting: ___ ft

Driller: Texas Water Wells, Inc. (name) Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [T] Deep Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. [5] Trans. or meter no.

Descrip. MP Top of agitator pipe +1.08 ft above below LSD. Alt. MP

Alt. LSD: 46 [46] Accuracy: (source) Topo 5' [3]

Water Level 187.10 ft above below MP; Ft above below LSD [186] Accuracy: Meas [A]

Date meas: 3-28-49 [349] Yield: 2435 gpm [2435] Method determined [4]

P/L: 254.28

Drawdown: 67 ft [67] Accuracy: 3-28-49 Meas [0] Pumping period 96 hrs [96]

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-13-904

Well No. LT-65-13-904

Latitude-longitude 29 d 46 m 01 s (N) 095 d 22 m 58 s (W)

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [5|1|R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31)

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 405 ft [405] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: * 1015 - 1940.

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

* Screen:

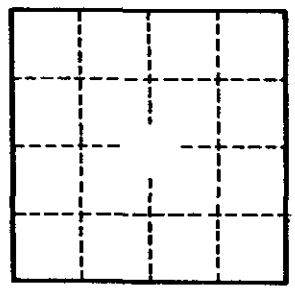
1015 - 1050 35
1100 - 1300 200
1315 - 1340 25
1350 - 1375 25
1395 - 1410 15
1530 - 1545 15
1565 - 1580 15
1850 - 1910 60
1925 - 1940. 15

Test Well to 2532. E-Log.

1st drill stem test @ 2498 - 2532 cl = 19750 ppm.

2nd test @ 2186 - 2220 cl = 665 ppm.

3rd Test @ 1865 - 1900 cl = 104 ppm.



CSG:

24" 0 - 604

12 3/4" 504 - 1960

Well No. LT-65-13-904

GPO 857-700

IX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020972

Latitude ° ' "	Longitude ° ' "	Seq. No.
94601	0952258	01

County code 201 County HARRIS

Well # LJ-65-13-904

Project number 7-4648-01000

Date 2-10-77 Time — Temp°C 27.0

Owner CITY OF HOUSTON

Address CENTRAL C-20

Date drld — WBF code 121 Evg1

Sample interval: (top) 1015 (bottom) 1940

Water level — Appr CLEAR Use PS.

Collector P BUTLER Yield — GPM

Smpld aftr pmpg _____ Depth —

Pt of coll TAP ON DISCHARGE

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform trients — Phenols MBAS BOD — Minors TOC DOC

Std chem schedule _____

Other I

Herbicide _____ Insecticide _____

Remarks:

Type 2 (1) — Station identification number 294601095225801 (2–16)

Y M D (17–22) Begin — Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1015	04	
Sample interval BOTTOM	72016	1940	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	8100	01		8.1
Specific conductance	00095	7140	03		714
HCO_3	00440	3270	03		327
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6700	02		67
Sulfate (SO_4)	00945	8000	01		8.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

684

Water [illegible]
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 46 01	095 22 58	01

nty code 101 County Harris

Well # LJ-65-13-904

Project number T-4648-01000

Date 9-17-76 Time 1230 Temp°C ?

Owner City of Houston

Address Central No. C-20

Date drld — WBF code 121 Evgl

Sample interval: (top) 1015 (bottom) 1940

Water level — Appr Clear Use PS

Collector Bezant Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 29460109522580 1 (2–16)

Y M D 76 09 17 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1015	04	
ple interval BOTTOM	72016	1940	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010				
pH	00400	7900	01		7.9
Specific conductance	00095	7080	03		708
HCO_3	00440	3300	03		330
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6700	02		67
Sulfate (SO_4)	00945	8000	01		8.1
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017561

Latitude ° ' "	Longitude ° ' "	Seq. No.
294601	0952258	01

County code 201 County Harris

Well # LJ-65-13-904

Project number 4648-01000

Date 2-11-76 Time — Temp°C 28.5

Owner City of Houston

Address Central C-20

Date drld — WBF code 121 EVGL

Sample interval: (top) 1015 (bottom) 1940

Water level — Appr clear Use PS

Collector Nattel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294601095225801 (2–16)

Y M D 76 02 11 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval	72015	1015	04	
Sample interval BOTTOM	72016	1940	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2850	02		28.5
pH	00400	7900	01		7.9
Specific conductance	00095	7170	03		717
HCO_3	00440	3280	03		328
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6600	02		66
Sulfate (SO_4)	00945	2800	01		2.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

686

(11) 493 K/1021
901 Sawyer

Water Quality Sampling Run

EZ

SWN: 65-13-904
County: Harris
Aquifer(s):

Sample No. 1552
Date: 6/5/90
By: DE & EZ

	Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6	Bottle 7	Total
	1 liter Anions	1 liter Cations/HM	1 gallon Radioactivity	500 ml Nitrate/ Phosphate	1 Qt.(glass) (TOC) Organics	500 ml Cyanide	2-VOA	Sub-Samples 5
				unfiltered				All filtered unless otherwise stipulated. All on ice.
Preserve with:	ICE	HNO_3 (Nitric)	HNO_3 (Nitric)	H_2SO_4 (Sulfuric)	--	NaOH (Sodium Hydroxide)		

KEY PUNCHED

Water Level _____ LSD

Temperature (00010) 29.1 °C

Specific Conductance (00094) 679 µmhos/cm

pH (00400) 7.96 ● [illegible] °C

Eh (00090) -120.0 mv ● [illegible] °C

Phenol ALK (82244) 0 mg/l

Total ALK (00431) 269 mg/l

Carbonate (00452) _____ meq/l 0 mg/l

Bicarbonate (00453) _____ meq/l 328 mg/l

Total Cations (+) _____

Total Anions (-) _____

Total Hardness (46570) 52

Dissolved Solids (70301) 421 (454 meter)

Notes & Calculations

Central #20
901 Sawyer
493K-1021

50 ml sam. +E
11:25 am

Ph @ Start Titration
8.09
4.50
13.45 ml acid added

687

890091-B

Austin, Texas

Latitude (° ' ")	Longitude (° ' ")	Seq. No.
29 46 01	095 22 58	01

County code 201 County Harris

Well # LJ-65-13-904

Project number 5-4648-01000

Date 2-5-75 Time ____ Temp °C 28.5

Owner City of Houston

Address Central #20

Date drld 1-49 WBF code 121EVGL

Sample interval: (top) 1015 (bottom) 1940

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arrival Depth 1960

Pt of coll faucet on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I+SO4

Other ____

Herbicide ____ Insecticide ____

Remarks:

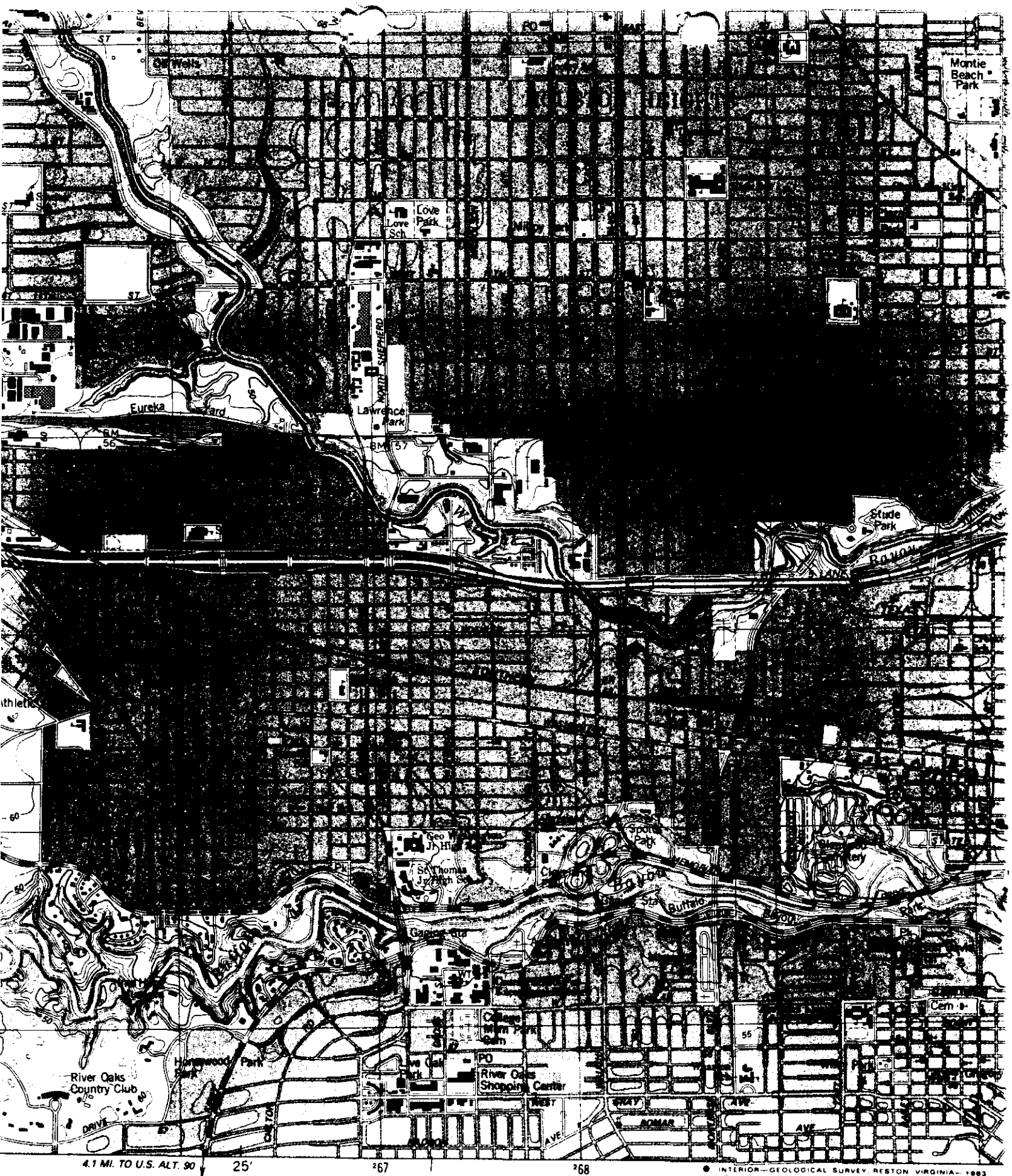
Type 2 (1) Station identification number 29461095225801 (2–16)

Y M D: 75 02 05 (17–22) Begin

Time of measurement: ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1960	01	
Yield (GPM)	00059			
Sample interval TOP	72015	1015	01	
Sample interval BOTTOM	72016	1940	01	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	28.50	01		
pH	00400	7900	01		7.9
Specific conductance	00095	6980	03		698
HCO_3	00440	3220	01		322
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6300	02	same	63
Sulfate (SO_4)	00945	2000	01		2.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983

65-13-904

1 MILE

000 7000 FEET

1 KILOMETER

ROAD CLASSIFICATION

Primary highway, hard surface

Secondary highway, hard surface

Light-duty road, hard or improved surface

Unimproved road

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 904 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 01 Longitude - 95 22 58 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston (Central #20)

Driller - Texas Water Wells, Inc.

Address _____ Tenant/Oper. _____

Date Drilled - 01/ /1949 Depth - 1,960 ft. Source of Depth - R Altitude - 46 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - HYDRAULIC ROTARY
Completion - GRAVEL PACK W/SCREEN
Casing Material - STEEL
Screen Material - STEEL

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- C Quality- Y Logs- Other Data- A

WATER LEVELS
Date- 03/22/1949 Measurement- -188.40
Date- 01/16/2001 Measurement- -293.00

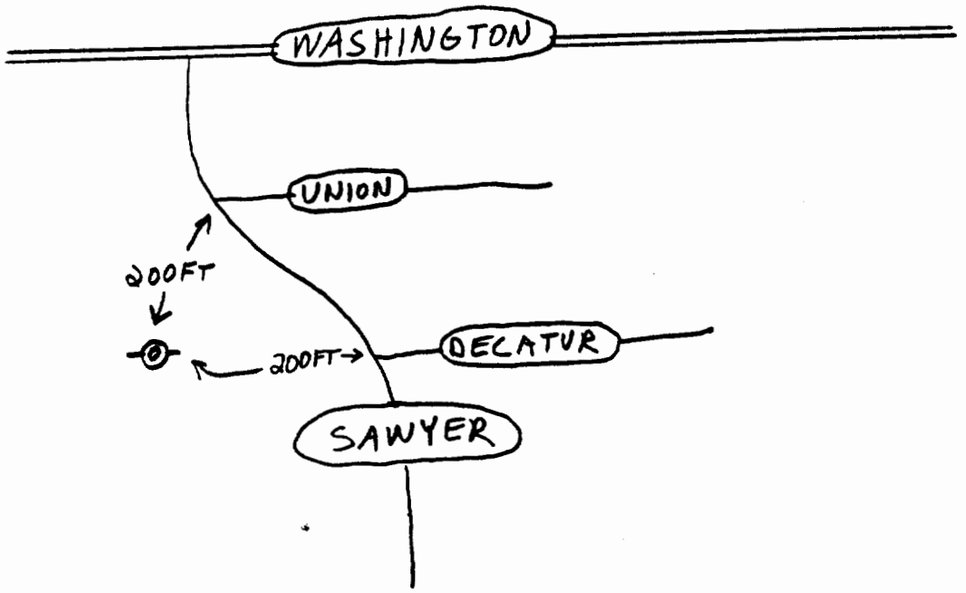
Recorded By MB Date Record Collected or Updated- 04/03/2001

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (
Open Hole (O)
Cemented from_____to_____

		Diam. (in.)	Setting(feet) From	To
1	C	24	0	604
2	C	13	504	1015
3	S	13	1015	1050
4	S	13	1100	1300
5	S	13	1315	1340
6	S	13	1350	1375
7	S	13	1395	1410
8	S	13	1530	1545
9	S	13	1565	1580
10	S	13	1850	1910
11	S	13	1925	1940
12				
13				
14				
15				
16				
17				
18				
19				

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
Owner's well Central #20. Reported yield 2435 gpm with 67 feet drawdown after pumping 96 hours in 1949. Aquifer test data in TWDB R-98.

Aquifer - 121EVGL
Well No. - 65 13 904



65-13-904

TWDB Water Quality Field Data Sheet

New Well: yes / (no)
State Well Number: 65-13-904
County: HARRIS
County Code: 201
Aquifer Code: 121EVGL
Aquifer Id: 15

Send Results To: Owner / Lessee
Owner's Name: CITY OF HOUSTON
Lessee's Name:
Attention:
Mailing Address: 901 SAWYER
Well Number: CENTRAL #20

Type of Sample: (LCRA) / HACH
Sample Number: 977
Date: 4-3-01
Sampler(s): MB

CIRCLE BOTTLES TAKEN:

1 (on ice)	2	3 (on ice)	4 (on ice)	5
500ml (filtered)	500ml (filtered)	250ml (filtered)	40 ml (not filtered)	1 gallon (filtered)
Anions / Total Alkalinity	Cations	Nitrate/Nitrite	Atrazine	Radioactivity
no preservative	1ml Nitric (HNO_3)	0.5 ml Sulfuric (H_2SO_4)	**no preservative**	10 ml Nitric (HNO_3)

Add enough of the proper acid to each bottle that is preserved to drop the pH to 2.

Daily Meter Calibration:

pH	7	7.0
	4 or 10	4.0
Conductivity	500	501
	1000	1000
	2000	
	5000	

Time In: 1330
Time Out: 1425

W. L. depth from LSD (ft.):
W.L. remark:

Pumping Since: POA
Sampling Point: FAW

Well Use: PUBLIC
Lift: T
Power: E

Latitude: 29 46 02
Longitude: 95 22 59
Elevation: 83

Sample Time: 1400
Filter pressure: hand pump / (line)

Field Alkalinity Titration:

7.68 Start pH 4.50 End pH
50 ml. Sample Size
12.35 ml. Acid added for Total
ml. Acid added for Phenol

Items below calculated from ml. acid added data:
Field Total Alkalinity: 0.0 mg/L 247
Field Phenol Alkalinity: 0.0 mg/L

Notes: 2000 6PM

1-16-01
293 AIRLINE USGS

Water Quality Stabilization Parameters Table

				Final Readings:
Time:	1345	1355	1400	
pH:	7.55	7.68	7.68	
Temperature (Celsius):	27.6	27.8	27.8	
Conductivity (uS/cm):	616	617	617	
Conductivity Temperature (Celsius):	27.7	27.9	27.9	

Items Below Calculated Later From Results:
Total Hardness: 58
Calculated TDS (mg/L): 354
Balanced: B

Data Entered By Sampler Into Database: (yes) / no

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LCRA Environmental Laboratory Services

Date: *30-Apr-01*

CLIENT: Texas Water Development Board **Client Sample ID:** 65-13-904
Lab Order: 0104059 **COC ID:** 15789
Project: TWDB 00-01 **Collection Date:** 04/03/2001 2:00:00 PM
Lab ID: 0104059-05 **Matrix:** GROUNDWATER

Analyses	Storet	Result	PQL	Qual	Units	DF	QC Batch	Date Analyzed
ICP METALS, DISSOLVED			**E200.7**					Analyst: **SW**
Calcium	00915	15.5	0.204		mg/L	1.02	R8261	04/11/2001
Magnesium	00925	4.72	0.204		mg/L	1.02	R8261	04/11/2001
Potassium	00935	1.37	0.204		mg/L	1.02	R8261	04/11/2001
Sodium	00930	115	0.714		mg/L	1.02	R8261	04/11/2001
ICP METALS, DISSOLVED			**E200.7**					Analyst: **SW**
Boron	01020	202	51.0		µg/L	1.02	R8262	04/11/2001
Iron	01046	119	51.0		µg/L	1.02	R8262	04/11/2001
Strontium	01080	374	20.4		µg/L	1.02	R8262	04/11/2001
ICPMS METALS, DISSOLVED			**E200.8**					Analyst: **PJM**
Aluminum	01106	ND	4.00		µg/L	1	R8305	04/16/2001
Antimony	01095	ND	1.00		µg/L	1	R8305	04/16/2001
Arsenic	01000	7.25	2.00		µg/L	1	R8305	04/16/2001
Barium	01005	252	1.00		µg/L	1	R8305	04/16/2001
Beryllium	01010	ND	1.00		µg/L	1	R8305	04/16/2001
Cadmium	01025	ND	1.00		µg/L	1	R8305	04/16/2001
Chromium	01030	ND	1.00		µg/L	1	R8305	04/16/2001
Cobalt	01035	ND	1.00		µg/L	1	R8305	04/16/2001
Copper	01040	2.55	2.00		µg/L	1	R8305	04/16/2001
Lead	01049	ND	1.00		µg/L	1	R8305	04/16/2001
Lithium	01130	18.6	2.00		µg/L	1	R8305	04/16/2001
Manganese	01056	7.44	1.00		µg/L	1	R8305	04/16/2001
Molybdenum	01060	4.25	1.00		µg/L	1	R8305	04/16/2001
Nickel	01065	1.53	1.00		µg/L	1	R8305	04/16/2001
Selenium	01145	ND	4.00		µg/L	1	R8305	04/16/2001
Thallium	01057	ND	1.00		µg/L	1	R8305	04/16/2001
Vanadium	01085	ND	1.00		µg/L	1	R8305	04/16/2001
Zinc	01090	4.19	4.00		µg/L	1	R8305	04/16/2001
DISSOLVED ANIONS BY ION CHROMATOGRAPH E300								Analyst: **AMJ**
Bromide Dissolved	71870	0.210	0.0200		mg/L	1	R8387	04/24/2001
Chloride Dissolved	00941	53.7	1.00		mg/L	1	R8387	04/24/2001
Fluoride Dissolved	00950	0.552	0.0100		mg/L	1	R8387	04/24/2001
Sulfate Dissolved	00946	ND	1.00		mg/L	1	R8387	04/24/2001
ALKALINITY			**M2320 B**					Analyst: **WM**

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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LCRA Environmental Laboratory Services

Date: *30-Apr-01*

CLIENT: Texas Water Development Board **Client Sample ID:** 65-13-904
Lab Order: 0104059 **COC ID:** 15789
Project: TWDB 00-01 **Collection Date:** 04/03/2001 2:00:00 PM
Lab ID: 0104059-05 **Matrix:** GROUNDWATER

Analyses	Storet	Result	PQL	Qual	Units	DF	QC Batch	Date Analyzed
Alkalinity, Phenolphthalein	00415	ND	0		mg/L CaCO3	1	R8246	04/11/2001
Alkalinity, Total (As CaCO3)	00410	241	2.00		mg/L CaCO3	1	R8246	04/11/2001
CATION/ANION BALANCE			**CALCULATION**					Analyst: **AMJ**
Cation/Anion Balance	00000	Balanced	0		Date	1	R8413	04/26/2001
NITRATE AND NITRITE			**E353.2**					Analyst: **CL**
Nitrogen, Nitrate & Nitrite	00631	ND	0.0200		mg/L	1	R8344C	04/19/2001
GROSS ALPHA, GROSS BETA			**RADIOCHEM**					Analyst: **SB**
ALPHA, Gross	01503	1.6	0		pci/L	1	R8382	04/16/2001
BETA, Gross	03503	2.8	0		pci/L	1	R8382	04/16/2001
SILICA			**E370.1**					Analyst: **CL**
Silica, Dissolved (as SiO2)	00955	18.0	0.500		mg/L	1	R8290C	04/16/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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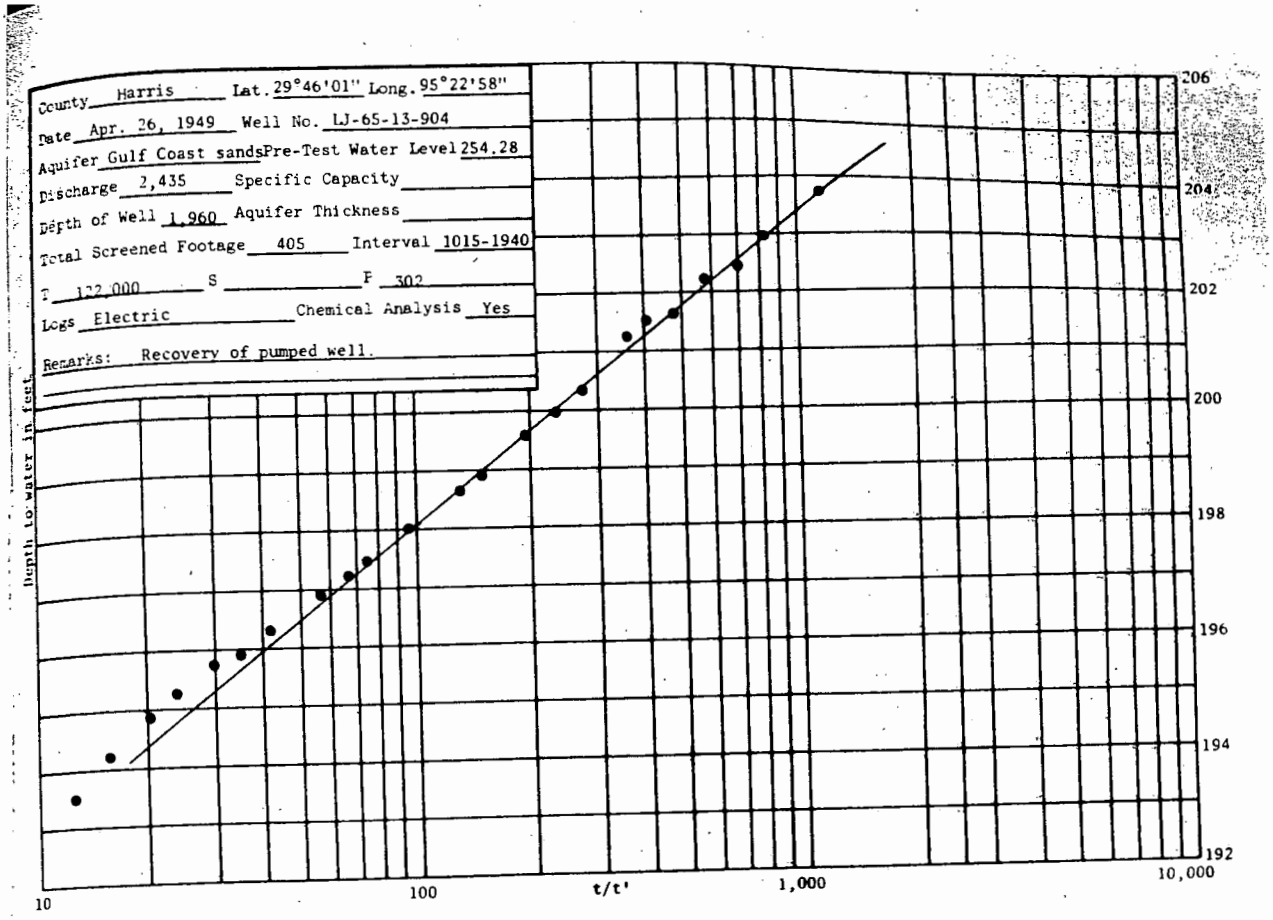

County Harris Lat. 29°46'01" Long. 95°22'58"
Date Apr. 26, 1949 Well No. LJ-65-13-904
Aquifer Gulf Coast sands Pre-Test Water Level 254.28
Discharge 2,435 Specific Capacity
Depth of Well 1,960 Aquifer Thickness
Total Screened Footage 405 Interval 1015-1940
T 122,000 S P 302
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
206
204
202
200
198
196
194
192
10
100
t/t'
1,000
10,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-904

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513904
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.767222
Latitude (degrees minutes seconds)	29° 46' 02" N
Longitude (decimal degrees)	-95.383055
Longitude (degrees minutes seconds)	095° 22' 59" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	46
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1960
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	1/0/1949
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston (Central #20)
Driller	Texas Water Wells, Inc.
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	City of Houston 20-C
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	4/3/2001
Last Update Date	8/3/2006

Remarks	Owner's well Central #20. Reported yield 2435 gpm with 67 feet drawdown after pumping 96 hours in 1949. Aquifer test data in TWDB R-98.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	604
13	Blank	Steel			504	1015
13	Screen	Steel			1015	1050
13	Screen	Steel			1100	1300
13	Screen	Steel			1315	1340
13	Screen	Steel			1350	1375
13	Screen	Steel			1395	1410
13	Screen	Steel			1530	1545
13	Screen	Steel			1565	1580
13	Screen	Steel			1850	1910
13	Screen	Steel			1925	1940

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

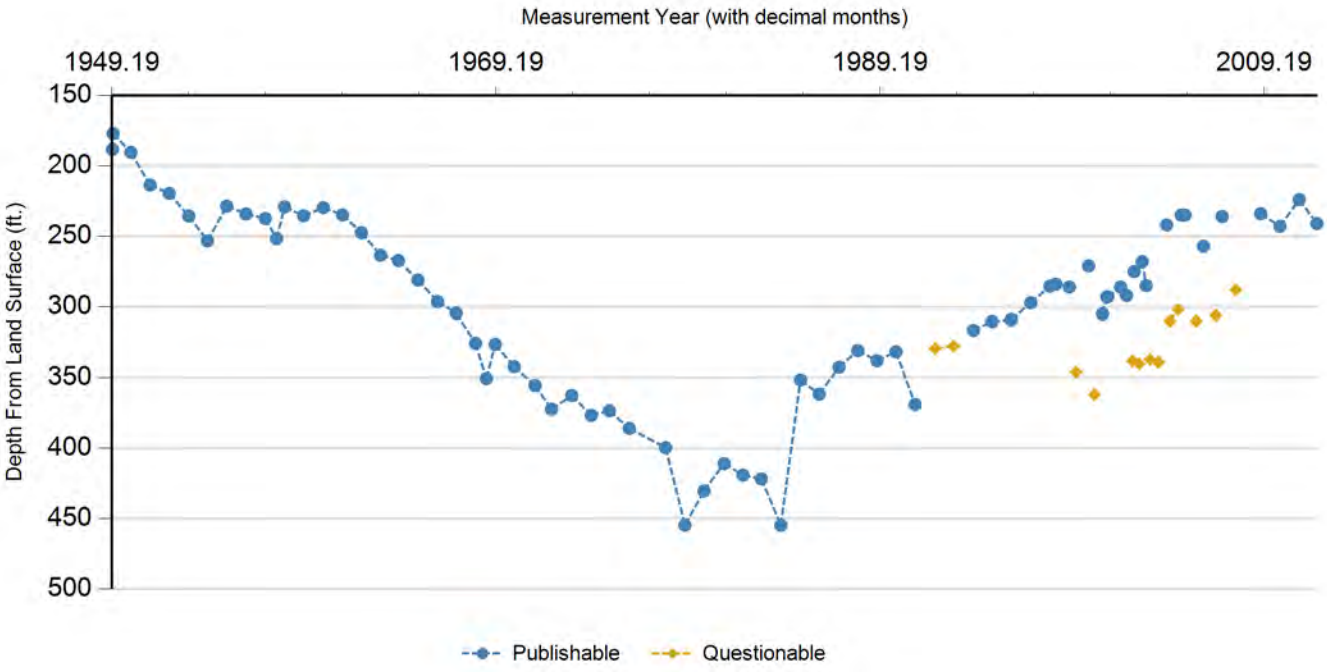
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/22/1949		188.4		-142.4	2	U.S. Geological Survey	Steel Tape		
P	4/4/1949		177.08	(11.32)	-131.08	1	U.S. Geological Survey	Steel Tape		
P	3/6/1950		190.46	13.38	-144.46	1	U.S. Geological Survey	Steel Tape		
P	3/6/1951		213.65	23.19	-167.65	1	U.S. Geological Survey	Steel Tape		
P	3/5/1952		219.57	5.92	-173.57	1	U.S. Geological Survey	Steel Tape		
P	3/12/1953		235.61	16.04	-189.61	1	U.S. Geological Survey	Steel Tape		
P	3/3/1954		253.31	17.70	-207.31	1	U.S. Geological Survey	Steel Tape		
P	3/3/1955		228.64	(24.67)	-182.64	1	U.S. Geological Survey	Steel Tape		
P	3/5/1956		234.19	5.55	-188.19	1	U.S. Geological Survey	Steel Tape		
P	3/5/1957		237.41	3.22	-191.41	1	U.S. Geological Survey	Steel Tape		
P	10/11/1957		251.74	14.33	-205.74	1	U.S. Geological Survey	Steel Tape		
P	3/7/1958		229.16	(22.58)	-183.16	1	U.S. Geological Survey	Steel Tape		
P	3/5/1959		235.53	6.37	-189.53	1	U.S. Geological Survey	Steel Tape		
P	3/15/1960		229.7	(5.83)	-183.7	1	U.S. Geological Survey	Steel Tape		
P	3/13/1961		234.82	5.12	-188.82	1	U.S. Geological Survey	Steel Tape		
P	3/8/1962		247.44	12.62	-201.44	1	U.S. Geological Survey	Steel Tape		
P	3/8/1963		263.49	16.05	-217.49	1	U.S. Geological Survey	Steel Tape		
P	2/11/1964		267.23	3.74	-221.23	1	U.S. Geological Survey	Steel Tape		
P	2/19/1965		281.06	13.83	-235.06	1	U.S. Geological Survey	Steel Tape		
P	2/25/1966		296.34	15.28	-250.34	1	U.S. Geological Survey	Steel Tape		
P	2/13/1967		304.45	8.11	-258.45	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/16/1968		325.53	21.08	-279.53	1	U.S. Geological Survey	Steel Tape		
P	9/13/1968		350.6	25.07	-304.6	1	U.S. Geological Survey	Steel Tape		
P	2/27/1969		326.33	(24.27)	-280.33	1	U.S. Geological Survey	Steel Tape		
P	2/20/1970		342.04	15.71	-296.04	1	U.S. Geological Survey	Steel Tape		
P	3/23/1971		355.54	13.50	-309.54	1	U.S. Geological Survey	Steel Tape		
P	2/2/1972		372.26	16.72	-326.26	1	U.S. Geological Survey	Steel Tape		
P	2/21/1973		362.6	(9.66)	-316.6	1	U.S. Geological Survey	Electric Line		
P	2/26/1974		376.6	14.00	-330.6	1	U.S. Geological Survey	Electric Line		
P	2/5/1975		373.4	(3.20)	-327.4	2	U.S. Geological Survey	Electric Line		
P	2/17/1976		385.9	12.50	-339.9	2	U.S. Geological Survey	Electric Line		
P	1/9/1978		399.53	13.63	-353.53	1	U.S. Geological Survey	Steel Tape		
P	1/12/1979		454.6	55.07	-408.6	1	U.S. Geological Survey	Steel Tape		
P	1/8/1980		430.35	(24.25)	-384.35	1	U.S. Geological Survey	Steel Tape		
P	1/26/1981		410.9	(19.45)	-364.9	1	U.S. Geological Survey	Steel Tape		
P	1/21/1982		419.09	8.19	-373.09	1	U.S. Geological Survey	Steel Tape		
P	1/5/1983		421.75	2.66	-375.75	1	U.S. Geological Survey	Steel Tape		
P	1/9/1984		454.65	32.90	-408.65	1	U.S. Geological Survey	Steel Tape		
P	1/18/1985		351.58	(103.07)	-305.58	1	U.S. Geological Survey	Steel Tape		
P	1/10/1986		361.6	10.02	-315.6	1	U.S. Geological Survey	Steel Tape		
P	1/20/1987		342.5	(19.10)	-296.5	1	U.S. Geological Survey	Unknown		
P	1/12/1988		330.7	(11.80)	-284.7	1	U.S. Geological Survey	Unknown		
P	1/13/1989		337.89	7.19	-291.89	1	U.S. Geological Survey	Unknown		
P	1/8/1990		331.6	(6.29)	-285.6	1	U.S. Geological Survey	Steel Tape		
P	1/7/1991		368.94	37.34	-322.94	1	U.S. Geological Survey	Steel Tape		
Q	1/23/1992		329.27	(39.67)	-283.27	1	U.S. Geological Survey	Steel Tape	4	
Q	1/7/1993		327.48	(1.79)	-281.48	1	U.S. Geological Survey	Steel Tape	4	
P	1/21/1994		316.4	(11.08)	-270.4	1	U.S. Geological Survey	Steel Tape		
P	1/9/1995		310.28	(6.12)	-264.28	1	U.S. Geological Survey	Steel Tape		
P	1/8/1996		309.01	(1.27)	-263.01	1	U.S. Geological Survey	Steel Tape		
P	1/14/1997		297.25	(11.76)	-251.25	1	U.S. Geological Survey	Steel Tape		
P	1/12/1998		285.36	(11.89)	-239.36	1	U.S. Geological Survey	Steel Tape		
P	5/8/1998		284	(1.36)	-238	1	U.S. Geological Survey	Air Line		
P	1/18/1999		286	2.00	-240	1	U.S. Geological Survey	Air Line		
Q	5/26/1999		346	60.00	-300	1	U.S. Geological Survey	Air Line	2	
P	1/21/2000		271	(75.00)	-225	1	U.S. Geological Survey	Air Line		
Q	5/10/2000		362	91.00	-316	1	U.S. Geological Survey	Air Line	2	
P	10/13/2000		305	(57.00)	-259	1	U.S. Geological Survey	Air Line		
P	1/2/2001		293	(12.00)	-247	1	U.S. Geological Survey	Air Line		
P	1/16/2001		293	0.00	-247	1	U.S. Geological Survey	Air Line		
P	9/21/2001		286	(7.00)	-240	1	U.S. Geological Survey	Air Line		
P	1/7/2002		292	6.00	-246	1	U.S. Geological Survey	Air Line		
Q	5/3/2002		338	46.00	-292	1	U.S. Geological Survey	Air Line	2	

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-904

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/4/2002		275	(63.00)	-229	1	U.S. Geological Survey	Air Line		
Q	9/10/2002		340	65.00	-294	1	U.S. Geological Survey	Air Line	2	
P	11/8/2002		268	(72.00)	-222	1	U.S. Geological Survey	Steel Tape		
P	1/16/2003		285	17.00	-239	1	U.S. Geological Survey	Steel Tape		
Q	4/7/2003		337	52.00	-291	1	U.S. Geological Survey	Steel Tape	2	
Q	9/8/2003		339	2.00	-293	1	U.S. Geological Survey	Steel Tape	2	
P	2/11/2004		242	(97.00)	-196	1	U.S. Geological Survey	Steel Tape		
Q	4/13/2004		310	68.00	-264	1	U.S. Geological Survey	Steel Tape	2	
Q	9/20/2004		302	(8.00)	-256	1	U.S. Geological Survey	Steel Tape	2	
P	11/19/2004		235	(67.00)	-189	1	U.S. Geological Survey	Air Line		
P	1/25/2005		235	0.00	-189	1	U.S. Geological Survey	Air Line		
Q	8/29/2005		310	75.00	-264	1	U.S. Geological Survey	Air Line	2	
P	1/12/2006		257	(53.00)	-211	1	U.S. Geological Survey	Air Line		
Q	9/5/2006		306	49.00	-260	1	U.S. Geological Survey	Air Line	2	
P	1/2/2007		236	(70.00)	-190	1	U.S. Geological Survey	Air Line		
Q	9/19/2007		288	52.00	-242	1	U.S. Geological Survey	Air Line	2	
P	1/5/2009		234	(54.00)	-188	1	U.S. Geological Survey	Air Line		
P	1/5/2010		243	9.00	-197	1	U.S. Geological Survey	Air Line		
P	1/6/2011		224	(19.00)	-178	1	U.S. Geological Survey	Air Line		
P	12/14/2011		241	17.00	-195	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 1/4/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		2000	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		230	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	

Water Quality Analysis

Sample Date: 1/5/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		665	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		26	mg/L	
00400	PH (STANDARD UNITS), FIELD		10.1	SU	

Water Quality Analysis

Sample Date: 1/5/1949 **Sample Time:** 0000 **Sample Number:** 2 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		70	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		2400	ug/L	
00910	CALCIUM (MG/L)		14	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		668	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		85000	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		1.2	mg/L	
00400	PH (STANDARD UNITS), FIELD		9.2	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		4.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.28		
00955	SILICA, DISSOLVED (MG/L AS SI02)		24	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		31.72		
00932	SODIUM, CALCULATED, PERCENT		95	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		479	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		2430	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		78	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1308	mg/L	

Water Quality Analysis

Sample Date: 1/6/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		194	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		1000	ug/L	
00910	CALCIUM (MG/L)		3	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		103	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		12	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00400	PH (STANDARD UNITS), FIELD		9.2	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.94		
00955	SILICA, DISSOLVED (MG/L AS SI02)		26	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		21.07		
00932	SODIUM, CALCULATED, PERCENT		95	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		165	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		777	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		61	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		460	mg/L	

Water Quality Analysis

Sample Date: 1/6/1949 **Sample Time:** 0000 **Sample Number:** 2 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		104	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		4	mg/L	
00400	PH (STANDARD UNITS), FIELD		10.5	SU	

Water Quality Analysis

Sample Date: 3/26/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		600	ug/L	
00910	CALCIUM (MG/L)		12	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		71	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.56		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.3		
00932	SODIUM, CALCULATED, PERCENT		86	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		152	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		734	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		429	mg/L	

Water Quality Analysis

Sample Date: 3/14/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		327	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		52	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		687	MICR	

Water Quality Analysis

Sample Date: 3/10/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		673	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/13/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		280.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		74	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		742	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/12/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		72	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		711	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 7/30/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		49	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		682	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/25/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		263.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		322	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		57	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		669	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/1/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		327	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		667	MICR	

Water Quality Analysis

Sample Date: 2/19/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		273.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		706	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/18/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		53	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		704	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/19/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		708	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/31/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		57	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		703	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/6/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		704	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/5/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		263.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		322	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		698	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/11/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		717	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/17/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		708	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

Water Quality Analysis

Sample Date: 2/10/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		327	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		714	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/5/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		0	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		0	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		699	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/22/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		713	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 4/3/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		286.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		350	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		700	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 6/5/1990 **Sample Time:** 1125 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: Texas Department of Health **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
34506	1,1,1-TRICHLOROETHANE, TOTAL, UG/L	<	2	ug/L	
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL, UG/L	<	2	ug/L	
34511	1,1,2-TRICHLOROETHANE, TOTAL, UG/L	<	2	ug/L	
34496	1,1-DICHLOROETHANE, TOTAL, UG/L	<	2	ug/L	
34501	1,1-DICHLOROETHYLENE, TOTAL, UG/L	<	2	ug/L	
32103	1,2-DICHLOROETHANE, TOTAL, UG/L	<	2	ug/L	
34541	1,2-DICHLOROPROPANE, TOTAL, UG/L	<	2	ug/L	
34576	2-CHLOROETHYL VINYL ETHER, TOTAL, UG/L	<	2	ug/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270	mg/L	
01503	ALPHA, DISSOLVED (PC/L)		2.8	PC/L	2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	50	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	10	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		243	ug/L	
78124	BENZENE, VOLATILE ANALYSIS, TOTAL, UG/L	<	2	ug/L	
03503	BETA, DISSOLVED (PC/L)	<	4	PC/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		329.49	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		310	ug/L	
32101	BROMODICHLOROMETHANE, TOTAL, UG/L	<	2	ug/L	
32104	BROMOFORM, TOTAL, UG/L	<	2	ug/L	
78383	BROMOMETHANE, TOTAL, UG/L	<	5	ug/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	10	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		14	mg/L	
32102	CARBON TETRACHLORIDE, TOTAL, UG/L	<	2	ug/L	
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	<	1	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		68	mg/L	
34301	CHLOROBENZENE, TOTAL, UG/L	<	2	ug/L	
34311	CHLOROETHANE, TOTAL, UG/L	<	5	ug/L	
32106	CHLOROFORM, TOTAL, UG/L	<	2	ug/L	
79132	CHLOROMETHANE, TOTAL, UG/L	<	5	ug/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	20	ug/L	
50003	CIS-1,3-DICHLOROPROPYLENE, TOTAL, UG/L	<	2	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	20	ug/L	
32105	DIBROMOCHLOROMETHANE, TOTAL, UG/L	<	2	ug/L	
78113	ETHYLBENZENE IN WATER, UG/L	<	2	ug/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.78	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		52	mg/L	
71865	IODIDE (MG/L AS I)	<	0.1	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)		60	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	50	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		4.2	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	20	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
34423	METHYLENE CHLORIDE, TOTAL, UG/L	<	2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	20	ug/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	<	0.01	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.04	mg/L	
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	<	0.01	mg/L	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		0.09	mg/L	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		0.1	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.96	SU	
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		0.04	mg/L	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		2.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.36		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	2	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	10	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.15		
00932	SODIUM, CALCULATED, PERCENT		86	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		152	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		679	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		490	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	
34476	TETRACHLOROETHYLENE, DISSOLVED, UG/L	<	2	ug/L	
78131	TOLUENE, VOLATILE ANALYSIS, TOTAL, UG/L	<	2	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		422	mg/L	
50001	TRANS-1,2-DICHLOROETHYLENE, TOTAL, UG/L	<	2	ug/L	
50002	TRANS-1,3-DICHLOROPROPYLENE, TOTAL, UG/L	<	2	ug/L	
39180	TRICHLOROETHYLENE, TOTAL, UG/L	<	2	ug/L	
34488	TRICHLOROFLUOROMETHANE, TOTAL, UG/L	<	2	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	20	ug/L	
39175	VINYL CHLORIDE, TOTAL, UG/L	<	5	ug/L	
81551	XYLENE, TOTAL, UG/L	<	2	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	20	ug/L	

Water Quality Analysis

Sample Date: 4/3/2001 **Sample Time:** 1400 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		247	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		241	mg/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	4	ug/L	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)		7.25	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		252	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294.1	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		202	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.21	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		15.5	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		53.7	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	1	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		2.55	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.55	mg/L	
04241	GROSS ALPHA RADIATION,TOTAL, PRODUCED WATER(pCi/L)		1.6	pCi/L	0.8
04242	GROSS BETA RADIATION, TOTAL, PRODUCED WATER(pCi/L)		2.8	pCi/L	1
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)		119	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		18.6	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		4.72	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		7.44	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)		4.25	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)		1.53	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.09	mg/L	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)	<	0.02	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.68	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.37	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.66		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	4	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.56		
00932	SODIUM, CALCULATED, PERCENT		81	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		115	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		617	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		374	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)	<	1	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27.8	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		354	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	1	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		4.19	ug/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-904

Water Quality Analysis

Sample Date: 4/3/2001 **Sample Time:** **Sample Number:** 1 **Collection Entity:** Texas Commission on Environmental Quality

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: Immunoassay at TCEQ **Reliability:** Sampled using TWDB protocols, but NOT filtered

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39033	ATRAZINE, TOTAL, UG/L	<	0.05	ug/L	
82612	METOLACHLOR, WHOLE WATER, TOTAL RECOVERABLE, UG/L	<	0.05	ug/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-13-905

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by (Naftel) (1961) & (Gabrysch) (1963) McAdoo — Source of data: File — Date: 2-16-68 — Map: Houston Heights 1955 1:24000

State: Texas [48] — County (or town): Harris [LJ]

Latitude: 29 45 45 N (deg, min, sec) — Longitude: 095 22 38 (degrees, min, sec) — Sequential number: 1

Lat-long accuracy: 1 — T. ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-13-905 — Other number: C-21 (B & M)

Local use: — Owner or name: City of Houston

Owner or name: CITY OF HOUSTON — Address: Central Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data 1 — Freq. W/L meas.: 1957- Annual [A] — Field aquifer char.

Hyd. lab. data:

Qual. water date; type:

Freq. sampling: 3-31-57 [A] — Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-Log (0-2508) T-34 [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 2020 ft [2020] — Meas. rept. Driller accuracy [3]

Depth cased (first perf.): 745 ft [745] — Casing type: S; Diam. 24-12 in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: 2-4-57 [957] — Pump intake setting: ___ ft

Driller: Texas Water Wells, Inc. (name) Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T; Deep Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 250 [W] — Trans. or meter no.

Descrip. MP: Top of 2½" agitator pipe +25 ft above below LSD — Alt. MP

Alt. LSD: 43 [43] — Accuracy (source): Topo 5' [3]

Water Level: 238.78 ft above below MP; Ft above below LSD [236] — Accuracy: Meas [A]

Date meas: 3-27-57 [357] — Yield: 2939 gpm [2939] — Method determined [4]

P/L=311

Drawdown: 72 ft [72] — Accuracy: 3-27-57 Meas [0] — Pumping period: 96 hrs [96]

QUALITY OF WATER DATA: Iron ___ ppm — Sulfate ___ ppm — Chloride ___ ppm — Hard. ___ ppm

Sp. Conduct ___ K x 10^6 — Temp. ___ °F — Date sampled

Taste, color, etc.

Well No. LJ-65-13-905

Well No. LJ-65-13-905

Latitude-longitude 29 d 45 m 45 s 095 d 22 m 38 s 1

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) | Physiographic Province: Coastal Plain | 03 (20–21) | Section:

F (22) | Drainage Basin: | 5117 (23–25) | Subbasin: | (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat | (27)

MAJOR AQUIFER: system, series | T (28–29) | aquifer, formation, group | E (30–31) ✓

Lithology: | (32–33) | Origin: | (34) | Aquifer Thickness: ft

(35–37) | Length of well open to: ✓ 410 ft | 410 (38–40) | Depth to top of: ft | (41–43)

MINOR AQUIFER: system, series | (44–45) | aquifer, formation, group | (46–47)

Lithology: | (48–49) | Origin: | (50) | Aquifer Thickness: ft

(51–53) | Length of well open to: ft | (54–56) | Depth to top of: ft | (57–59)

Intervals Screened: * 745 - 2000

Depth to consolidated rock: ft | (60–63) | Source of data: | (64)

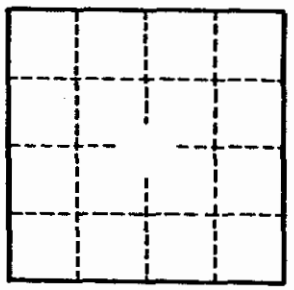
Depth to basement: ft | (65–68) | Source of data: | (69)

Surficial material: | (70–71) | Infiltration characteristics: | (72)

Coefficient Trans: ✓ gpd/ft | (73–75) | Coefficient Storage: | (76–78)

Coefficient Perm: ✓ gpd/ft^2; Spec cap: ✓ gpm/ft; Number of geologic cards: | (79)

* screen:
745 - 760
780 - 790
840 - 855
870 - 880
900 - 930
965 - 975
1145 - 1185
1220 - 1230
1260 - 1275
1285 - 1300
1310 - 1325
1355 - 1380
1405 - 1420
1460 - 1505
1585 - 1600
1660 - 1670
1760 - 1770
1900 - 1930
1925 - 2000



CSJ:
24" 0 - 606
12" 506 - 2020

Well No. LJ-65-13-905

GPO 857-700

Texas Water Development Board

Chemical Water Analysis Report

GWN- EZ -AA0 - 1532
(Nitrogen Cycle)

TWDB Use Only
Work No. 320-3202
IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: Phil Nordstrom
State Well Number: 65-B-9
County: Harris
Date & Time: 6/5/90 11:25
Owner: City of Houston - Central #20
☑ Send Copy To Owner Attn: Tony Baker
Address: P.O. Box 1562 - Houston, Tx. 77251
Sampled After Pumping: DOA Hours
Date Drilled: _____ Depth: _____
Yield: _____ GPM ☐ Measured ☐ Estimated
Collection Point: Faucet pH 7.96
Use: PS Temperature: 29.1 °C
By: E. Zapata - D. Jones
Specific Conductance: 679

KEY PUNCHED

Requested Chem [redacted]

Laboratory No.: [redacted] Date Received: JUN 8 1990 Date Reported: JUN 14 1990

THD-Sample No. EB0 1436 Date Received 06/08/90 Date Reported 06/13/90

		MG/L			MG/L
Nitrate as N	(00618)	< 0.01			
KJE as N	(00623)	0.1	Ammonia as N	(00608)	0.09
			Nitrite as N	(00613)	< 0.01
			Orthophosphate as P	(00671)	0.04

*Note: To convert NO_3-N to NO_3, multiply by 4.427.

890091-D

Texas Water Development Board

Chemical Water Analysis Report

MISC- EZ - APO - 1552

TWDB Use Only

Work No. 320-3202

IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: Phil Nordstrom

State Well Number: 65-13-9

County: Harris

Date & Time: 6/5/90 11:25

Owner: City of Houston - Central #20

☒ Send Copy To Owner Attn. Tony Baker

Address: P.O. Box 1562 Houston, Tx. 77251

Sampled After Pumping: POA Hours

Date Drilled: _____ Depth: _____

Yield: _____ GPM ☐ Measured ☐ Estimated

Collection Point: Faucet pH 7.96

Use: PS Temperature: 29.1 °C

By: D. Jones & E. LaSata

Specific Conductance: 679

Requested Che[redacted]

KEY PUNCHED

Laboratory No.: [redacted]

Date Received: JUN 8 1990

Date Reported: JUN 27 1990

THD-Sample No. EB0 1478 Date Received 06/08/90 Date Reported 06/26/90

		MG/L	MG/L
TOC	(00680)	< 1	

890091-A

Texas Water Development Board

Chemical Water Analysis Report

GWR- EZ-A90-1552
(Anions)

TWDB Use Only
Work No. 320-3202
IAC No. ~~320-3202~~

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: Phil Nordstrom
State Well Number: 65-13-905
County: Harris
Date & Time: 6/5/90 11:25
Owner: City of Houston - Central #20
☑ Send Copy To Owner Attn. Tony L. Baker
Address: P.O. Box 1560 - Houston, Tx. 77251
Sampled After Pumping: POA Hours
Date Drilled: ____ Depth: ____
Yield: ____ GPM ☐ Measured ☐ Estimated
Collection Point: Faucet pH 7.96
Use: Public Supply Temperature: 29.1 °C
By: D. Jones & E. Zapata
Specific Conductance: 679

KEY PUNCHED

Requested Che[redacted]
Laboratory No.: [redacted]
Date Received: JUN 8 1990
Date Reported: JUN 20 1990

THD-Sample No. EBO 1444 Date Received 06/08/90 Date Reported 06/18/90

		MEQ/L	MG/L
Silica	(00955)		16
Sulfate	(00946)	0.04	2
Chloride	(00941)	1.92	68
Fluoride	(00950)	0.04	0.78
P. Alkalinity	(00415)	0.00	0
T. Alkalinity	(00410)	5.40	270
Iodide	(71865)		< 0.1
Boron	(*****)		0.31
Bromide	(71870)		< 0.1

890091-C

Texas Water Development Board

Chemical Water Analysis Report

HM- EZ - 1440 - 1552
HM = Heavy Trace and Alkaline-Earth Metals

TWDB Use Only
Work No. 320-3202
IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: Phil Nordstrom
State Well Number: 65-13-9
County: Harris
Date & Time: 6/5/90 11:25
Owner: City of Houston - Central #20
☑ Send Copy To Owner Attn: Tony Baker
Address: P.O. Box 1560 - Houston, Tx. 77251
Sampled After Pumping: POA Hours
Date Drilled: _____ Depth: _____
Yield: _____ GPM ☐ Measured ☐ Estimated
Collection Point: Faucet pH 7.96
Use: PS Temperature: 29.1 °C
By: E. Zapata & D. Jones
Specific Conductance: 679

KEY PUNCHED

Requested Ch[redacted]
Laboratory No.: _____ Date Received: JUN 8 1990 Date Reported: JUL 16 1990

		me/l	mg/l			me/l	mg/l
Calcium	(00915)		14	Sodium	(00930)		152
Magnesium	(00925)		4.2	Potassium	(00935)		2.4

		µg/l			µg/l
Aluminum	(01106)	<50	Manganese	(01056)	<20
Arsenic	(01000)	<10	Mercury	(71890)	<0.2
Barium	(01005)	243	✓ Molybdenum*	(01062)	<20
Cadmium	(01025)	<10	Selenium	(01145)	<2
Chromium	(01030)	<20	Silver	(01075)	<10
Copper	(01040)	<20	✓ Strontium*	(01080)	490 ~~480~~
Iron	(01046)	60	✓ Vanadium*	(01085)	<20
Lead	(01049)	<50	Zinc	(01090)	<20

* Do not analyze unless it is checked.
Note: Crossout those elements not to be analyzed.

890091-E

Texas Water Development Board

Chemical Water Analysis Report

RAD - EZ .AAO. 1552
RAD = Radioactivity Sample

TWDB Use Only
Work No. 320-3202
IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: Phil Nordstrom
State Well Number: 65-13-9
County: Harris
Date & Time: 6/5/90 11:25
Owner: City of Houston - Central #20
☑ Send Copy To Owner Attn: Tony Baker
Address: ~~P.O.~~ P.O. Box 1560 - Houston, Tx. 77251
Sampled After Pumping: POA Hours
Date Drilled: _____ Depth: _____
Yield: _____ GPM ☐ Measured ☐ Estimated
Collection Point: Faucet pH 7.96
Use: PS Temperature: 29.1 °C
By: D. Jones & R. LaPetra
Specific Conductance: 679

KEY PUNCHED

Requested Che[redacted]
Laboratory No.: [redacted]
Date Received: JUN 08 1990
Date Reported: JUL 13 1990

Alpha	(01503)	2.8 ± 2.0	pCi/l
Beta	(03503)	< 4.0	pCi/l
Radium 226	(09503)		pCi/l
Radium 228	(81366)		pCi/l
Total Radium*	(11500)		pCi/l
Thorium*	(26403)		pCi/l
Uranium*	(22703)		pCi/l

* Do not analyze unless it is checked *yes*.

890091-F

Texas Water Development Board

Chemical Water Analysis Report

MISC- EZ .990. 1552

TWDB Use Only
Work No. 320-3202
IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: Phil Nordstrom
State Well Number: 65-B-9
County: Harris
Date & Time: 6/5/90 11:25
Owner: City of Houston - Central #20
☑ Send Copy To Owner Attn: Tony Baker
Address: P.O. Box 1562 - Houston, Tx. 77251
Sampled After Pumping: POA Hours
Date Drilled: _____ Depth: _____
Yield: _____ GPM ☐ Measured ☐ Estimated
Collection Point: Faucet pH 7.96
Use: PS Temperature: 29.1 °C
By: D Jones & E. Lapeta
Specific Conductance: 679

KEY PUNCHED
JUN 08 1990
JUN 20 1990

Requested Che[redacted]
Laboratory No.: [redacted]
Date Received: _____
Date Reported: 19JUN90

VOA

890091-A

TEXAS DEPARTMENT OF HEALTH
GC/MS ANALYSIS REPORT
EPA PRIORITY POLLUTANTS

ANALYST: C. Sherman DATE: 6/18/90

TDH SAMPLE NUMBER: EB0 1406
TWC SAMPLE NUMBER:

*DETECTION LIMITS ARE APPROXIMATE

*KEY PUNCHED

SAMPLE TYPE: H_2O

SAMPLE CONDITION: Intact

ACID EXTRACTABLES IN (CHECK ONE) ( ) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
PHENOL	---	4-CHLORO-3-CRESOL	---	4-NITROPHENOL	---
CHLOROPHENOL	---	2,4,6-TRICHLOROPHENOL	---	2,6-DINITRO-2-CRESOL	---
2-NITROPHENOL	---	2,4-DIMETHYLPHENOL	---	PENTACHLOROPHENOL	---
ICHLOROPHENOL	---	2,4-DINITROPHENOL	---		

NEUTRAL EXTRACTABLES IN (CHECK ONE) ( ) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
N-NITROSO-N-DIMETHYLAMINE	---	ACENAPHTHYLENE	---	FLUORANTHENE	---
bis-(2-CHLOROETHYL) ETHER	---	DIMETHYL PHTHALATE	---	PYRENE	---
1,3-DICHLOROBENZENE	---	2,6-DINITROTOLUENE	---	BENZIDINE	---
1,4-DICHLOROBENZENE	---	ACENAPHTHENE	---	BUTYLBENZYL PHTHALATE	---
1,2-DICHLOROBENZENE	---	2,4-DINITROTOLUENE	---	BENZ(a)ANTHRACENE	---
bis-(2-CHLOROISOPROPYL)ETHER	---	FLUORENE	---	CHRYSENE	---
HEXACHLOROETHANE	---	4-CHLOROPHENYL PHENYL ETHER	---	3,3'-DICHLOROBENZIDINE	---
N-NITROSO-DI-n-PROPYLAMINE	---	DIETHYL PHTHALATE	---	bis-(2-ETHYLHEXYL)PHTHALATE	---
NITROBENZENE	---	DIPHENYLAMINE	---	DI-n-OCTYL PHTHALATE	---
ISOPHORONE	---	N-NITROSODIPHENYLAMINE	---	BENZO(b)FLUORANTHENE	---
bis-(2-CHLOROETHOXY)METHANE	---	1,2-DIPHENYLHYDRAZINE	---	BENZO(k)FLUORANTHENE	---
1, 2, 4-TRICHLOROBENZENE	---	4-BROMOPHENYL PHENYL ETHER	---	BENZO(a)PYRENE	---
NAPHTHALENE	---	HEXACHLOROBENZENE	---	INDENO(1,2,3-cd)PYRENE	---
HEXACHLOROBUTADIENE	---	PHENANTHRENE	---	DIBENZ(a,h)ANTHRACENE	---
HEXACHLOROCYCLOPENTADIENE	---	ANTHRACENE	---	BENZO(ghi)PERYLENE	---
2-CHLORONAPHTHALENE	---	DI-n-BUTYL PHTHALATE	---		

PESTICIDES IN (CHECK ONE) ( ) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
alpha-BHC	---	ALDRIN	---	beta-ENDOSULFAN	---
gamma-BHC	---	4-4'-DDE	---	ENDOSULFAN SULFATE	---
beta-BHC	---	DIELDRIN	---	ENDRIN	---
delta-BHC	---	4,4'-DDD	---	alpha-ENDOSULFAN	---
HEPTACHLOR	---	4,4'-DDT	---	HEPTACHLOR EPOXIDE	---
ENDRIN ALDEHYDE	---				

VOLATILE ORGANICS IN (CHECK ONE) (✓) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
CHLOROMETHANE	< 5	1,2-DICHLOROETHANE	< 2	1,1,2-TRICHLOROETHANE	< 2
BROMOMETHANE	---	CARBON TETRACHLORIDE	---	2-CHLOROETHYLVINYL ETHER	---
VINYL CHLORIDE	---	BROMODICHLOROMETHANE	---	TRICHLOROETHYLENE	---
CHLOROETHANE	---	BENZENE	---	BROMOFORM	---
TRICHLOROFLUOROMETHANE	< 2	DIBROMOCHLOROMETHANE	---	TOLUENE	---
CHLOROFORM	---	1,1,1-TRICHLOROETHANE	---	ETHYLBENZENE	---
METHYLENE CHLORIDE	---	1,2-DICHLOROPROPANE	---	1,1,2,2-TETRACHLOROETHANE	---
1,1-DICHLOROETHYLENE	---	trans-1,3-DICHLOROPROPYLENE	---	TETRACHLOROETHYLENE	---
1,1-DICHLOROETHANE	---	cis-1,3-DICHLOROPROPYLENE	---	CHLOROBENZENE	---
trans-1,2-DICHLOROETHYLENE	---			TOTAL XYLENES	---

TENTATIVE IDENTIFICATION OF THE TEN LARGEST NON-PRIORITY POLLUTANT PEAKS BY COMPARISON WITH EPA/NIH MASS SPECTRAL LIBRARY. QUANTITATION AS INTERNAL STANDARD IS PROVIDED, AND THE VALUES SHOULD BE REGARDED AS APPROXIMATE.

TENTATIVE COMPOUND IDENTIFICATION	APPROXIMATE CONCENTRATIONS (✓) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM
SEMI-VOLATILES	AS D10-ANTHRACENE
VOLATILES	AS D5-CHLOROBENZENE
none	

* COMMON LAB CONTAMINANTS
** REPORTED AT LESS THAN QUANTITATION LIMITS

COMMENTS AND OTHER REQUESTED ANALYSIS:

SIGNATURE DATE

Lisa Campbell 19 JUNE 90

739

Rev. 5/87

Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
294545	0952238	01

County code 101 County Harris

Well # LJ-65-13-905

Project number T-4648-01000

Date 9-17-76 Time 1415 Temp°C ?

Owner City of Houston

Address Central No. C-21

Date drld — WBF code 121 Evgl

Sample interval: (top) 745 (bottom) 2000

Water level — Appr Clear Use PS

Collector ~~[illegible]~~ BEZANT Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on Discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

S chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 294545095223801 (2–16)

Y M D 76 09 17 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7450	03	
Sample interval BOTTOM	72016	2000	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010				
pH	00400	7700	01		7.7
Specific conductance	00095	7010	03		701
HCO_3	00440	3260	03		326
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6500	01		65
Sulfate (SO_4)	00945	4000	01		4.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

740

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020973

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 45 46	095 22 38	01

County code 201 County HARRIS

Well # LJ-65-13-905

Project number 7-4648-01000

Date 2-10-77 Time — Temp°C 28.0

Owner CITY OF HOUSTON

Address CENTRAL C-21

Date drld — WBF code 121 Evgl

Sample interval: (top) 745 (bottom) 2000

Water level — Appr CLEAR Use PS

Collector P. BUTLER Yield — GPM

Smpld aftr pmpg — Depth —

Pt of coll TAP ON DISCHARGE

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule ____

Other I

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1)

Station identification number: 29454509522380 1 (2–16)

Y M D (17–22, Begin)

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7450	03	
Sample interval BOTTOM	72016	2000	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	1800	02		28.0
pH	00400	8000	01		8.0
Specific conductance	00095	7090	03		709
HCO_3	00440	2580	03		258
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6600	02		66
Sulfate (SO_4)	00945	4000	01		4.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

741

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

015480

Latitude ° ' "	Longitude ° ' "	Seq. No.
94545	0952238	1

County code 201 County HARRIS

Well # LJ-65-13-905

Project number 564801000

Date 4-15-75 Time _____ Temp°C 27.0

Owner City of Houston

Address Central 21

Date drld 2-4-57 WBF code 112 Evgl

Sample interval: (top) 745 (bottom) 2000

Water level _____ Appr _____ Use P.S.

Collector VAUGHT Yield _____ GPM

Smpld aftr pmpg _____ Depth _____

Pt of coll Faucet on side of pipe

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

trients MBAS BOD TOC DOC

Std chem schedule I + SO4

Other _____

Herbicide _____ Insecticide _____

Remarks:

Type 2 (1) — Station identification number 294545095223801 (2–16)

Y M D: 75 04 15 (17–22) Begin

Time of measurement _____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval P	72015	7450	03	
Sample interval BOTTOM	72016	2000	04	

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7300	01		7.3
Specific conductance	00095	6470	03		647
HCO_3	00440	2890	03		284
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5800	02 (UP 25)		58
Sulfate (SO_4)	00945	8800	01		8.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Water Quality Field Data

SWN: 65-13-905
County: Harris
Aquifer(s): Gulf Coast

Name: City of Houston
Address: 105 Sabine
Houston TX 77007
owner's well # Central 21

Sample No. 800
Date: 6-17-97
By: C. Martz

Bottle1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6	Bottle 7	Total SUB-Samples
500 ml Anions	1 liter Cations	250 ml Nitrate	1 liter Radioactivity				
	2 ml HNO (Nitric)	0.5 ml H SO (Sulfuric)	2 ml HNO (Nitric)				All filtered unless other-wise stipulated

743

Water Level _____ LSD Remark _____
Temperature (00010) 25.5 c
Specific Conductance (00094) 441 umhos/cm
pH (00400) 7.39
Eh (00090) 273.7 mv.
Phenol ALK (82244) 0 mg/l
Total ALK (39086) 200 mg/l
Carbonate (00452) 0 meq/l 0 mg/l
Bicarbonate (00453) 4.0 meq/l 244.1 mg/l
Total Cations(+) B
Total Anions (-) _____
Total Hardness (00900) 115
Dissolved Solids 280

Time in 8:00
Time out _____ Sample time 9:15
Weather humid well use public
Outside Temp 78
Sampling point f.a.w.

Starting pH 7.64
10.0 ml. of 0.02N to
50 ml. of Sample
Ending pH 4.49

Time:	8:45	9:00	9:05	9:10	9:12	
pH:	6.60	7.21	7.35	7.39		
Temp:	25.5	25.5	25.5	25.5		
Eh:					273.7	
Cond.	495	468	450	441		

other notes:

ml.	pH	ml.	pH	ml.	pH
1.0	7.64				
2.0	7.47				
3.0	7.39				
4.0	7.28				
5.0	7.17				
6.0	7.09				
7.0	6.97				
8.0	6.83				
9.0	6.78				
10.0	4.49				

FINAL ANALYSIS REPORT

LAB ID: 9705154 SAMPLE DESCRIPTION: Groundwater
FACILITY: TWDB SAMPLE DATE: 06/17/97
ACCT NO: SAMPLE TIME: 0915
TX WATER DEV. BOARD

DATE RECEIVED: 06/20/97
REPORT DATE: 08/19/97

LOCATION ID: 65-13-905

PARAMETER	RESULTS	UNITS	STORET #	PQL in WATER	DATE ANALYZED
Alkalinity, Phenol.	<1	mg/L	00415	1	06/20/97
Alkalinity, Total	182	mg/L	00410	1	06/20/97
Bromide	<0.50	mg/L	71870	0.05	06/20/97
Chloride	27.4	mg/L	00941	0.1	06/20/97
Fluoride	0.59	mg/L	00950	0.02	06/20/97
Iodide, Laboratory	<0.15	mg/L	71965	0.05	07/10/97
Nit.,Nitrate/Nitrite	0.050	mg/L	00630	0.020	07/01/97
Nitrogen, Kjeldahl	<0.200	mg/L	00623	0.010	07/03/97
Nitrogen, ammonia	<0.100	mg/L	00608	0.010	07/01/97
Silica	23.80	mg/L	00955	0.01	06/30/97
Sulfate	17.70	mg/L	00946	0.10	06/20/97
Aluminum, Dis. ICPMS	<1.5	ug/L	01106	1.0	07/17/97
Antimony, Dis. ICPMS	<1.0	ug/L	01095	1.0	07/17/97
Arsenic, Diss. ICPMS	<1.5	ug/L	01000	1.0	07/17/97
Barium, Diss. ICPMS	201.0	ug/L	01005	1.0	07/17/97
Beryllium, Dis ICPMS	<1.0	ug/L	01010	1.0	07/17/97
Boron, Diss. ICPMS	80.9	ug/L	01020	1.0	07/17/97
Calcium, Dissolved	33.60	mg/L	00915	0.50	06/20/97
Cobalt, Diss. ICPMS	<1.0	ug/L	01035	1.0	07/17/97
Copper, Diss. ICPMS	<1.0	ug/L	01040	1.0	07/17/97
Iron-AA, Dissolved	142.30	ug/L	01046	15.00	06/26/97
Lead, Diss. ICPMS	<1.0	ug/L	01049	1.0	07/17/97
Lithium, Diss. ICPMS	17.7	ug/L	01130	1.0	07/17/97
Magnesium, Dissolved	6.90	mg/L	00925	0.05	06/20/97
Manganese, Dis ICPMS	7.0	ug/L	01056	1.0	07/17/97
Molybdenum Dis ICPMS	<1.0	ug/L	01060	1.0	07/17/97
Nickel, Diss. ICPMS	<1.0	ug/L	01065	1.0	07/17/97
Potassium, Dissolved	1.30	mg/L	00935	1.00	06/20/97
Selenium, Dis. ICPMS	<6.0	ug/L	01145	4.0	07/17/97

FINAL ANALYSIS REPORT

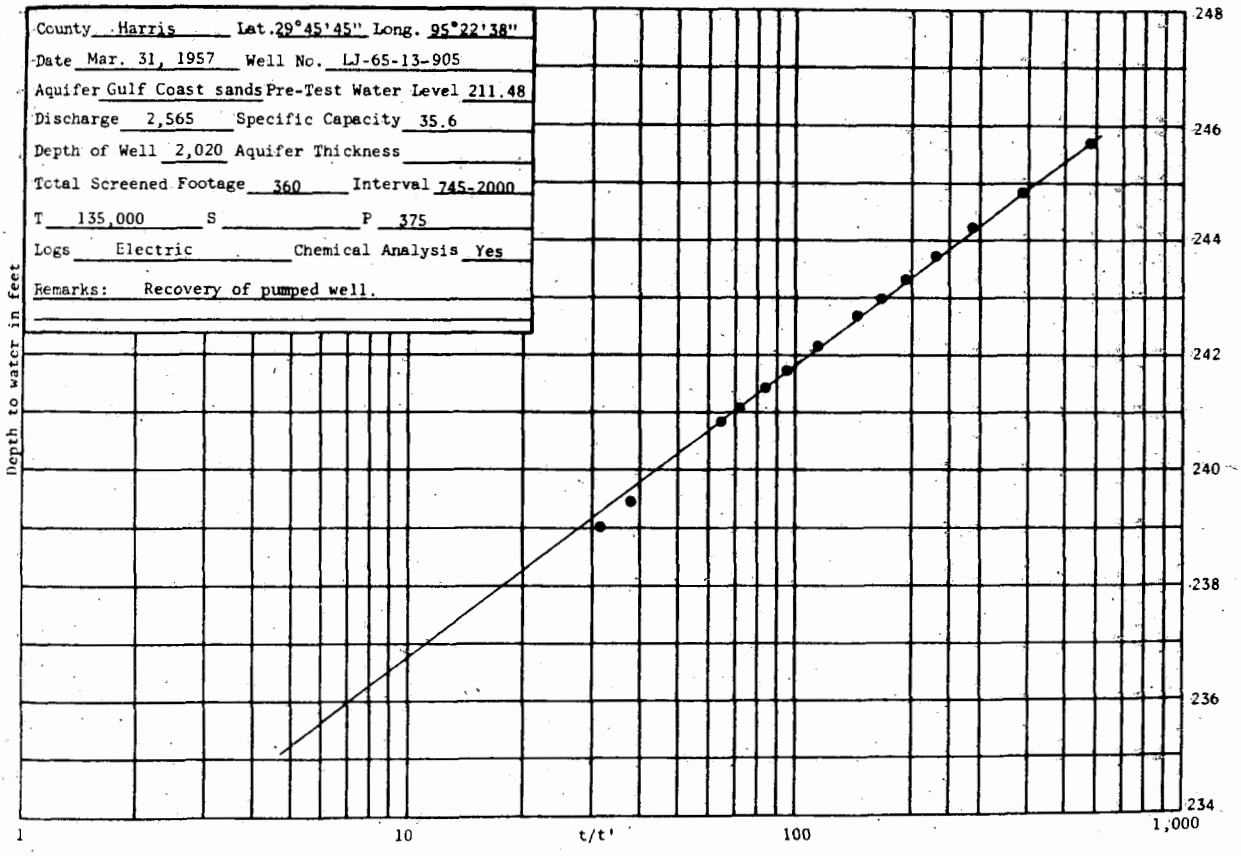
LAB ID: 9705154 SAMPLE DESCRIPTION: Groundwater
FACILITY: TWDB SAMPLE DATE: 06/17/97
ACCT NO: SAMPLE TIME: 0915
TX WATER DEV. BOARD
DATE RECEIVED: 06/20/97
REPORT DATE: 08/19/97

LOCATION ID: 65-13-905

PARAMETER	RESULTS	UNITS	STORET #	PQL in WATER	DATE ANALYZED
Sodium, Dissolved	54.60	mg/L	00930	0.10	06/20/97
Strontium, Dis ICPMS	594.0	ug/L	01080	1.0	08/12/97
Thallium, Diss ICPMS	<1.0	ug/L	01057	1.0	07/17/97
Vanadium, Diss ICPMS	5.5	ug/L	01085	1.0	07/17/97
Zinc, Diss. ICPMS	<1.0	ug/L	01090	1.0	07/17/97

COMMENTS: Silica, NH3, TKN, NO3/NO2 subcontracted.

County Harris Lat. 29°45'45" Long. 95°22'38"
Date Mar. 31, 1957 Well No. LJ-65-13-905
Aquifer Gulf Coast sands Pre-Test Water Level 211.48
Discharge 2,565 Specific Capacity 35.6
Depth of Well 2,020 Aquifer Thickness
Total Screened Footage 360 Interval 745-2000
T 135,000 S P 375
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.



Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-905

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513905
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.762778
Latitude (degrees minutes seconds)	29° 45' 46" N
Longitude (decimal degrees)	-95.3775
Longitude (degrees minutes seconds)	095° 22' 39" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	43
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2020
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	2/4/1957
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central 21
Driller	Texas Water Wells, Inc.
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/16/1968
Last Update Date	7/12/2010

Remarks	Reported yield 2565 GPM with 72 feet recovery in 1957. Specific capacity 35.6 GPM/ft. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	606
12	Blank	Steel			506	745
12	Screen	Steel			745	760
12	Blank	Steel			760	780
12	Screen	Steel			780	790
12	Blank	Steel			790	840
12	Screen	Steel			840	855
12	Blank	Steel			855	870
12	Screen	Steel			870	880
12	Blank	Steel			880	900
12	Screen	Steel			900	930
12	Blank	Steel			930	965
12	Screen	Steel			965	975
12	Blank	Steel			975	1145
12	Screen	Steel			1145	1185
12	Blank	Steel			1185	1220
12	Screen	Steel			1220	1230
12	Blank	Steel			1230	1260
12	Screen	Steel			1260	1275
12	Blank	Steel			1275	1285
12	Screen	Steel			1285	1300
12	Blank	Steel			1300	1310
12	Screen	Steel			1310	1325
12	Blank	Steel			1325	1355
12	Screen	Steel			1355	1380
12	Blank	Steel			1380	1405
12	Screen	Steel			1405	1420
12	Blank	Steel			1420	1460
12	Screen	Steel			1460	1505
12	Blank	Steel			1505	1585
12	Screen	Steel			1585	1600
12	Blank	Steel			1600	1660
12	Screen	Steel			1660	1670
12	Blank	Steel			1670	1760
12	Screen	Steel			1760	1770
12	Blank	Steel			1770	1900
12	Screen	Steel			1900	1930
12	Blank	Steel			1930	1935
12	Screen	Steel			1935	2000
12	Blank	Steel			2000	2020

Well Tests - No Data

Lithology - No Data

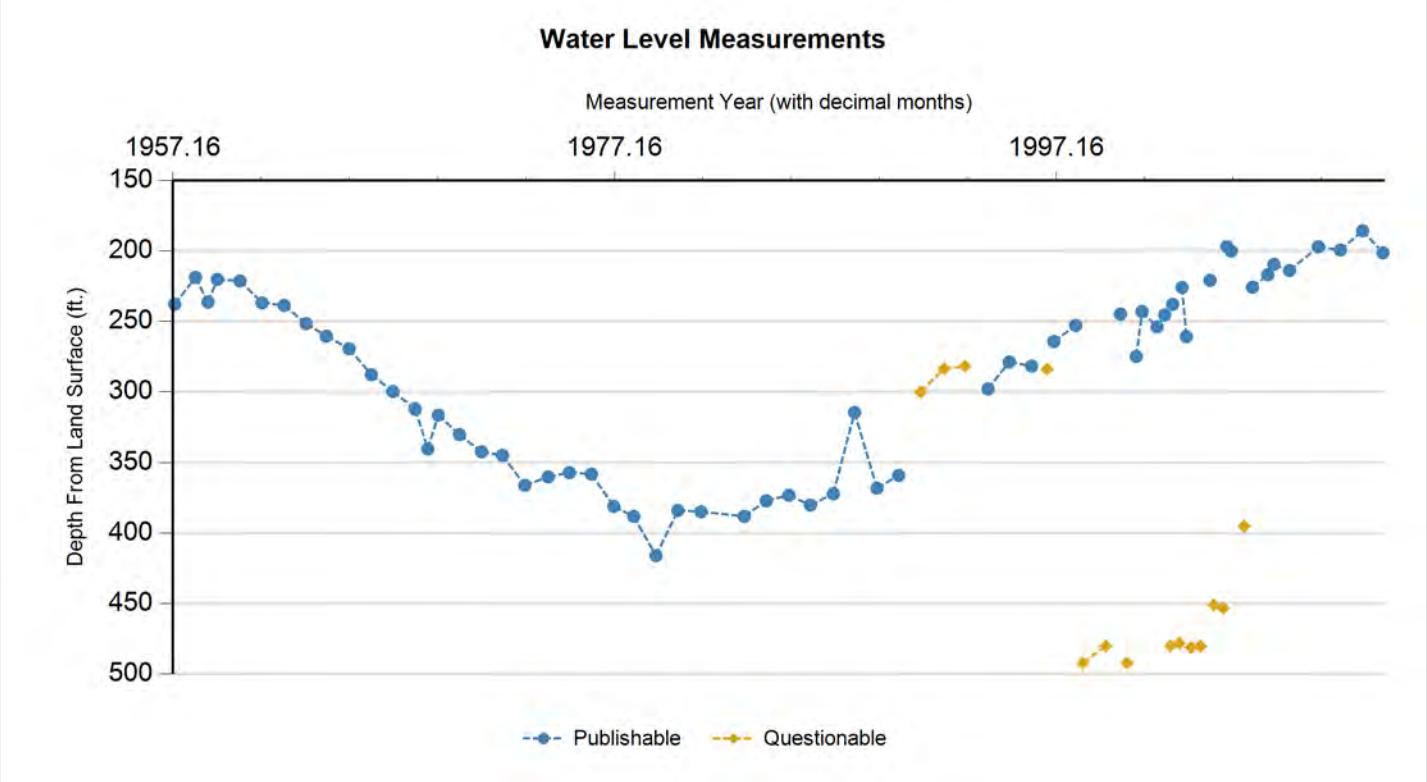
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/31/1957		237.9		-194.9	2	U.S. Geological Survey	Steel Tape		
P	3/10/1958		218.89	(19.01)	-175.89	1	U.S. Geological Survey	Steel Tape		
P	10/7/1958		236.43	17.54	-193.43	1	U.S. Geological Survey	Steel Tape		
P	3/5/1959		220.28	(16.15)	-177.28	1	U.S. Geological Survey	Steel Tape		
P	3/14/1960		221.32	1.04	-178.32	1	U.S. Geological Survey	Steel Tape		
P	3/14/1961		236.98	15.66	-193.98	1	U.S. Geological Survey	Steel Tape		
P	3/13/1962		238.73	1.75	-195.73	1	U.S. Geological Survey	Steel Tape		
P	3/12/1963		251.66	12.93	-208.66	1	U.S. Geological Survey	Steel Tape		
P	2/11/1964		260.55	8.89	-217.55	1	U.S. Geological Survey	Steel Tape		
P	2/22/1965		269.5	8.95	-226.5	1	U.S. Geological Survey	Steel Tape		
P	2/25/1966		287.96	18.46	-244.96	1	U.S. Geological Survey	Steel Tape		
P	2/15/1967		299.85	11.89	-256.85	1	U.S. Geological Survey	Steel Tape		
P	2/20/1968		312.09	12.24	-269.09	1	U.S. Geological Survey	Steel Tape		
P	9/18/1968		340.17	28.08	-297.17	1	U.S. Geological Survey	Steel Tape		
P	3/5/1969		316.17	(24.00)	-273.17	1	U.S. Geological Survey	Steel Tape		
P	2/19/1970		329.94	13.77	-286.94	1	U.S. Geological Survey	Steel Tape		
P	2/22/1971		342.25	12.31	-299.25	1	U.S. Geological Survey	Steel Tape		
P	2/1/1972		344.69	2.44	-301.69	1	U.S. Geological Survey	Steel Tape		
P	2/6/1973		366	21.31	-323	1	U.S. Geological Survey	Air Line		
P	2/27/1974		360	(6.00)	-317	1	U.S. Geological Survey	Air Line		
P	2/12/1975		357	(3.00)	-314	2	U.S. Geological Survey	Air Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/11/1976		358	1.00	-315	2	U.S. Geological Survey	Air Line		
P	2/15/1977		381	23.00	-338	2	U.S. Geological Survey	Air Line		
P	1/9/1978		388	7.00	-345	1	U.S. Geological Survey	Air Line		
P	1/12/1979		415.93	27.93	-372.93	1	U.S. Geological Survey	Steel Tape		
P	1/8/1980		383.8	(32.13)	-340.8	1	U.S. Geological Survey	Steel Tape		
P	1/26/1981		384.7	0.90	-341.7	1	U.S. Geological Survey	Steel Tape		
P	1/11/1983		388	3.30	-345	1	U.S. Geological Survey	Air Line		
P	1/10/1984		377	(11.00)	-334	1	U.S. Geological Survey	Air Line		
P	1/18/1985		373	(4.00)	-330	1	U.S. Geological Survey	Steel Tape		
P	1/8/1986		380	7.00	-337	1	U.S. Geological Survey	Steel Tape		
P	1/22/1987		372	(8.00)	-329	1	U.S. Geological Survey	Unknown		
P	1/8/1988		314.25	(57.75)	-271.25	1	U.S. Geological Survey	Unknown		
P	1/13/1989		368	53.75	-325	1	U.S. Geological Survey	Unknown		
P	1/8/1990		359	(9.00)	-316	1	U.S. Geological Survey	Air Line		
Q	1/7/1991		300.05	(58.95)	-257.05	1	U.S. Geological Survey	Steel Tape	4	
Q	1/28/1992		283.66	(16.39)	-240.66	1	U.S. Geological Survey	Steel Tape	4	
Q	1/7/1993		281.93	(1.73)	-238.93	1	U.S. Geological Survey	Steel Tape	4	
P	1/21/1994		298.08	16.15	-255.08	1	U.S. Geological Survey	Steel Tape		
P	1/9/1995		278.9	(19.18)	-235.9	1	U.S. Geological Survey	Steel Tape		
P	1/15/1996		281.8	2.90	-238.8	1	U.S. Geological Survey	Steel Tape		
Q	9/30/1996		284	2.20	-241	1	U.S. Geological Survey	Electric Line	2	
P	1/16/1997		264.41	(19.59)	-221.41	1	U.S. Geological Survey	Steel Tape		
P	1/12/1998		253	(11.41)	-210	1	U.S. Geological Survey	Air Line		
P	1/12/1998		253.43	0.43	-210.43	2	U.S. Geological Survey	Steel Tape		
Q	5/8/1998		492	238.57	-449	1	U.S. Geological Survey	Air Line	2	
Q	5/26/1999		480	(12.00)	-437	1	U.S. Geological Survey	Air Line	2	
P	1/21/2000		244.9	(235.10)	-201.9	1	U.S. Geological Survey	Steel Tape		
P	1/21/2000		256	11.10	-213	2	U.S. Geological Survey	Air Line		
Q	5/10/2000		492	236.00	-449	1	U.S. Geological Survey	Air Line	2	
P	10/13/2000		275	(217.00)	-232	1	U.S. Geological Survey	Air Line		
P	1/12/2001		243.08	(31.92)	-200.08	1	U.S. Geological Survey	Steel Tape		
P	9/21/2001		254	10.92	-211	1	U.S. Geological Survey	Air Line		
P	1/22/2002		245.46	(8.54)	-202.46	1	U.S. Geological Survey	Steel Tape		
Q	5/3/2002		480	234.54	-437	1	U.S. Geological Survey	Air Line	2	
P	6/4/2002		238	(242.00)	-195	1	U.S. Geological Survey	Air Line		
Q	9/23/2002		478	240.00	-435	1	U.S. Geological Survey	Air Line	2	
P	11/8/2002		226	(252.00)	-183	1	U.S. Geological Survey	Steel Tape		
P	1/16/2003		260.97	34.97	-217.97	1	U.S. Geological Survey	Steel Tape		
Q	4/7/2003		481	220.03	-438	1	U.S. Geological Survey	Steel Tape	2	
Q	9/8/2003		480	(1.00)	-437	1	U.S. Geological Survey	Steel Tape	2	
P	2/11/2004		221	(259.00)	-178	1	U.S. Geological Survey	Steel Tape		
Q	4/13/2004		451	230.00	-408	1	U.S. Geological Survey	Steel Tape	2	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-905

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Q	9/20/2004		453	2.00	-410	1	U.S. Geological Survey	Steel Tape	2	
P	11/19/2004		197	(256.00)	-154	1	U.S. Geological Survey	Air Line		
P	1/25/2005		200.21	3.21	-157.21	1	U.S. Geological Survey	Steel Tape		
Q	8/29/2005		395	194.79	-352	1	U.S. Geological Survey	Air Line	2	
P	1/12/2006		225.87	(169.13)	-182.87	1	U.S. Geological Survey	Steel Tape		
P	9/25/2006		217	(8.87)	-174	1	U.S. Geological Survey	Air Line		
P	1/2/2007		209.62	(7.38)	-166.62	1	U.S. Geological Survey	Steel Tape		
P	9/19/2007		214	4.38	-171	1	U.S. Geological Survey	Air Line		
P	1/5/2009		197.19	(16.81)	-154.19	1	U.S. Geological Survey	Steel Tape		
P	1/5/2010		199.47	2.28	-156.47	1	U.S. Geological Survey	Steel Tape		
P	1/6/2011		185.77	(13.70)	-142.77	1	U.S. Geological Survey	Steel Tape		
P	12/14/2011		201.39	15.62	-158.39	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 3/31/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		263.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		321	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		300	ug/L	
00910	CALCIUM (MG/L)		16	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.13		
00955	SILICA, DISSOLVED (MG/L AS SI02)		20	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.76		
00932	SODIUM, CALCULATED, PERCENT		83	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		134	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		678	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		400	mg/L	

Water Quality Analysis

Sample Date: 3/15/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		274.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		335	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		54	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		719	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/10/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		277.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		338	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		53	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		717	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/9/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		299	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		656	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 3/8/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		56	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		718	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/19/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		699	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/22/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		285.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		348	mg/L	
00910	CALCIUM (MG/L)		16	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		56	mg/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.57		
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		731	MICR	

Water Quality Analysis

Sample Date: 2/16/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		280.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		722	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 4/8/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		277.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		338	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		67	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		727	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/6/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		740	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/23/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		84	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		718	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/26/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		188.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		230	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 4/15/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		289	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		647	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/17/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		701	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	

Water Quality Analysis

Sample Date: 2/10/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		709	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/5/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		708	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/22/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		700	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 3/9/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		261	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		700	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 6/17/1997 **Sample Time:** 0915 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		200	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180	mg/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	1.5	ug/L	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	1.5	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		201	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		219.66	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		80.9	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)	<	0.5	mg/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		33.6	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		27.4	mg/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		113	mg/L	
71865	IODIDE (MG/L AS I)	<	0.15	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)		142.3	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		17.7	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		6.9	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		7	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)	<	1	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.22	mg/L	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		0.05	mg/L	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	<	0.1	mg/L	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	<	0.2	mg/L	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		-273.7	MV	
00400	PH (STANDARD UNITS), FIELD		7.39	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.36		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	6	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		23.8	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
65-13-905

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.24		
00932	SODIUM, CALCULATED, PERCENT		51	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		54.6	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		441	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		594	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		17.7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25.5	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		274	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		5.5	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	1	ug/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6513906 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294535 **Longitude** 952359 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Harris Cream Top Dairy

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1933 **Depth** 514 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - Pump Mfr. - _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1933
-49

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 462 to 504 ft.
Yield: 120 gpm with 20 ft. drawdown when drilled.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board
Well Schedule

groundwater resources

State Well Number: **65-13-906** Previous Well Number: County: **Harris** **201**

Latitude (dms): **294535** Longitude (dms): **952359** Coordinate Accuracy: **+/- 5 Seconds**

River Basin: **San Jacinto River** GMA: **14** RWPA: **H** GCD: **Harris-Galveston Subsidence District**

Owner: **Harris Cream Top Dairy** Driller: **Layne Texas Co.**

Aquifer ID: **Gulf Coast**

Aquifer Code: **112CHCTL**

CHICOT AQUIFER,LOWER

Depth (ft): **514** Elevation (ft): **51**

Source of Depth: **Owner** Source of Elevation: **Interpolated From Topo Map**

Date Drilled: **00/00/1933** Well Type: **Withdrawal of Water**

Type of Lift: **Turbine Pump** Power: **Electric Motor** Horsepower:

Construction: Completion:

Casing Material: Screen Material:

CASING INTERVALS:
Casing/Blank Pipe (C)
Well Screen/Slotted Zone (S)
Open Hole (O)

Dia. (in.)	Top (ft.)	Bottom (ft.)

WATER USE

Primary: **Plugged or Destroyed** Secondary: Tertiary:

Water Levels: **Miscellaneous Measurements**

1 measurement
1933
-49

Water Quality: **N**

Other Data: Logs:

REMARKS:

TWDB R178: Screen from 462 to 504 ft.
Yield: 120 gpm with 20 ft. drawdown when drilled.
Well determined destroyed based on Google Earth search. Currently covered by condominium parking garage.

Reporting Agency: **TWDB or Predecessor Agency**

Date Collected or Reported: **09/30/2002**

Recorded by: _____

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-906

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513906
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.759723
Latitude (degrees minutes seconds)	29° 45' 35" N
Longitude (decimal degrees)	-95.399722
Longitude (degrees minutes seconds)	095° 23' 59" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	514
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1933
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Harris Cream Top Dairy
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	10/19/2012

Remarks	TWDB R178: Screen from 462 to 504 ft. Yield: 120 gpm with 20 ft. drawdown when drilled. Well determined destroyed based on Google Earth search. Currently covered by condominium parking garage.

Casing - No Data

Well Tests - No Data

Lithology - No Data

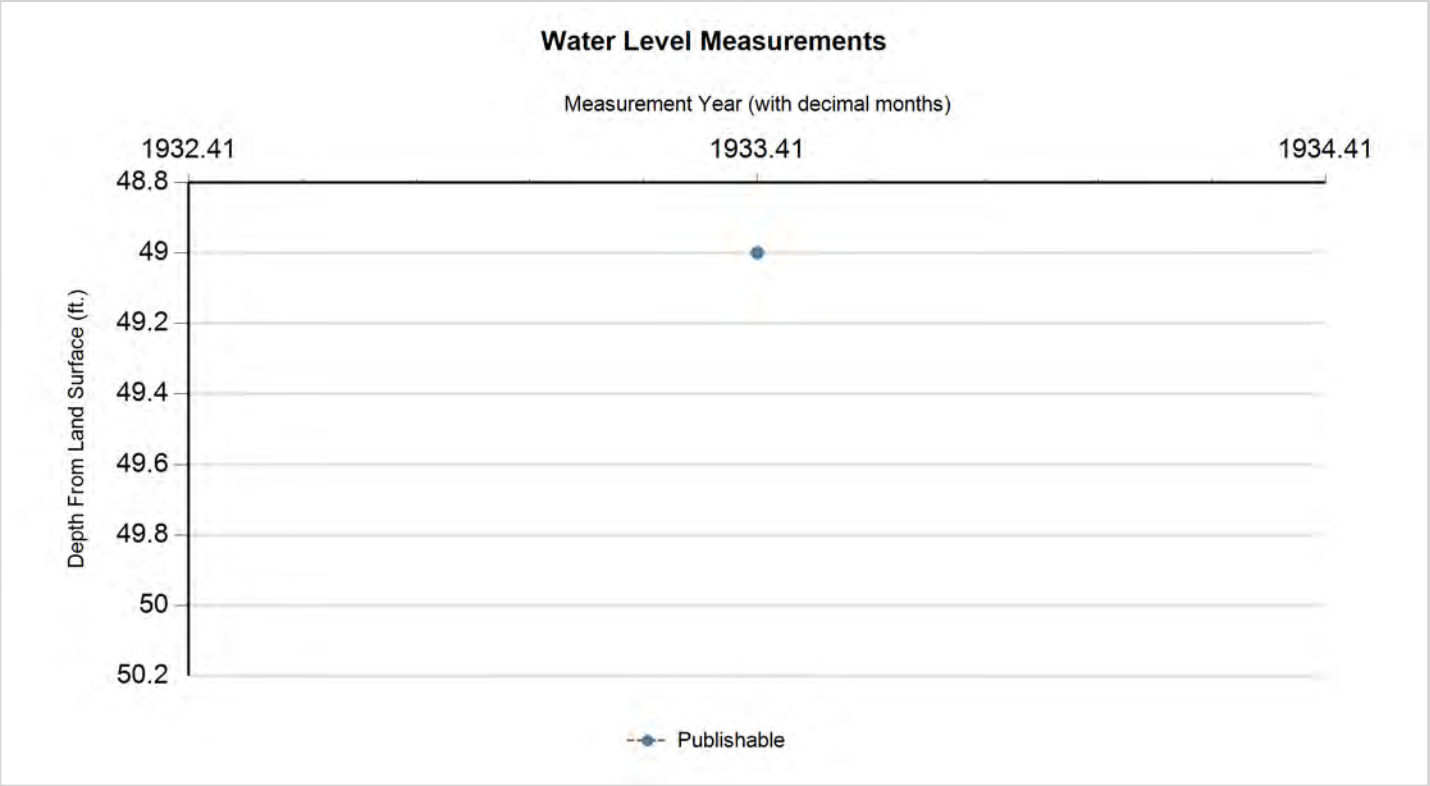
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/0/1933		49		2	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6513909 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294728 **Longitude** 952319 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Creamix Corp.

Driller
McMasters & Pomeroy

Address _____ **Tenant/Oper.** _____

Date Drilled / /1927 **Depth** 250 **Source of Depth** **Altitude** 62 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Completion

Screen Material

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1931
-67

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 68 ft. of screen
between 173 and 250 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-909

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513909
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791111
Latitude (degrees minutes seconds)	29° 47' 28" N
Longitude (decimal degrees)	-95.388611
Longitude (degrees minutes seconds)	095° 23' 19" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	62
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	250
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1927
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Creamix Corp.
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 68 ft. of screen between 173 and 250 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

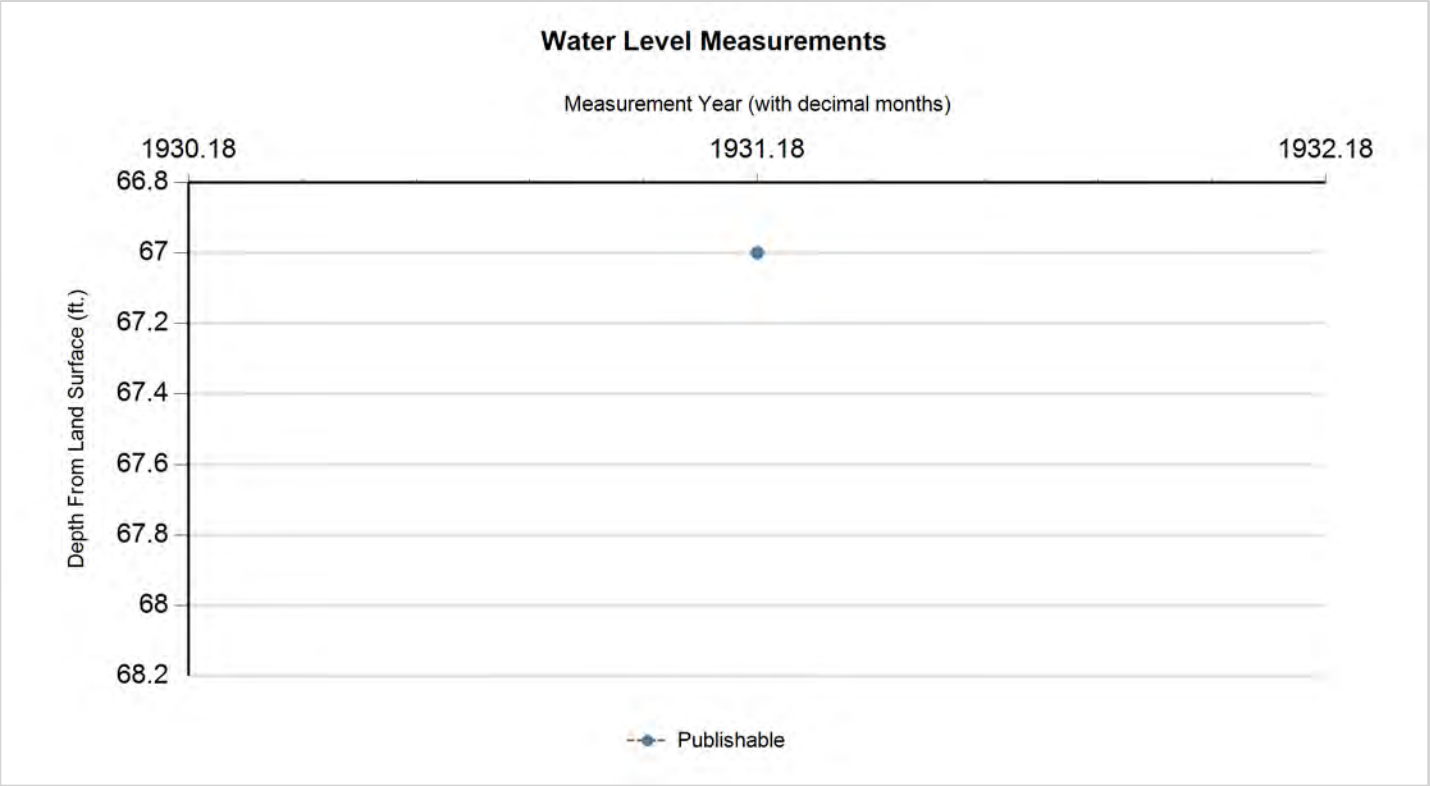
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/4/1931		67		-5	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-909

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-910

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513910
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.785834
Latitude (degrees minutes seconds)	29° 47' 09" N
Longitude (decimal degrees)	-95.409167
Longitude (degrees minutes seconds)	095° 24' 33" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	62
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	465
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1917
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Fidelity Chem. Corp.
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178

Casing - No Data

Well Tests - No Data

Lithology - No Data

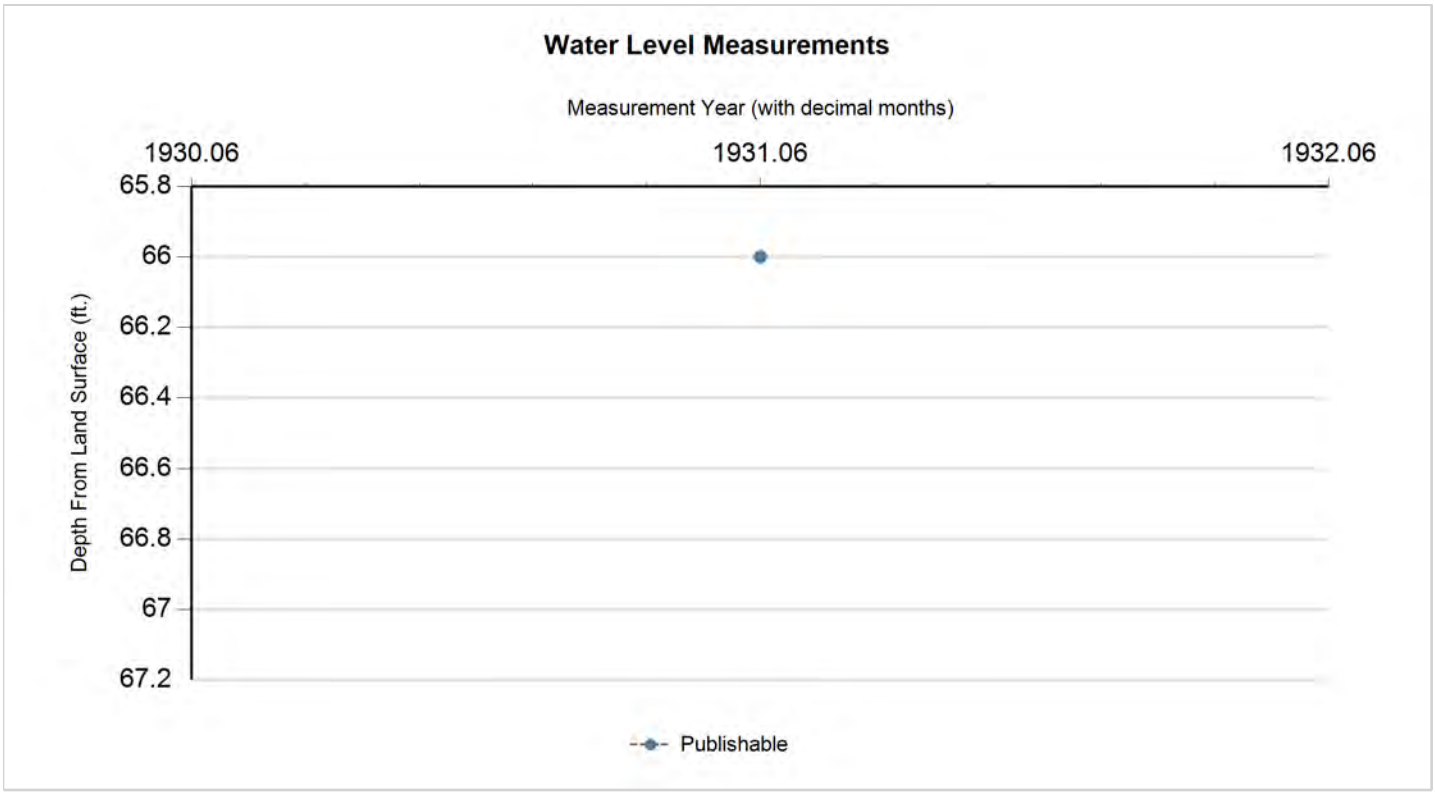
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/23/1931		66		-4	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-911

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513911
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.781667
Latitude (degrees minutes seconds)	29° 46' 54" N
Longitude (decimal degrees)	-95.404167
Longitude (degrees minutes seconds)	095° 24' 15" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	58
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	670
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1917
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Airlift
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Swift and Co.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 60 ft. of screen between 500 and 670 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

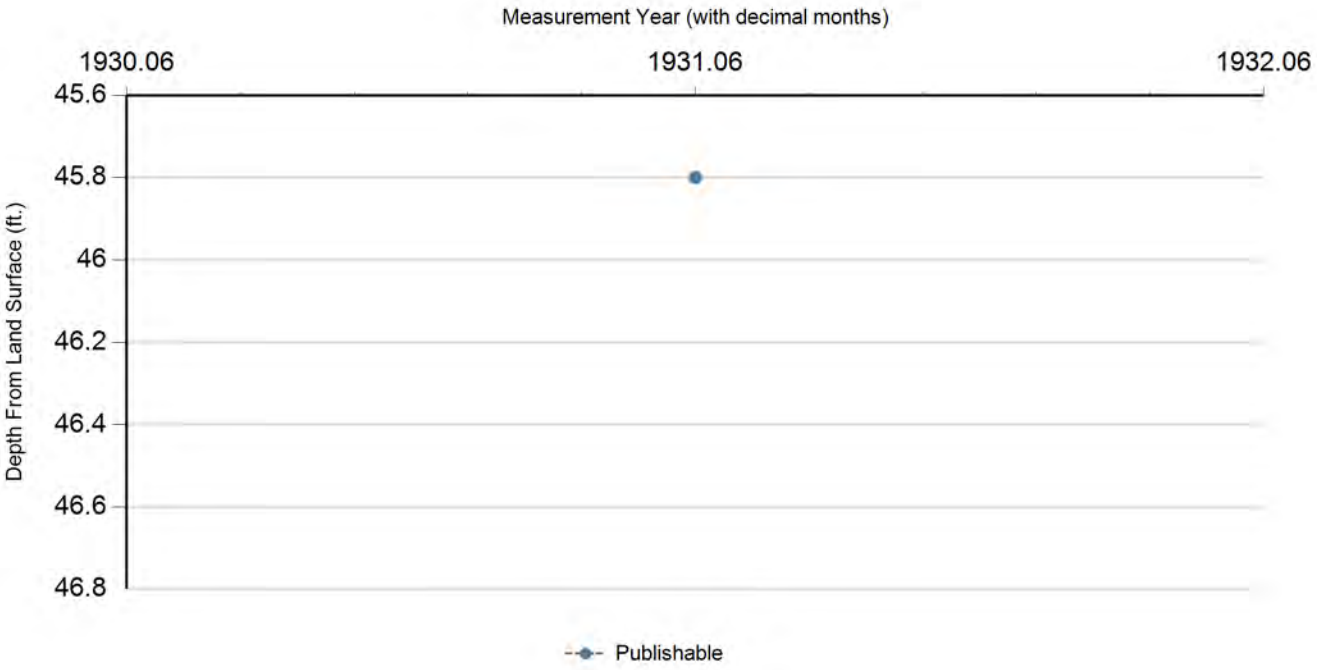
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/23/1931		45.8		12.2	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-911

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-912

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513912
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.779444
Latitude (degrees minutes seconds)	29° 46' 46" N
Longitude (decimal degrees)	-95.403612
Longitude (degrees minutes seconds)	095° 24' 13" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	540
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1893
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Houston Cotton Oil Co.
Driller	G. C. Warniecke
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178

Casing - No Data

Well Tests - No Data

Lithology - No Data

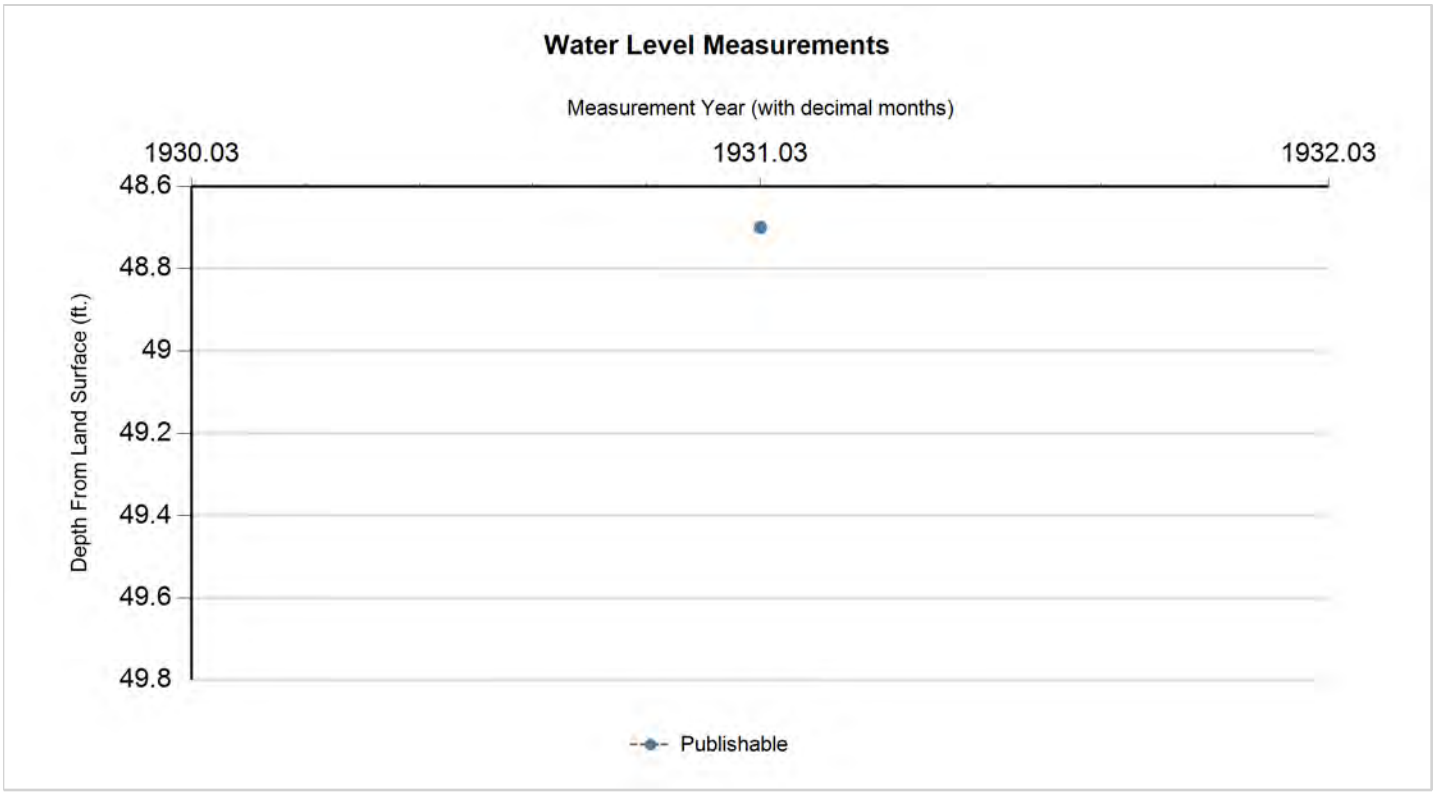
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/11/1931		48.7		2.3	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 914 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 13 Longitude - 95 24 39 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston Driller -

Address _____ Tenant/Oper. _____
Date Drilled - / /1917 Depth - 558 ft. Source of Depth - R Altitude - 59 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 01/22/1999

Casing or Blank Pipe (C) Well Screen or Slotted Zone (Open Hole (O) Cemented from_____to_____		
	Diam. (in.)	Setting(feet) From To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCT
Well No. - 65 13 914

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-914

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513914
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.770555
Latitude (degrees minutes seconds)	29° 46' 14" N
Longitude (decimal degrees)	-95.411112
Longitude (degrees minutes seconds)	095° 24' 40" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	59
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	558
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1917
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 915 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 15 Longitude - 95 24 42 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston Driller - Layne Bowler Co.

Address _____ Tenant/Oper. _____
Date Drilled - 11/ /1918 Depth - 1,465 ft. Source of Depth - D Altitude - 59 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 01/22/1999

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 13 915

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-915

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513915
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.771111
Latitude (degrees minutes seconds)	29° 46' 16" N
Longitude (decimal degrees)	-95.411945
Longitude (degrees minutes seconds)	095° 24' 43" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	59
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1465
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	11/0/1918
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Layne Bowler Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No J-65-13-916

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by Gene McAdoo P.P. Livingston 1931 Source of data File Date 1-19-68 Map Houston Heights 1955 1:24000

State Texas [48] County (or town) Harris [LJ]

Latitude: [29 46 17 N] Longitude: [095 23 47] Sequential number: [1]

Lat-long accuracy: [1] T. ____ S, R ____ W, Sec ____, ____ ¼, ____ ¼, ____ ¼ ____

Local well number: LJ-65-13-916 Other number: 604 in B & M 889-C

Local use: ____ Owner or name: Horlock Ice Co.

Owner or name: HORLOCK ICE CO. Address: Houston, Texas.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ [N]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (Q) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdrew, (X) Waste, (Z) Destroyed [X] Z 1968

DATA AVAILABLE: Well data [9] Freq. W/L meas.: 1931-1968 Overterly [Q] Field aquifer char. [ ]

Hyd. lab. data: ____ [ ]

Qual. water data; type: ____ [ ]

Freq. sampling: None [ ] Pumpage inventory: yes / no, period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: ____ [ ]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 340 ft [340] Meas. (rept) Driller accuracy [6]

Depth cased: (first perf.) ? ft [ ] Casing type: S ; Diam. 8 in [5]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other ____ [ ]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ [H]

Date Drilled: 1925 [925] Pump intake setting: ____ ft [ ]

Driller: J.A. Walling (name), ____ (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] Deep / Shallow [ ]

Power (type): diesel, elec, gas (nat), gasoline, hand, gas (LP), wind; H.P. ____ [ ] Trans. or meter no. ____

Descrip. MP ____ +1.7 ft above / below LSD, Alt. MP ____

Alt. LSD: 60 [60] Accuracy: (source) Topo 5' [3]

Water Level 71.34 ft above / below MP; ft above / below LSD [70] Accuracy: Meas [A]

Date meas: 1-23-31 [1 3 1] Yield: ____ gpm [ ] Method determined [ ]

Drawdown: ____ ft [ ] Accuracy: ____ [ ] Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] Sulfate ____ ppm [ ] Chloride ____ ppm [ ] Hard. ____ ppm [ ]

Sp. Conduct ____ K x 10^6 [ ] Temp. ____ °F [ ] Date sampled ____ [ ]

Taste, color, etc. ____

Well No. LJ-65-13-916

Well No. LJ-65-[illegible]-916

Latitude-longitude 29 d, 46 m, 17 s 095 d, 23 m, 47.1 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain (20–21) Section: West

G C P (22) = Drainage Basin: (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: ____ system, ____ series (28–29) ____ aquifer, formation, group (30–31) C

Lithology: (32–33) Origin: (34) Aquifer Thickness: ____ ft

(35–37) Length of well open to: ____ ft (38–40) Depth to top of: ____ ft (41–43)

MINOR AQUIFER: ____ system, ____ series (44–45) ____ aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ____ ft

(51–53) Length of well open to: ____ ft (54–56) Depth to top of: ____ ft (57–59)

Intervals Screened:

Depth to consolidated rock: ____ ft (60–63) Source of data: (64)

Depth to basement: ____ ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: ____ gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: ____ gpd/ft^2; Spec cap: ____ gpm/ft; Number of geologic cards: (79)

Well No. LJ-65-13-916

GPO 857–700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-916

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513916
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.770833
Latitude (degrees minutes seconds)	29° 46' 15" N
Longitude (decimal degrees)	-95.395834
Longitude (degrees minutes seconds)	095° 23' 45" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	60
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	340
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1925
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Horlock Ice.co.
Driller	J.A. Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Well abandoned.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

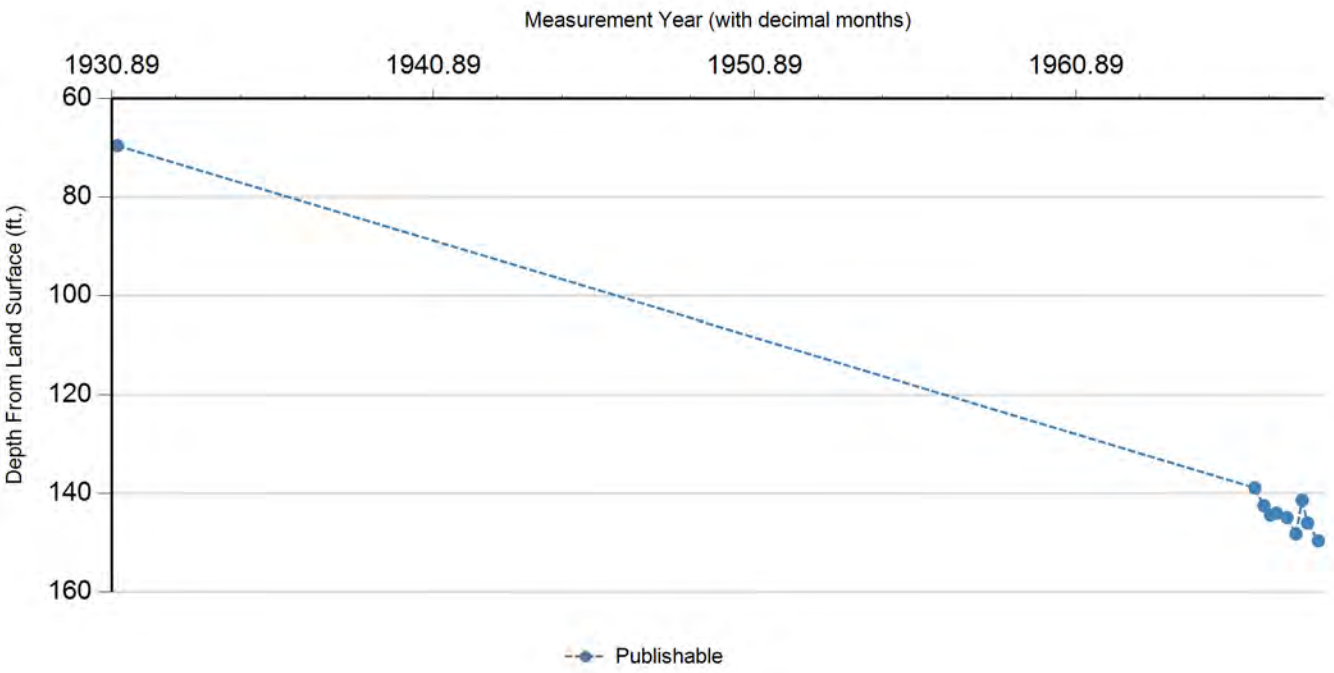
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/23/1931		69.6		-9.6	1	Texas Water Development Board	Steel Tape		
P	6/20/1966		138.86	69.26	-78.86	1	U.S. Geological Survey	Steel Tape		
P	10/3/1966		142.47	3.61	-82.47	1	U.S. Geological Survey	Steel Tape		
P	12/19/1966		144.37	1.90	-84.37	1	U.S. Geological Survey	Steel Tape		
P	2/20/1967		143.96	(0.41)	-83.96	1	U.S. Geological Survey	Steel Tape		
P	6/20/1967		144.86	0.90	-84.86	1	U.S. Geological Survey	Steel Tape		
P	10/2/1967		148.23	3.37	-88.23	1	U.S. Geological Survey	Steel Tape		
P	12/12/1967		141.35	(6.88)	-81.35	1	U.S. Geological Survey	Steel Tape		
P	2/9/1968		145.97	4.62	-85.97	1	U.S. Geological Survey	Steel Tape		
P	6/12/1968		149.57	3.60	-89.57	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6513918 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294606 **Longitude** 952315 **Source of Coords** 3

Owner's Well No. **Location**

Owner
Henke and Pillot

Driller
McMasters and Pomeroy

Address **Tenant/Oper.**

Date Drilled / /1929 **Depth** 571 **Source of Depth** **Altitude** 55 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - Pump Mfr. - **Type -** NONE **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** blank **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 2 measurements
1931 to 1948
MIN -110.3 MAX -74.7

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 511 to 571 ft. Well destroyed.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-918

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513918
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.768333
Latitude (degrees minutes seconds)	29° 46' 06" N
Longitude (decimal degrees)	-95.3875
Longitude (degrees minutes seconds)	095° 23' 15" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	571
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1929
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Henke and Pillot
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Screen from 511 to 571 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

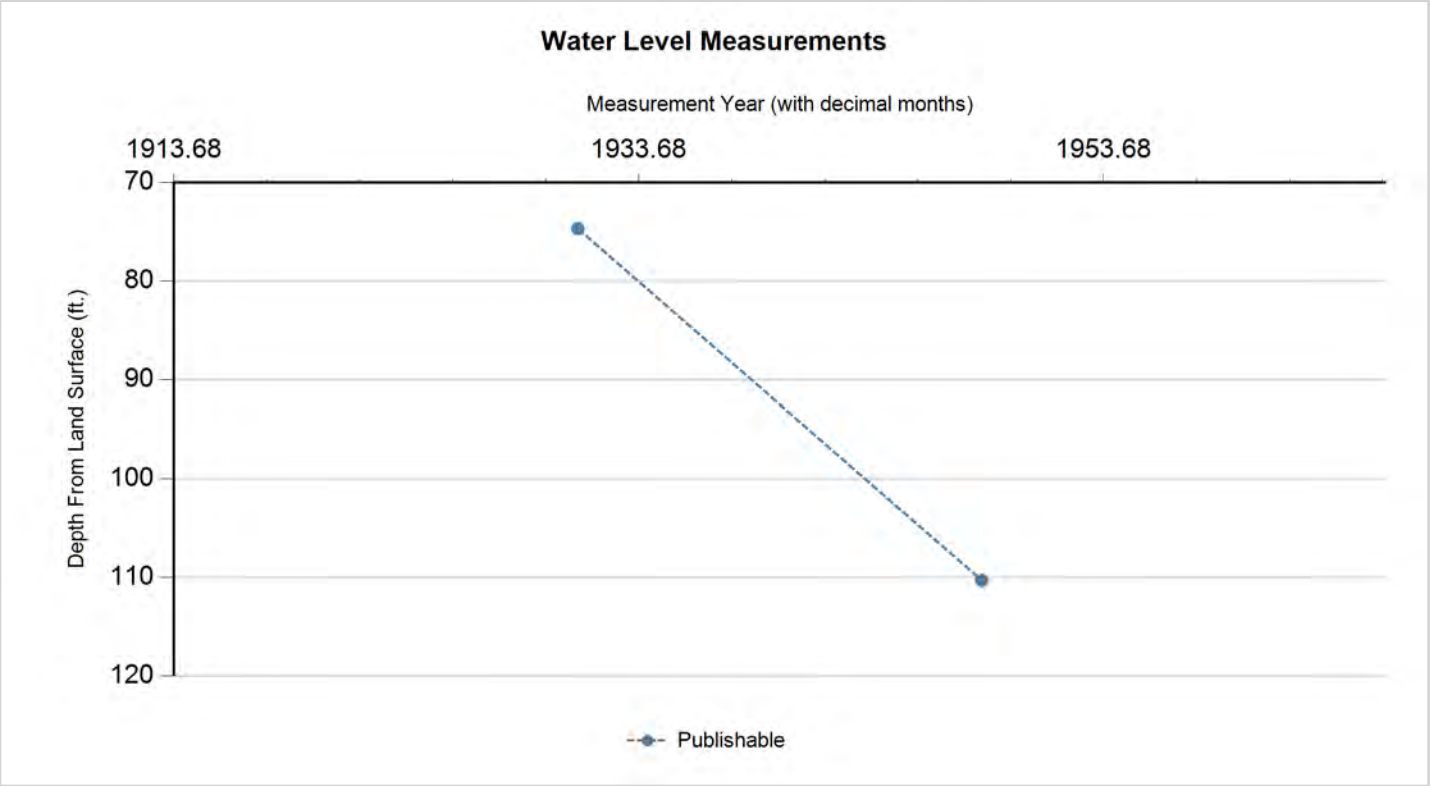
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/22/1931		74.7		-19.7	1	Registered Water Well Driller	Unknown		
P	6/10/1948		110.3	35.60	-55.3	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/30/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		195.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		238	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		195	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.3	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		49	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-918

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		186	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		45	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		303	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 921 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 50 Longitude - 95 23 31 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Standard Rice Co. Driller - Layne Bowler

Address _____ Tenant/Oper. _____
Date Drilled - / /1908 Depth - 853 ft. Source of Depth - Altitude - 50 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS
Date- 01/25/1931 Measurement- -53.00
Date- 11/07/1938 Measurement- -85.00

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
Screen from 806 to 848 ft. Well
destroyed.

Aquifer - 121EVGL
Well No. - 65 13 921

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-921

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513921
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763889
Latitude (degrees minutes seconds)	29° 45' 50" N
Longitude (decimal degrees)	-95.391945
Longitude (degrees minutes seconds)	095° 23' 31" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	853
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1908
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Standard Rice Co.
Driller	Layne Bowler
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Screen from 806 to 848 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

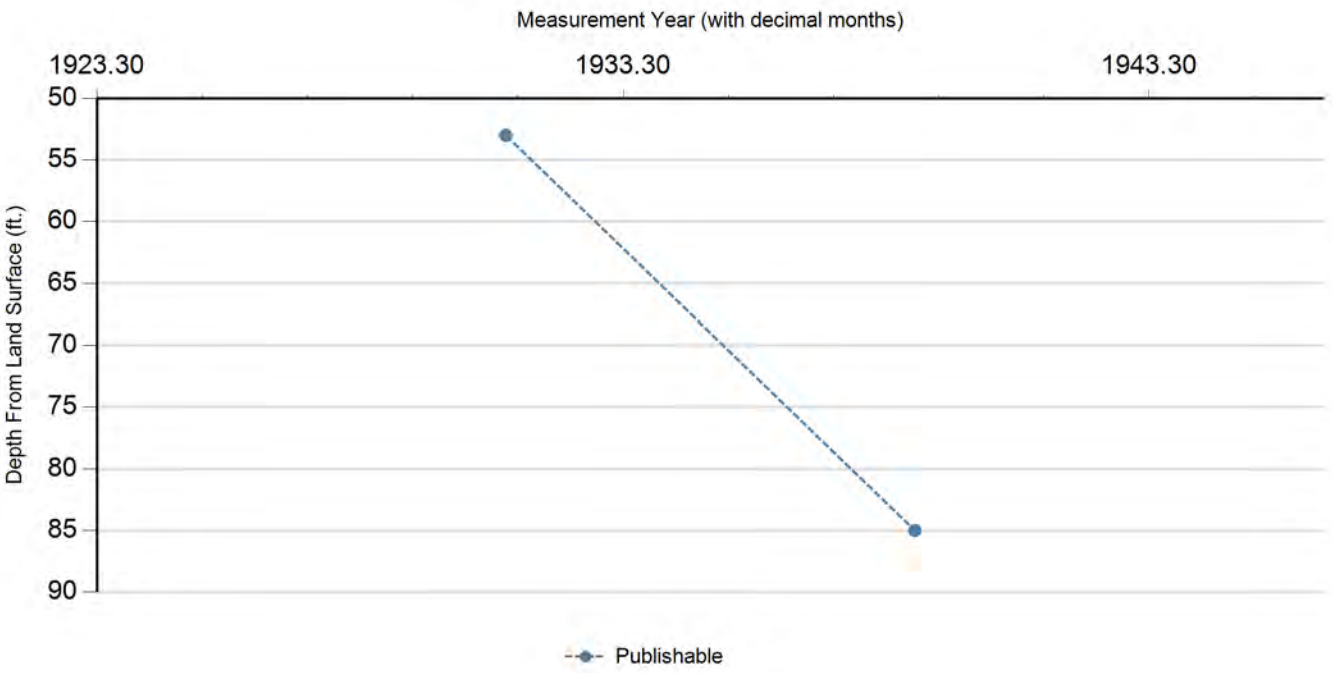
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/25/1931		53		-3	1	Texas Water Development Board	Steel Tape		
P	11/7/1938		85	32.00	-35	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/25/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	

Water Quality Analysis

Sample Date: 1/14/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		59	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		262	mg/L	

Water Quality Analysis

Sample Date: 7/24/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		135	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		274	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		167.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		204	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		100	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.8	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		238	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		189.29	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		231	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		132	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00910	CALCIUM (MG/L)		37	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		133	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.13		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.88		
00932	SODIUM, CALCULATED, PERCENT		44	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		50	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		252	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-921

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 924 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 48 Longitude - 95 22 46 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Central

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1927 Depth - 1,456 ft. Source of Depth - Altitude - 42 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS
Date- 05/21/1927 Measurement- -47.00
Date- 03/03/1966 Measurement- -266.00

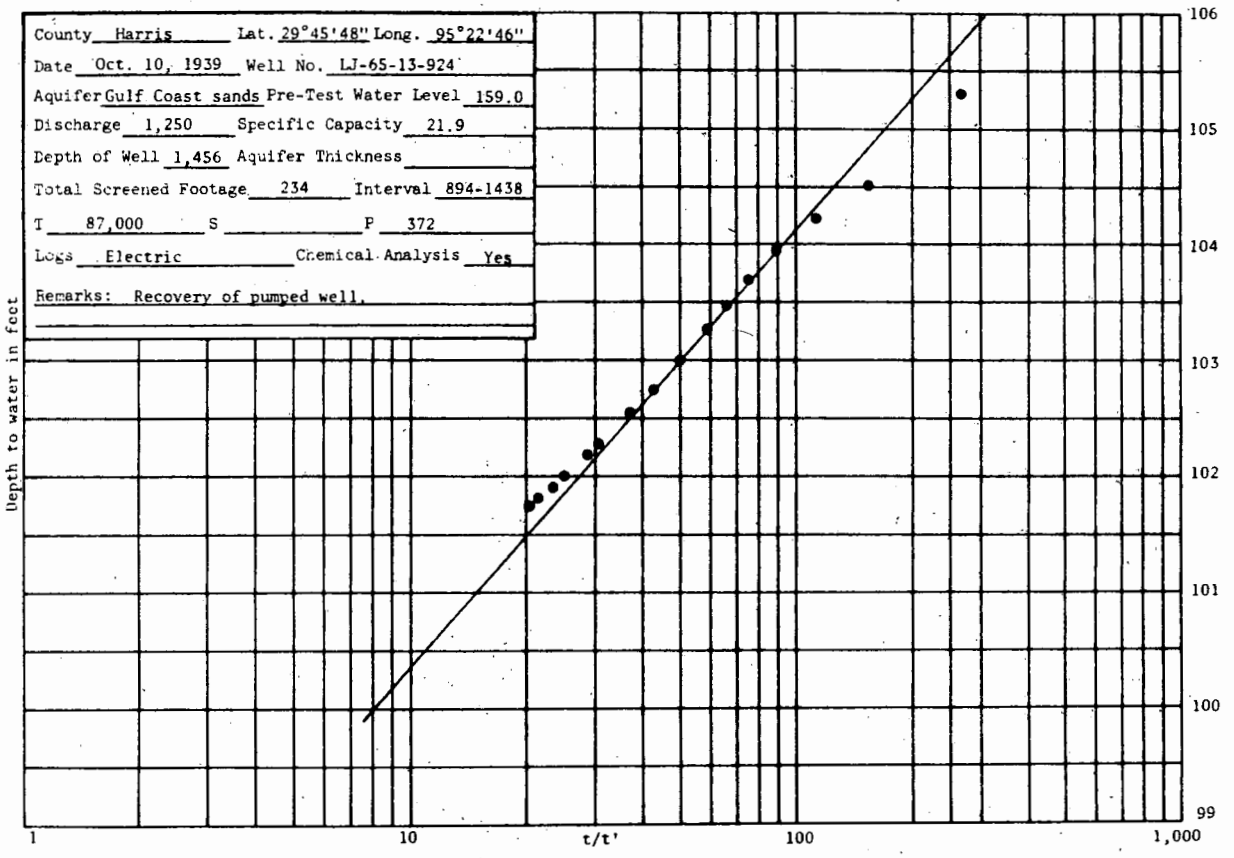
Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
234 ft of screen between 894 and
1438 ft. Reported yield 1800 gpm
Jan. 1942. Well F-5.

Aquifer - 121EVGL
Well No. - 65 13 924


County Harris Lat. 29°45'48" Long. 95°22'46"
Date Oct. 10, 1939 Well No. LJ-65-13-924
Aquifer Gulf Coast sands Pre-Test Water Level 159.0
Discharge 1,250 Specific Capacity 21.9
Depth of Well 1,456 Aquifer Thickness
Total Screened Footage 234 Interval 894-1438
T 87,000 S P 372
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
106
105
104
103
102
101
100
99
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-924

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513924
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763612
Latitude (degrees minutes seconds)	29° 45' 49" N
Longitude (decimal degrees)	-95.379722
Longitude (degrees minutes seconds)	095° 22' 47" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1456
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1927
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	3/8/2010
Last Update Date	3/8/2010

Remarks	234 ft of screen between 894 and 1438 ft. Reported yield 1800 gpm Jan. 1942. Well F-5. Measured yield 1250 GPM in 1939. Aquifer test data in TWDB R-98.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

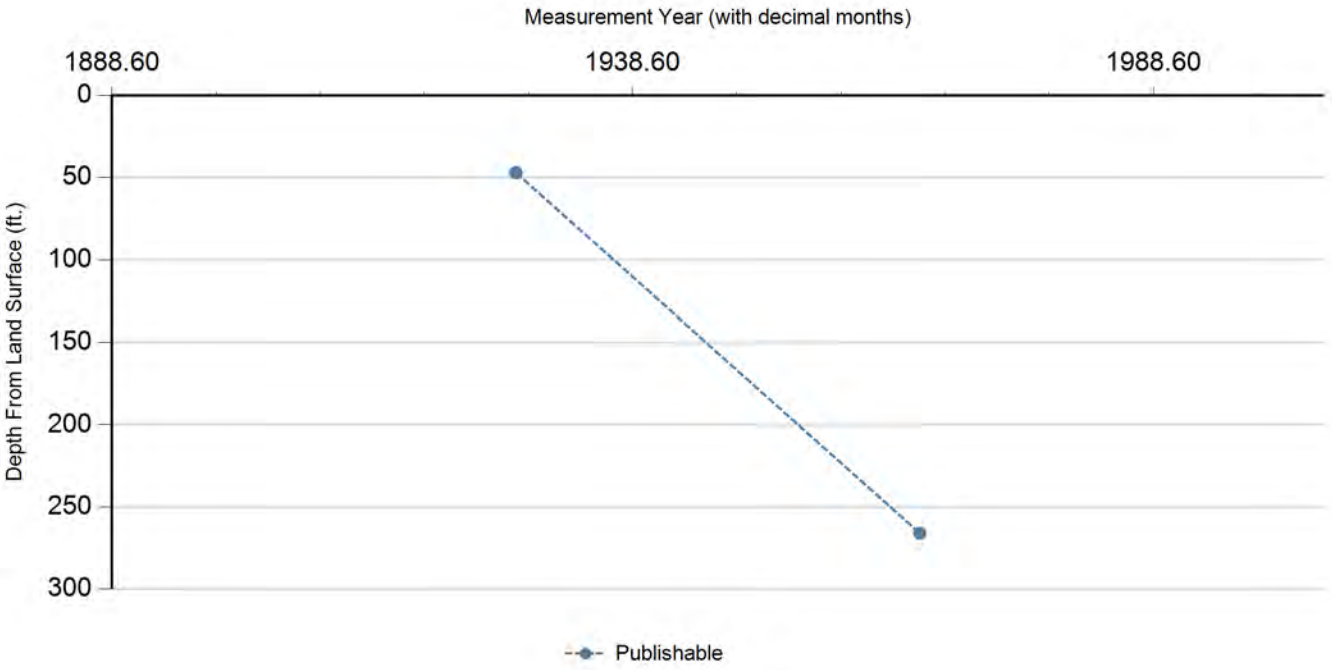
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/21/1927		47		-5	1	Registered Water Well Driller	Unknown		
P	3/3/1966		266	219.00	-224	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/18/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		248.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		303	mg/L	
00910	CALCIUM (MG/L)		17	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.95		
00955	SILICA, DISSOLVED (MG/L AS SI02)		4	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.4		
00932	SODIUM, CALCULATED, PERCENT		83	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		121	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		341	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-925

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513925
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763889
Latitude (degrees minutes seconds)	29° 45' 50" N
Longitude (decimal degrees)	-95.376667
Longitude (degrees minutes seconds)	095° 22' 36" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1540
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1927
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	3/8/2010
Last Update Date	3/8/2010

Remarks	274 ft of screen between 893 and 1499 ft. Reported yield 1810 gpm Jan.1942. Well destoryed. Well F-1. Measured yield 1370 GPM in 1939. Aquifer test data in TWDB R-98.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-925

groundwater division

Water Level Measurements

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/0/1927		27		15	1	Registered Water Well Driller	Unknown		
P	3/3/1953		230	203.00	-188	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/18/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00910	CALCIUM (MG/L)		16	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2000	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.69		
00955	SILICA, DISSOLVED (MG/L AS SI02)		3	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.57		
00932	SODIUM, CALCULATED, PERCENT		87	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		146	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		394	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 926 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 41 Longitude - 95 22 38 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Central

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1927 Depth - 1,320 ft. Source of Depth - Altitude - 30 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS
Date- 11/17/1938 Measurement- -89.40
Date- 02/24/1961 Measurement- -237.30

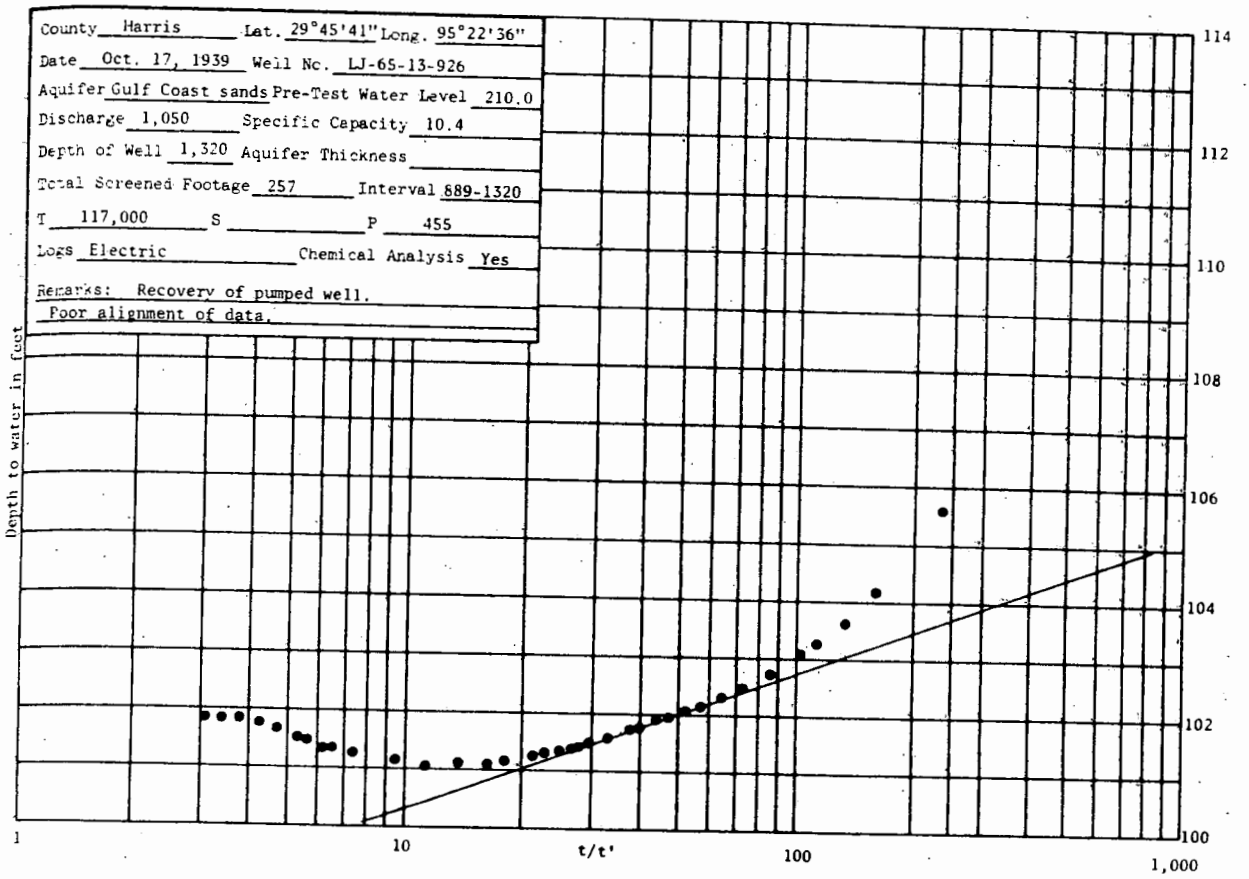
Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
154 ft of screen between 889 and
1320 ft. Reported yield 800 gpm
Jan. 1942. WEll F-10.

Aquifer - 121EVGL
Well No. - 65 13 926


County Harris Lat. 29°45'41" Long. 95°22'36"
Date Oct. 17, 1939 Well No. LJ-65-13-926
Aquifer Gulf Coast sands Pre-Test Water Level 210.0
Discharge 1,050 Specific Capacity 10.4
Depth of Well 1,320 Aquifer Thickness
Total Screened Footage 257 Interval 889-1320
T 117,000 S P 455
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Poor alignment of data.
Depth to water in feet
114
112
110
108
106
104
102
100
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-926

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513926
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.761667
Latitude (degrees minutes seconds)	29° 45' 42" N
Longitude (decimal degrees)	-95.3775
Longitude (degrees minutes seconds)	095° 22' 39" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	30
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1320
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1927
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	3/8/2010
Last Update Date	3/8/2010

Remarks	154 ft of screen between 889 and 1320 ft. Reported yield 800 gpm Jan. 1942. Well F-10. Aquifer test data in TWDB R-98.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

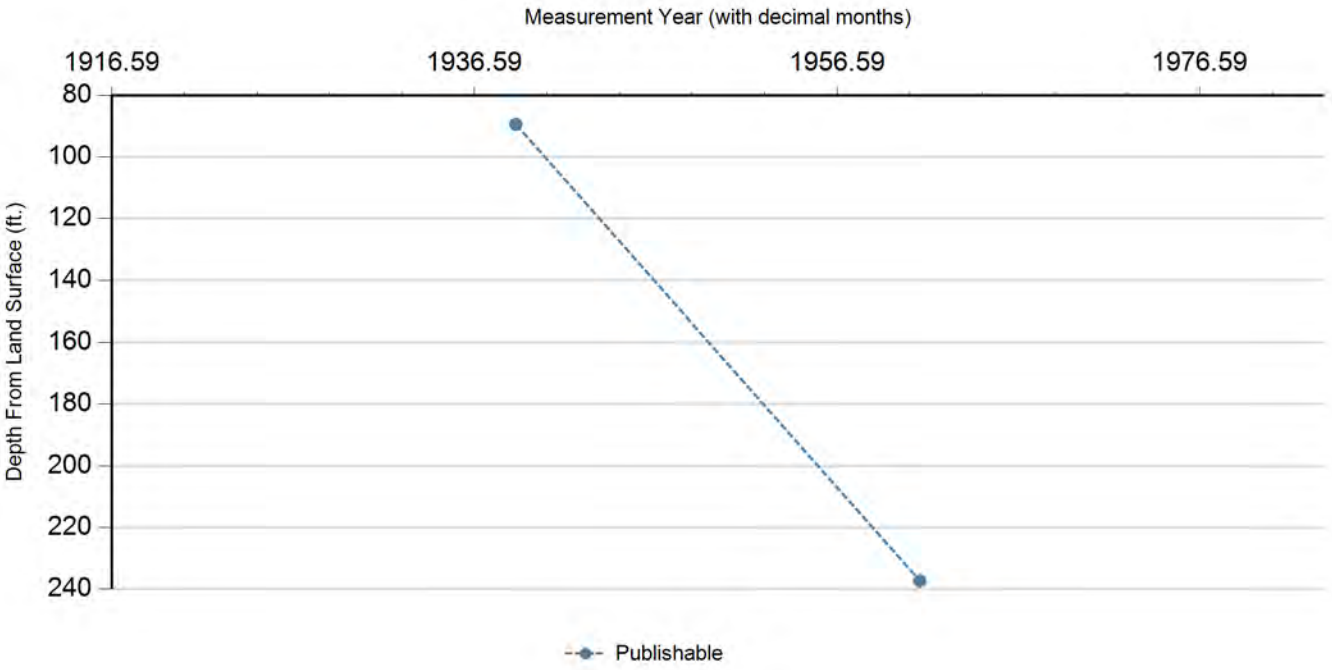
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/17/1938		89.4		-59.4	1	Texas Water Development Board	Steel Tape		
P	2/24/1961		237.3	147.90	-207.3	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-926

Water Quality Analysis

Sample Date: 1/18/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		233.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		285	mg/L	
00910	CALCIUM (MG/L)		19	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		1000	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.47		
00955	SILICA, DISSOLVED (MG/L AS SI02)		3	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.08		
00932	SODIUM, CALCULATED, PERCENT		79	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		108	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		317	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-927

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by G.McAdoo P.R.L - 1931 Source of data File Date 3-4-68 Map 1:24000 Houston Heights 1955

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 deg 45 min 36 sec N Longitude: 095 degrees 22 min 32 sec Sequential number: 1

Lat-long accuracy: 1 T. N S. R E W. Sec , , ,

Local well number: LJ-65-13-927 Other number: B & M 619 in 8896

Local use: Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Lincoln Pool

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mfd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Rem, (O) Obs, (Φ) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — U

DATA AVAILABLE: Well data 9 Freq. W/L meas.: Monthly 1931 — M Field aquifer char.

Byd. lab. data:

Qual. water data; type:

Freq. sampling: None Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 900 ft 1900 Meas rept accuracy 625' — 0

Depth cased; (first perf.) — ft Casing type: steel ; Diam. 6 in 6

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other — W

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: old Pump intake setting: ft

Driller: ? unknown (name), (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) hand, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — N Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat LP H.P. Trans. or meter no.

Descrip. MP ft above below LSD. Alt. MP

Alt. LSD: 45 Accuracy: (source) Topo 5' — 3

Water Level 53.50 ft above below MP; Ft above below LSD 54 Accuracy: 1 foot

Date meas: 1-30-71 Yield: — gpm Method determined

Drawdown: — ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-13-927

Well No. LJ-65-13-927

Latitude-longitude 29 45 36 N S 095 22 32
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain 0 3 (20–21) Section: _____

F (22) Drainage Basin: _____ 5 1 R (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ 27 F

MAJOR AQUIFER: _____ system, _____ series Q (28–29) _____ aquifer, formation, group C L (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: _____ ft (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: —

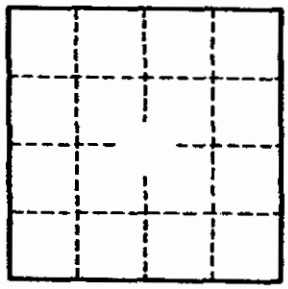
Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)



Well No. LJ-65-13-927

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-927

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513927
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.760278
Latitude (degrees minutes seconds)	29° 45' 37" N
Longitude (decimal degrees)	-95.375833
Longitude (degrees minutes seconds)	095° 22' 33" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	625
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	2/3/1999
Last Update Date	2/3/1999

Remarks	Formerly supplied Lincoln swimming pool. Well abandoned.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

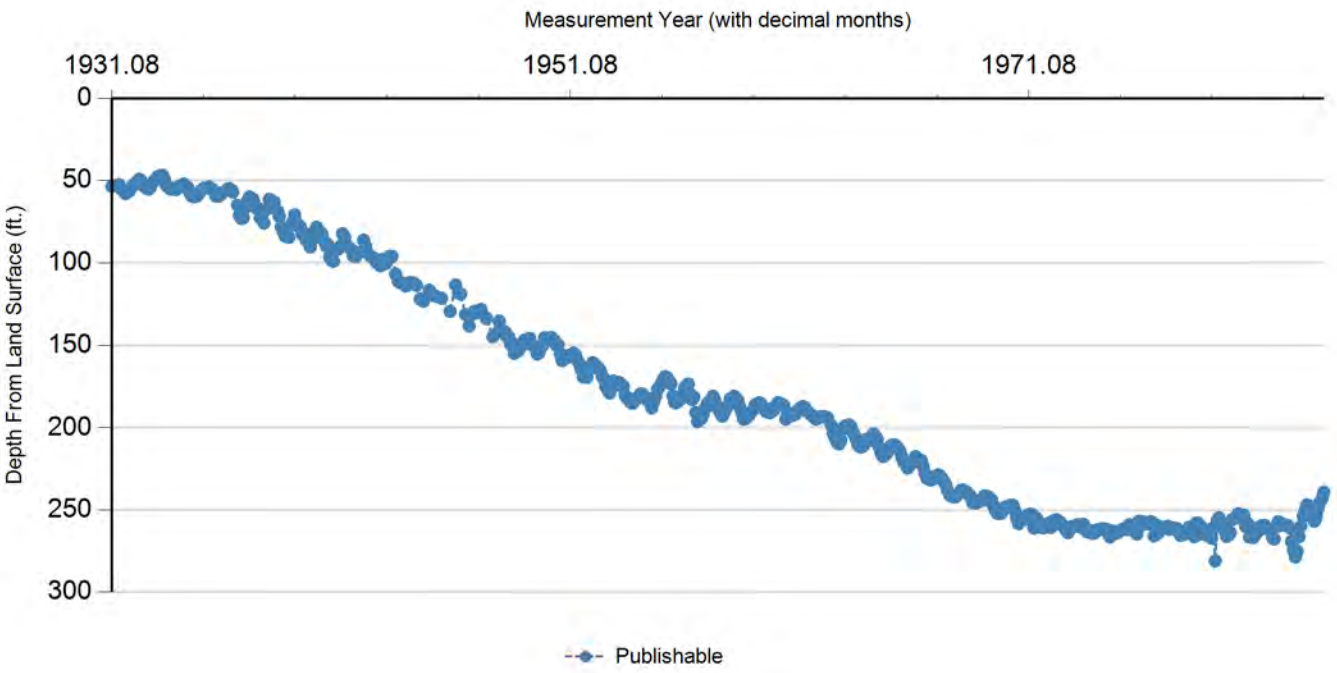
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/30/1931		53.5		-8.5	2	U.S. Geological Survey	Steel Tape		
P	5/21/1931		52.46	(1.04)	-7.46	1	U.S. Geological Survey	Steel Tape		
P	7/1/1931		55.27	2.81	-10.27	1	U.S. Geological Survey	Steel Tape		
P	9/10/1931		58	2.73	-13	1	U.S. Geological Survey	Steel Tape		
P	11/3/1931		56.46	(1.54)	-11.46	1	U.S. Geological Survey	Steel Tape		
P	12/5/1931		54.45	(2.01)	-9.45	1	U.S. Geological Survey	Steel Tape		
P	1/7/1932		52.76	(1.69)	-7.76	1	U.S. Geological Survey	Steel Tape		
P	2/6/1932		51.65	(1.11)	-6.65	1	U.S. Geological Survey	Steel Tape		
P	3/4/1932		50.92	(0.73)	-5.92	1	U.S. Geological Survey	Steel Tape		
P	4/8/1932		49.25	(1.67)	-4.25	1	U.S. Geological Survey	Steel Tape		
P	5/7/1932		50.1	0.85	-5.1	1	U.S. Geological Survey	Steel Tape		
P	6/7/1932		52.73	2.63	-7.73	1	U.S. Geological Survey	Steel Tape		
P	7/9/1932		53.86	1.13	-8.86	1	U.S. Geological Survey	Steel Tape		
P	8/8/1932		54.64	0.78	-9.64	1	U.S. Geological Survey	Steel Tape		
P	9/7/1932		55.23	0.59	-10.23	1	U.S. Geological Survey	Steel Tape		
P	10/8/1932		54.02	(1.21)	-9.02	1	U.S. Geological Survey	Steel Tape		
P	11/29/1932		50.65	(3.37)	-5.65	1	U.S. Geological Survey	Steel Tape		
P	12/31/1932		49.72	(0.93)	-4.72	1	U.S. Geological Survey	Steel Tape		
P	1/28/1933		47.78	(1.94)	-2.78	1	U.S. Geological Survey	Steel Tape		
P	3/10/1933		46.95	(0.83)	-1.95	1	U.S. Geological Survey	Steel Tape		
P	4/15/1933		46.86	(0.09)	-1.86	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/13/1933		48.92	2.06	-3.92	1	U.S. Geological Survey	Steel Tape		
P	6/23/1933		53.24	4.32	-8.24	1	U.S. Geological Survey	Steel Tape		
P	8/18/1933		55.12	1.88	-10.12	1	U.S. Geological Survey	Steel Tape		
P	9/19/1933		55.13	0.01	-10.13	1	U.S. Geological Survey	Steel Tape		
P	10/31/1933		54.72	(0.41)	-9.72	1	U.S. Geological Survey	Steel Tape		
P	11/22/1933		55.45	0.73	-10.45	1	U.S. Geological Survey	Steel Tape		
P	12/23/1933		54.7	(0.75)	-9.7	1	U.S. Geological Survey	Steel Tape		
P	1/23/1934		53.13	(1.57)	-8.13	1	U.S. Geological Survey	Steel Tape		
P	2/21/1934		52.83	(0.30)	-7.83	1	U.S. Geological Survey	Steel Tape		
P	3/21/1934		52.11	(0.72)	-7.11	1	U.S. Geological Survey	Steel Tape		
P	4/20/1934		53.67	1.56	-8.67	1	U.S. Geological Survey	Steel Tape		
P	5/22/1934		54.17	0.50	-9.17	1	U.S. Geological Survey	Steel Tape		
P	6/26/1934		57.57	3.40	-12.57	1	U.S. Geological Survey	Steel Tape		
P	7/24/1934		59.4	1.83	-14.4	1	U.S. Geological Survey	Steel Tape		
P	8/16/1934		59.81	0.41	-14.81	1	U.S. Geological Survey	Steel Tape		
P	9/22/1934		59.8	(0.01)	-14.8	1	U.S. Geological Survey	Steel Tape		
P	10/23/1934		59.29	(0.51)	-14.29	1	U.S. Geological Survey	Steel Tape		
P	11/21/1934		57.89	(1.40)	-12.89	1	U.S. Geological Survey	Steel Tape		
P	12/21/1934		56.13	(1.76)	-11.13	1	U.S. Geological Survey	Steel Tape		
P	1/31/1935		54.68	(1.45)	-9.68	1	U.S. Geological Survey	Steel Tape		
P	3/22/1935		54.56	(0.12)	-9.56	1	U.S. Geological Survey	Steel Tape		
P	4/24/1935		53.84	(0.72)	-8.84	1	U.S. Geological Survey	Steel Tape		
P	5/21/1935		54.77	0.93	-9.77	1	U.S. Geological Survey	Steel Tape		
P	6/19/1935		55.33	0.56	-10.33	1	U.S. Geological Survey	Steel Tape		
P	7/26/1935		56.64	1.31	-11.64	1	U.S. Geological Survey	Steel Tape		
P	8/17/1935		59.44	2.80	-14.44	1	U.S. Geological Survey	Steel Tape		
P	9/21/1935		59.63	0.19	-14.63	1	U.S. Geological Survey	Steel Tape		
P	10/26/1935		58.82	(0.81)	-13.82	1	U.S. Geological Survey	Steel Tape		
P	11/23/1935		57.4	(1.42)	-12.4	1	U.S. Geological Survey	Steel Tape		
P	2/20/1936		55.15	(2.25)	-10.15	1	U.S. Geological Survey	Steel Tape		
P	3/16/1936		54.9	(0.25)	-9.9	1	U.S. Geological Survey	Steel Tape		
P	4/25/1936		56.03	1.13	-11.03	1	U.S. Geological Survey	Steel Tape		
P	5/9/1936		56.94	0.91	-11.94	1	U.S. Geological Survey	Steel Tape		
P	7/24/1936		65.05	8.11	-20.05	1	U.S. Geological Survey	Steel Tape		
P	8/26/1936		71.25	6.20	-26.25	1	U.S. Geological Survey	Steel Tape		
P	9/26/1936		73.1	1.85	-28.1	1	U.S. Geological Survey	Steel Tape		
P	10/27/1936		72.72	(0.38)	-27.72	1	U.S. Geological Survey	Steel Tape		
P	11/23/1936		66.98	(5.74)	-21.98	1	U.S. Geological Survey	Steel Tape		
P	12/22/1936		62.87	(4.11)	-17.87	1	U.S. Geological Survey	Steel Tape		
P	2/1/1937		59.97	(2.90)	-14.97	1	U.S. Geological Survey	Steel Tape		
P	3/26/1937		61.38	1.41	-16.38	1	U.S. Geological Survey	Steel Tape		
P	4/13/1937		63.75	2.37	-18.75	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/19/1937		66.8	3.05	-21.8	1	U.S. Geological Survey	Steel Tape		
P	6/21/1937		66.98	0.18	-21.98	1	U.S. Geological Survey	Steel Tape		
P	7/22/1937		72.89	5.91	-27.89	1	U.S. Geological Survey	Steel Tape		
P	8/20/1937		71.33	(1.56)	-26.33	1	U.S. Geological Survey	Steel Tape		
P	9/23/1937		75.89	4.56	-30.89	1	U.S. Geological Survey	Steel Tape		
P	10/26/1937		67.69	(8.20)	-22.69	1	U.S. Geological Survey	Steel Tape		
P	11/19/1937		67.1	(0.59)	-22.1	1	U.S. Geological Survey	Steel Tape		
P	12/17/1937		61.47	(5.63)	-16.47	1	U.S. Geological Survey	Steel Tape		
P	1/20/1938		63.54	2.07	-18.54	1	U.S. Geological Survey	Steel Tape		
P	3/1/1938		63.15	(0.39)	-18.15	1	U.S. Geological Survey	Steel Tape		
P	4/28/1938		68.75	5.60	-23.75	1	U.S. Geological Survey	Steel Tape		
P	5/21/1938		71.86	3.11	-26.86	1	U.S. Geological Survey	Steel Tape		
P	6/23/1938		78.24	6.38	-33.24	1	U.S. Geological Survey	Steel Tape		
P	7/20/1938		80.82	2.58	-35.82	1	U.S. Geological Survey	Steel Tape		
P	8/25/1938		83.6	2.78	-38.6	1	U.S. Geological Survey	Steel Tape		
P	9/23/1938		83.98	0.38	-38.98	1	U.S. Geological Survey	Steel Tape		
P	10/21/1938		84.62	0.64	-39.62	1	U.S. Geological Survey	Steel Tape		
P	11/21/1938		77.43	(7.19)	-32.43	1	U.S. Geological Survey	Steel Tape		
P	12/20/1938		75.44	(1.99)	-30.44	1	U.S. Geological Survey	Steel Tape		
P	1/20/1939		70.86	(4.58)	-25.86	1	U.S. Geological Survey	Steel Tape		
P	2/20/1939		75.52	4.66	-30.52	1	U.S. Geological Survey	Steel Tape		
P	3/18/1939		77.77	2.25	-32.77	1	U.S. Geological Survey	Steel Tape		
P	4/20/1939		78.04	0.27	-33.04	1	U.S. Geological Survey	Steel Tape		
P	5/18/1939		82.67	4.63	-37.67	1	U.S. Geological Survey	Steel Tape		
P	6/14/1939		82.86	0.19	-37.86	1	U.S. Geological Survey	Steel Tape		
P	7/25/1939		86.25	3.39	-41.25	1	U.S. Geological Survey	Steel Tape		
P	8/30/1939		82.72	(3.53)	-37.72	1	U.S. Geological Survey	Steel Tape		
P	9/6/1939		87.05	4.33	-42.05	1	U.S. Geological Survey	Steel Tape		
P	9/30/1939		90.45	3.40	-45.45	1	U.S. Geological Survey	Steel Tape		
P	10/27/1939		86.19	(4.26)	-41.19	1	U.S. Geological Survey	Steel Tape		
P	11/27/1939		84.64	(1.55)	-39.64	1	U.S. Geological Survey	Steel Tape		
P	12/22/1939		83.47	(1.17)	-38.47	1	U.S. Geological Survey	Steel Tape		
P	1/2/1940		78.37	(5.10)	-33.37	1	U.S. Geological Survey	Steel Tape		
P	2/26/1940		81.45	3.08	-36.45	1	U.S. Geological Survey	Steel Tape		
P	3/5/1940		81.39	(0.06)	-36.39	1	U.S. Geological Survey	Steel Tape		
P	4/1/1940		82.73	1.34	-37.73	1	U.S. Geological Survey	Steel Tape		
P	5/6/1940		87.06	4.33	-42.06	1	U.S. Geological Survey	Steel Tape		
P	6/10/1940		89.93	2.87	-44.93	1	U.S. Geological Survey	Steel Tape		
P	7/1/1940		88.8	(1.13)	-43.8	1	U.S. Geological Survey	Steel Tape		
P	8/3/1940		96.6	7.80	-51.6	1	U.S. Geological Survey	Steel Tape		
P	9/7/1940		98.59	1.99	-53.59	1	U.S. Geological Survey	Steel Tape		
P	10/5/1940		99.02	0.43	-54.02	1	U.S. Geological Survey	Steel Tape		

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P	11/19/1940		91.89	(7.13)	-46.89	1	U.S. Geological Survey	Steel Tape		
P	12/18/1940		91.74	(0.15)	-46.74	1	U.S. Geological Survey	Steel Tape		
P	1/25/1941		89.74	(2.00)	-44.74	1	U.S. Geological Survey	Steel Tape		
P	2/22/1941		82.32	(7.42)	-37.32	1	U.S. Geological Survey	Steel Tape		
P	3/29/1941		84.39	2.07	-39.39	1	U.S. Geological Survey	Steel Tape		
P	5/20/1941		90.07	5.68	-45.07	1	U.S. Geological Survey	Steel Tape		
P	7/17/1941		92.13	2.06	-47.13	1	U.S. Geological Survey	Steel Tape		
P	8/14/1941		95.8	3.67	-50.8	1	U.S. Geological Survey	Steel Tape		
P	9/27/1941		96.2	0.40	-51.2	1	U.S. Geological Survey	Steel Tape		
P	11/19/1941		93.77	(2.43)	-48.77	1	U.S. Geological Survey	Steel Tape		
P	1/24/1942		86.27	(7.50)	-41.27	1	U.S. Geological Survey	Steel Tape		
P	2/27/1942		89.8	3.53	-44.8	1	U.S. Geological Survey	Steel Tape		
P	4/10/1942		94.55	4.75	-49.55	1	U.S. Geological Survey	Steel Tape		
P	5/20/1942		96.14	1.59	-51.14	1	U.S. Geological Survey	Steel Tape		
P	7/17/1942		97.39	1.25	-52.39	1	U.S. Geological Survey	Steel Tape		
P	8/21/1942		100.05	2.66	-55.05	1	U.S. Geological Survey	Steel Tape		
P	9/14/1942		99.17	(0.88)	-54.17	1	U.S. Geological Survey	Steel Tape		
P	10/22/1942		101.85	2.68	-56.85	1	U.S. Geological Survey	Steel Tape		
P	11/25/1942		98	(3.85)	-53	1	U.S. Geological Survey	Steel Tape		
P	1/16/1943		100.36	2.36	-55.36	1	U.S. Geological Survey	Steel Tape		
P	3/10/1943		96.1	(4.26)	-51.1	1	U.S. Geological Survey	Steel Tape		
P	4/21/1943		96.05	(0.05)	-51.05	1	U.S. Geological Survey	Steel Tape		
P	6/17/1943		106.79	10.74	-61.79	1	U.S. Geological Survey	Steel Tape		
P	7/30/1943		111.18	4.39	-66.18	1	U.S. Geological Survey	Steel Tape		
P	8/23/1943		111.98	0.80	-66.98	1	U.S. Geological Survey	Steel Tape		
P	9/27/1943		112.31	0.33	-67.31	1	U.S. Geological Survey	Steel Tape		
P	12/4/1943		114.2	1.89	-69.2	1	U.S. Geological Survey	Steel Tape		
P	1/22/1944		112.06	(2.14)	-67.06	1	U.S. Geological Survey	Steel Tape		
P	3/24/1944		112.24	0.18	-67.24	1	U.S. Geological Survey	Steel Tape		
P	5/16/1944		113.83	1.59	-68.83	1	U.S. Geological Survey	Steel Tape		
P	7/17/1944		122.07	8.24	-77.07	1	U.S. Geological Survey	Steel Tape		
P	9/8/1944		123.42	1.35	-78.42	1	U.S. Geological Survey	Steel Tape		
P	12/9/1944		116.6	(6.82)	-71.6	1	U.S. Geological Survey	Steel Tape		
P	1/18/1945		119.43	2.83	-74.43	1	U.S. Geological Survey	Steel Tape		
P	3/20/1945		120.42	0.99	-75.42	1	U.S. Geological Survey	Steel Tape		
P	6/20/1945		121.63	1.21	-76.63	1	U.S. Geological Survey	Steel Tape		
P	11/7/1945		129.6	7.97	-84.6	1	U.S. Geological Survey	Steel Tape		
P	1/29/1946		113.54	(16.06)	-68.54	1	U.S. Geological Survey	Steel Tape		
P	3/15/1946		118.41	4.87	-73.41	1	U.S. Geological Survey	Steel Tape		
P	4/19/1946		119.06	0.65	-74.06	1	U.S. Geological Survey	Steel Tape		
P	7/7/1946		131.48	12.42	-86.48	1	U.S. Geological Survey	Steel Tape		
P	9/6/1946		138.03	6.55	-93.03	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/14/1946		130.92	(7.11)	-85.92	1	U.S. Geological Survey	Steel Tape		
P	12/2/1946		129.57	(1.35)	-84.57	1	U.S. Geological Survey	Steel Tape		
P	1/31/1947		130.2	0.63	-85.2	1	U.S. Geological Survey	Steel Tape		
P	3/8/1947		128.42	(1.78)	-83.42	1	U.S. Geological Survey	Steel Tape		
P	6/3/1947		133.58	5.16	-88.58	1	U.S. Geological Survey	Steel Tape		
P	9/18/1947		144.62	11.04	-99.62	1	U.S. Geological Survey	Steel Tape		
P	11/28/1947		142.03	(2.59)	-97.03	1	U.S. Geological Survey	Steel Tape		
P	12/29/1947		135.53	(6.50)	-90.53	1	U.S. Geological Survey	Steel Tape		
P	1/30/1948		141.66	6.13	-96.66	1	U.S. Geological Survey	Steel Tape		
P	2/27/1948		141.08	(0.58)	-96.08	1	U.S. Geological Survey	Steel Tape		
P	3/31/1948		142.02	0.94	-97.02	1	U.S. Geological Survey	Steel Tape		
P	4/29/1948		144.77	2.75	-99.77	1	U.S. Geological Survey	Steel Tape		
P	5/28/1948		144.72	(0.05)	-99.72	1	U.S. Geological Survey	Steel Tape		
P	6/26/1948		149.31	4.59	-104.31	1	U.S. Geological Survey	Steel Tape		
P	7/26/1948		148.88	(0.43)	-103.88	1	U.S. Geological Survey	Steel Tape		
P	8/24/1948		154.76	5.88	-109.76	1	U.S. Geological Survey	Steel Tape		
P	9/24/1948		152	(2.76)	-107	1	U.S. Geological Survey	Steel Tape		
P	10/25/1948		153.45	1.45	-108.45	1	U.S. Geological Survey	Steel Tape		
P	11/23/1948		151.65	(1.80)	-106.65	1	U.S. Geological Survey	Steel Tape		
P	12/21/1948		148.83	(2.82)	-103.83	1	U.S. Geological Survey	Steel Tape		
P	1/26/1949		146.79	(2.04)	-101.79	1	U.S. Geological Survey	Steel Tape		
P	2/25/1949		146.59	(0.20)	-101.59	1	U.S. Geological Survey	Steel Tape		
P	3/25/1949		146.98	0.39	-101.98	1	U.S. Geological Survey	Steel Tape		
P	4/25/1949		145.54	(1.44)	-100.54	1	U.S. Geological Survey	Steel Tape		
P	5/24/1949		149.7	4.16	-104.7	1	U.S. Geological Survey	Steel Tape		
P	6/27/1949		150.41	0.71	-105.41	1	U.S. Geological Survey	Steel Tape		
P	7/25/1949		151.58	1.17	-106.58	1	U.S. Geological Survey	Steel Tape		
P	8/25/1949		155.14	3.56	-110.14	1	U.S. Geological Survey	Steel Tape		
P	9/26/1949		154.09	(1.05)	-109.09	1	U.S. Geological Survey	Steel Tape		
P	10/24/1949		150.12	(3.97)	-105.12	1	U.S. Geological Survey	Steel Tape		
P	11/25/1949		149.74	(0.38)	-104.74	1	U.S. Geological Survey	Steel Tape		
P	12/21/1949		145.3	(4.44)	-100.3	1	U.S. Geological Survey	Steel Tape		
P	1/24/1950		145.59	0.29	-100.59	1	U.S. Geological Survey	Steel Tape		
P	2/24/1950		145.86	0.27	-100.86	1	U.S. Geological Survey	Steel Tape		
P	3/27/1950		145.08	(0.78)	-100.08	1	U.S. Geological Survey	Steel Tape		
P	4/26/1950		146.4	1.32	-101.4	1	U.S. Geological Survey	Steel Tape		
P	5/25/1950		147.18	0.78	-102.18	1	U.S. Geological Survey	Steel Tape		
P	6/26/1950		149.76	2.58	-104.76	1	U.S. Geological Survey	Steel Tape		
P	7/21/1950		149.48	(0.28)	-104.48	1	U.S. Geological Survey	Steel Tape		
P	8/25/1950		155.03	5.55	-110.03	1	U.S. Geological Survey	Steel Tape		
P	9/25/1950		159.14	4.11	-114.14	1	U.S. Geological Survey	Steel Tape		
P	10/23/1950		156.74	(2.40)	-111.74	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/24/1950		156.35	(0.39)	-111.35	1	U.S. Geological Survey	Steel Tape		
P	12/21/1950		157.23	0.88	-112.23	1	U.S. Geological Survey	Steel Tape		
P	1/23/1951		155.89	(1.34)	-110.89	1	U.S. Geological Survey	Steel Tape		
P	2/23/1951		155.42	(0.47)	-110.42	1	U.S. Geological Survey	Steel Tape		
P	3/23/1951		154.54	(0.88)	-109.54	1	U.S. Geological Survey	Steel Tape		
P	4/24/1951		155.89	1.35	-110.89	1	U.S. Geological Survey	Steel Tape		
P	5/24/1951		159.1	3.21	-114.1	1	U.S. Geological Survey	Steel Tape		
P	6/22/1951		160.82	1.72	-115.82	1	U.S. Geological Survey	Steel Tape		
P	7/23/1951		164.35	3.53	-119.35	1	U.S. Geological Survey	Steel Tape		
P	8/27/1951		169.17	4.82	-124.17	1	U.S. Geological Survey	Steel Tape		
P	9/24/1951		167.85	(1.32)	-122.85	1	U.S. Geological Survey	Steel Tape		
P	10/24/1951		169.38	1.53	-124.38	1	U.S. Geological Survey	Steel Tape		
P	11/26/1951		164.75	(4.63)	-119.75	1	U.S. Geological Survey	Steel Tape		
P	12/20/1951		162.88	(1.87)	-117.88	1	U.S. Geological Survey	Steel Tape		
P	1/24/1952		160.37	(2.51)	-115.37	1	U.S. Geological Survey	Steel Tape		
P	2/25/1952		161.42	1.05	-116.42	1	U.S. Geological Survey	Steel Tape		
P	3/21/1952		162.39	0.97	-117.39	1	U.S. Geological Survey	Steel Tape		
P	4/24/1952		163.54	1.15	-118.54	1	U.S. Geological Survey	Steel Tape		
P	5/23/1952		165.24	1.70	-120.24	1	U.S. Geological Survey	Steel Tape		
P	6/24/1952		168.71	3.47	-123.71	1	U.S. Geological Survey	Steel Tape		
P	7/24/1952		170.35	1.64	-125.35	1	U.S. Geological Survey	Steel Tape		
P	8/21/1952		175	4.65	-130	1	U.S. Geological Survey	Steel Tape		
P	9/24/1952		176.87	1.87	-131.87	1	U.S. Geological Survey	Steel Tape		
P	10/24/1952		178.89	2.02	-133.89	1	U.S. Geological Survey	Steel Tape		
P	11/24/1952		173.4	(5.49)	-128.4	1	U.S. Geological Survey	Steel Tape		
P	12/19/1952		171.53	(1.87)	-126.53	1	U.S. Geological Survey	Steel Tape		
P	1/26/1953		173.04	1.51	-128.04	1	U.S. Geological Survey	Steel Tape		
P	2/25/1953		174.15	1.11	-129.15	1	U.S. Geological Survey	Steel Tape		
P	3/24/1953		172.5	(1.65)	-127.5	1	U.S. Geological Survey	Steel Tape		
P	4/27/1953		174.08	1.58	-129.08	1	U.S. Geological Survey	Steel Tape		
P	5/25/1953		174.78	0.70	-129.78	1	U.S. Geological Survey	Steel Tape		
P	6/24/1953		180.26	5.48	-135.26	1	U.S. Geological Survey	Steel Tape		
P	7/23/1953		181.89	1.63	-136.89	1	U.S. Geological Survey	Steel Tape		
P	8/25/1953		182.83	0.94	-137.83	1	U.S. Geological Survey	Steel Tape		
P	9/24/1953		184.68	1.85	-139.68	1	U.S. Geological Survey	Steel Tape		
P	10/26/1953		185.13	0.45	-140.13	1	U.S. Geological Survey	Steel Tape		
P	11/25/1953		182.42	(2.71)	-137.42	1	U.S. Geological Survey	Steel Tape		
P	12/18/1953		182.94	0.52	-137.94	1	U.S. Geological Survey	Steel Tape		
P	1/22/1954		181.46	(1.48)	-136.46	1	U.S. Geological Survey	Steel Tape		
P	2/24/1954		179.42	(2.04)	-134.42	1	U.S. Geological Survey	Steel Tape		
P	3/24/1954		179.52	0.10	-134.52	1	U.S. Geological Survey	Steel Tape		
P	4/26/1954		180.79	1.27	-135.79	1	U.S. Geological Survey	Steel Tape		

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P	5/21/1954		181.8	1.01	-136.8	1	U.S. Geological Survey	Steel Tape		
P	6/24/1954		183.67	1.87	-138.67	1	U.S. Geological Survey	Steel Tape		
P	7/26/1954		184.44	0.77	-139.44	1	U.S. Geological Survey	Steel Tape		
P	8/24/1954		187.93	3.49	-142.93	1	U.S. Geological Survey	Steel Tape		
P	9/24/1954		184.29	(3.64)	-139.29	1	U.S. Geological Survey	Steel Tape		
P	10/25/1954		180.78	(3.51)	-135.78	1	U.S. Geological Survey	Steel Tape		
P	11/24/1954		176.66	(4.12)	-131.66	1	U.S. Geological Survey	Steel Tape		
P	12/20/1954		175.27	(1.39)	-130.27	1	U.S. Geological Survey	Steel Tape		
P	1/25/1955		172.96	(2.31)	-127.96	1	U.S. Geological Survey	Steel Tape		
P	2/24/1955		170.5	(2.46)	-125.5	1	U.S. Geological Survey	Steel Tape		
P	3/25/1955		168.85	(1.65)	-123.85	1	U.S. Geological Survey	Steel Tape		
P	4/25/1955		169.6	0.75	-124.6	1	U.S. Geological Survey	Steel Tape		
P	5/24/1955		171.36	1.76	-126.36	1	U.S. Geological Survey	Steel Tape		
P	6/24/1955		173.26	1.90	-128.26	1	U.S. Geological Survey	Steel Tape		
P	7/25/1955		180.5	7.24	-135.5	1	U.S. Geological Survey	Steel Tape		
P	8/25/1955		184.51	4.01	-139.51	1	U.S. Geological Survey	Steel Tape		
P	9/23/1955		184.83	0.32	-139.83	1	U.S. Geological Survey	Steel Tape		
P	10/24/1955		182.52	(2.31)	-137.52	1	U.S. Geological Survey	Steel Tape		
P	11/23/1955		182.85	0.33	-137.85	1	U.S. Geological Survey	Steel Tape		
P	12/20/1955		181	(1.85)	-136	1	U.S. Geological Survey	Steel Tape		
P	1/24/1956		175.98	(5.02)	-130.98	1	U.S. Geological Survey	Steel Tape		
P	2/24/1956		174.53	(1.45)	-129.53	1	U.S. Geological Survey	Steel Tape		
P	3/26/1956		173.35	(1.18)	-128.35	1	U.S. Geological Survey	Steel Tape		
P	4/25/1956		179.56	6.21	-134.56	1	U.S. Geological Survey	Steel Tape		
P	5/25/1956		182.86	3.30	-137.86	1	U.S. Geological Survey	Steel Tape		
P	6/22/1956		181.26	(1.60)	-136.26	1	U.S. Geological Survey	Steel Tape		
P	7/24/1956		190.75	9.49	-145.75	1	U.S. Geological Survey	Steel Tape		
P	8/24/1956		196.27	5.52	-151.27	1	U.S. Geological Survey	Steel Tape		
P	9/24/1956		194.45	(1.82)	-149.45	1	U.S. Geological Survey	Steel Tape		
P	10/24/1956		194.41	(0.04)	-149.41	1	U.S. Geological Survey	Steel Tape		
P	11/23/1956		191.74	(2.67)	-146.74	1	U.S. Geological Survey	Steel Tape		
P	12/20/1956		188.24	(3.50)	-143.24	1	U.S. Geological Survey	Steel Tape		
P	1/24/1957		185.39	(2.85)	-140.39	1	U.S. Geological Survey	Steel Tape		
P	2/25/1957		183.98	(1.41)	-138.98	1	U.S. Geological Survey	Steel Tape		
P	3/22/1957		183.25	(0.73)	-138.25	1	U.S. Geological Survey	Steel Tape		
P	4/24/1957		180.87	(2.38)	-135.87	1	U.S. Geological Survey	Steel Tape		
P	5/23/1957		183.36	2.49	-138.36	1	U.S. Geological Survey	Steel Tape		
P	6/21/1957		187.61	4.25	-142.61	1	U.S. Geological Survey	Steel Tape		
P	7/24/1957		189.02	1.41	-144.02	1	U.S. Geological Survey	Steel Tape		
P	8/23/1957		191.19	2.17	-146.19	1	U.S. Geological Survey	Steel Tape		
P	9/25/1957		192.99	1.80	-147.99	1	U.S. Geological Survey	Steel Tape		
P	10/24/1957		190.36	(2.63)	-145.36	1	U.S. Geological Survey	Steel Tape		

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P	11/25/1957		187.97	(2.39)	-142.97	1	U.S. Geological Survey	Steel Tape		
P	12/20/1957		186.48	(1.49)	-141.48	1	U.S. Geological Survey	Steel Tape		
P	1/24/1958		182.34	(4.14)	-137.34	1	U.S. Geological Survey	Steel Tape		
P	2/25/1958		183.02	0.68	-138.02	1	U.S. Geological Survey	Steel Tape		
P	3/24/1958		180.78	(2.24)	-135.78	1	U.S. Geological Survey	Steel Tape		
P	4/24/1958		181.92	1.14	-136.92	1	U.S. Geological Survey	Steel Tape		
P	5/23/1958		183.32	1.40	-138.32	1	U.S. Geological Survey	Steel Tape		
P	6/20/1958		186.96	3.64	-141.96	1	U.S. Geological Survey	Steel Tape		
P	7/24/1958		190.61	3.65	-145.61	1	U.S. Geological Survey	Steel Tape		
P	8/25/1958		194.74	4.13	-149.74	1	U.S. Geological Survey	Steel Tape		
P	9/24/1958		194.53	(0.21)	-149.53	1	U.S. Geological Survey	Steel Tape		
P	10/24/1958		193.58	(0.95)	-148.58	1	U.S. Geological Survey	Steel Tape		
P	11/26/1958		192.24	(1.34)	-147.24	1	U.S. Geological Survey	Steel Tape		
P	12/22/1958		190.52	(1.72)	-145.52	1	U.S. Geological Survey	Steel Tape		
P	1/26/1959		189.17	(1.35)	-144.17	1	U.S. Geological Survey	Steel Tape		
P	2/25/1959		186.21	(2.96)	-141.21	1	U.S. Geological Survey	Steel Tape		
P	3/24/1959		185.46	(0.75)	-140.46	1	U.S. Geological Survey	Steel Tape		
P	4/27/1959		184.81	(0.65)	-139.81	1	U.S. Geological Survey	Steel Tape		
P	5/25/1959		185.28	0.47	-140.28	1	U.S. Geological Survey	Steel Tape		
P	6/26/1959		187.59	2.31	-142.59	1	U.S. Geological Survey	Steel Tape		
P	7/24/1959		188.2	0.61	-143.2	1	U.S. Geological Survey	Steel Tape		
P	8/25/1959		190.37	2.17	-145.37	1	U.S. Geological Survey	Steel Tape		
P	9/24/1959		188.68	(1.69)	-143.68	1	U.S. Geological Survey	Steel Tape		
P	10/26/1959		190.83	2.15	-145.83	1	U.S. Geological Survey	Steel Tape		
P	11/24/1959		189.23	(1.60)	-144.23	1	U.S. Geological Survey	Steel Tape		
P	12/22/1959		189.27	0.04	-144.27	1	U.S. Geological Survey	Steel Tape		
P	1/25/1960		186.28	(2.99)	-141.28	1	U.S. Geological Survey	Steel Tape		
P	2/25/1960		184.7	(1.58)	-139.7	1	U.S. Geological Survey	Steel Tape		
P	3/24/1960		185.02	0.32	-140.02	1	U.S. Geological Survey	Steel Tape		
P	4/25/1960		185.75	0.73	-140.75	1	U.S. Geological Survey	Steel Tape		
P	5/24/1960		186.38	0.63	-141.38	1	U.S. Geological Survey	Steel Tape		
P	6/28/1960		194.83	8.45	-149.83	1	U.S. Geological Survey	Steel Tape		
P	7/25/1960		190.22	(4.61)	-145.22	1	U.S. Geological Survey	Steel Tape		
P	8/24/1960		191.41	1.19	-146.41	1	U.S. Geological Survey	Steel Tape		
P	9/26/1960		192.75	1.34	-147.75	1	U.S. Geological Survey	Steel Tape		
P	10/24/1960		191.84	(0.91)	-146.84	1	U.S. Geological Survey	Steel Tape		
P	11/25/1960		191.85	0.01	-146.85	1	U.S. Geological Survey	Steel Tape		
P	12/22/1960		190.69	(1.16)	-145.69	1	U.S. Geological Survey	Steel Tape		
P	1/24/1961		188.7	(1.99)	-143.7	1	U.S. Geological Survey	Steel Tape		
P	2/24/1961		187.64	(1.06)	-142.64	1	U.S. Geological Survey	Steel Tape		
P	3/24/1961		187.06	(0.58)	-142.06	1	U.S. Geological Survey	Steel Tape		
P	4/24/1961		187.61	0.55	-142.61	1	U.S. Geological Survey	Steel Tape		

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P	5/24/1961		189.72	2.11	-144.72	1	U.S. Geological Survey	Steel Tape		
P	6/23/1961		190.61	0.89	-145.61	1	U.S. Geological Survey	Steel Tape		
P	7/24/1961		191.7	1.09	-146.7	1	U.S. Geological Survey	Steel Tape		
P	8/24/1961		192.57	0.87	-147.57	1	U.S. Geological Survey	Steel Tape		
P	9/25/1961		193.9	1.33	-148.9	1	U.S. Geological Survey	Steel Tape		
P	10/24/1961		194.79	0.89	-149.79	1	U.S. Geological Survey	Steel Tape		
P	11/24/1961		194.19	(0.60)	-149.19	1	U.S. Geological Survey	Steel Tape		
P	12/22/1961		193.36	(0.83)	-148.36	1	U.S. Geological Survey	Steel Tape		
P	1/24/1962		193.29	(0.07)	-148.29	1	U.S. Geological Survey	Steel Tape		
P	2/23/1962		193.17	(0.12)	-148.17	1	U.S. Geological Survey	Steel Tape		
P	3/23/1962		193.41	0.24	-148.41	1	U.S. Geological Survey	Steel Tape		
P	4/24/1962		193.94	0.53	-148.94	1	U.S. Geological Survey	Steel Tape		
P	6/22/1962		198.52	4.58	-153.52	1	U.S. Geological Survey	Steel Tape		
P	7/24/1962		203.63	5.11	-158.63	1	U.S. Geological Survey	Steel Tape		
P	8/24/1962		206.33	2.70	-161.33	1	U.S. Geological Survey	Steel Tape		
P	9/24/1962		208.7	2.37	-163.7	1	U.S. Geological Survey	Steel Tape		
P	10/24/1962		209.94	1.24	-164.94	1	U.S. Geological Survey	Steel Tape		
P	11/26/1962		207.49	(2.45)	-162.49	1	U.S. Geological Survey	Steel Tape		
P	12/21/1962		200.64	(6.85)	-155.64	1	U.S. Geological Survey	Steel Tape		
P	1/25/1963		199.05	(1.59)	-154.05	1	U.S. Geological Survey	Steel Tape		
P	3/25/1963		198.24	(0.81)	-153.24	1	U.S. Geological Survey	Steel Tape		
P	4/24/1963		198.91	0.67	-153.91	1	U.S. Geological Survey	Steel Tape		
P	5/24/1963		202.27	3.36	-157.27	1	U.S. Geological Survey	Steel Tape		
P	6/21/1963		204.02	1.75	-159.02	1	U.S. Geological Survey	Steel Tape		
P	7/24/1963		206.8	2.78	-161.8	1	U.S. Geological Survey	Steel Tape		
P	8/23/1963		210.43	3.63	-165.43	1	U.S. Geological Survey	Steel Tape		
P	9/24/1963		211.68	1.25	-166.68	1	U.S. Geological Survey	Steel Tape		
P	10/24/1963		211.74	0.06	-166.74	1	U.S. Geological Survey	Steel Tape		
P	11/26/1963		210.68	(1.06)	-165.68	1	U.S. Geological Survey	Steel Tape		
P	12/20/1963		207.22	(3.46)	-162.22	1	U.S. Geological Survey	Steel Tape		
P	1/24/1964		207.11	(0.11)	-162.11	1	U.S. Geological Survey	Steel Tape		
P	2/25/1964		206.14	(0.97)	-161.14	1	U.S. Geological Survey	Steel Tape		
P	3/24/1964		207.64	1.50	-162.64	1	U.S. Geological Survey	Steel Tape		
P	4/24/1964		203.82	(3.82)	-158.82	1	U.S. Geological Survey	Steel Tape		
P	5/25/1964		205.4	1.58	-160.4	1	U.S. Geological Survey	Steel Tape		
P	6/24/1964		206.94	1.54	-161.94	1	U.S. Geological Survey	Steel Tape		
P	7/24/1964		211.77	4.83	-166.77	1	U.S. Geological Survey	Steel Tape		
P	8/24/1964		215.48	3.71	-170.48	1	U.S. Geological Survey	Steel Tape		
P	9/24/1964		217.46	1.98	-172.46	1	U.S. Geological Survey	Steel Tape		
P	10/23/1964		217.04	(0.42)	-172.04	1	U.S. Geological Survey	Steel Tape		
P	11/24/1964		215.74	(1.30)	-170.74	1	U.S. Geological Survey	Steel Tape		
P	12/21/1964		213.36	(2.38)	-168.36	1	U.S. Geological Survey	Steel Tape		

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P	1/25/1965		211.09	(2.27)	-166.09	1	U.S. Geological Survey	Steel Tape		
P	2/25/1965		210.48	(0.61)	-165.48	1	U.S. Geological Survey	Steel Tape		
P	3/24/1965		210.44	(0.04)	-165.44	1	U.S. Geological Survey	Steel Tape		
P	4/23/1965		211.24	0.80	-166.24	1	U.S. Geological Survey	Steel Tape		
P	5/24/1965		212.64	1.40	-167.64	1	U.S. Geological Survey	Steel Tape		
P	6/24/1965		214.42	1.78	-169.42	1	U.S. Geological Survey	Steel Tape		
P	7/23/1965		217.97	3.55	-172.97	1	U.S. Geological Survey	Steel Tape		
P	8/24/1965		221.2	3.23	-176.2	1	U.S. Geological Survey	Steel Tape		
P	9/24/1965		221.89	0.69	-176.89	1	U.S. Geological Survey	Steel Tape		
P	10/25/1965		224.5	2.61	-179.5	1	U.S. Geological Survey	Steel Tape		
P	11/24/1965		222.8	(1.70)	-177.8	1	U.S. Geological Survey	Steel Tape		
P	12/22/1965		221.94	(0.86)	-176.94	1	U.S. Geological Survey	Steel Tape		
P	1/24/1966		220.77	(1.17)	-175.77	1	U.S. Geological Survey	Steel Tape		
P	2/24/1966		217.52	(3.25)	-172.52	1	U.S. Geological Survey	Steel Tape		
P	3/24/1966		220.27	2.75	-175.27	1	U.S. Geological Survey	Steel Tape		
P	4/25/1966		219.93	(0.34)	-174.93	1	U.S. Geological Survey	Steel Tape		
P	5/24/1966		219.83	(0.10)	-174.83	1	U.S. Geological Survey	Steel Tape		
P	6/24/1966		223.32	3.49	-178.32	1	U.S. Geological Survey	Steel Tape		
P	7/25/1966		227.69	4.37	-182.69	1	U.S. Geological Survey	Steel Tape		
P	8/25/1966		230.7	3.01	-185.7	1	U.S. Geological Survey	Steel Tape		
P	9/26/1966		231.31	0.61	-186.31	1	U.S. Geological Survey	Steel Tape		
P	10/24/1966		231.8	0.49	-186.8	1	U.S. Geological Survey	Steel Tape		
P	11/23/1966		231.54	(0.26)	-186.54	1	U.S. Geological Survey	Steel Tape		
P	12/22/1966		229.63	(1.91)	-184.63	1	U.S. Geological Survey	Steel Tape		
P	1/24/1967		229.65	0.02	-184.65	1	U.S. Geological Survey	Steel Tape		
P	2/24/1967		228.58	(1.07)	-183.58	1	U.S. Geological Survey	Steel Tape		
P	3/24/1967		229.53	0.95	-184.53	1	U.S. Geological Survey	Steel Tape		
P	4/24/1967		230.85	1.32	-185.85	1	U.S. Geological Survey	Steel Tape		
P	5/24/1967		232.87	2.02	-187.87	1	U.S. Geological Survey	Steel Tape		
P	6/21/1967		234.72	1.85	-189.72	1	U.S. Geological Survey	Steel Tape		
P	7/21/1967		238.09	3.37	-193.09	1	U.S. Geological Survey	Steel Tape		
P	8/24/1967		240.82	2.73	-195.82	1	U.S. Geological Survey	Steel Tape		
P	9/25/1967		241.69	0.87	-196.69	1	U.S. Geological Survey	Steel Tape		
P	10/24/1967		241.81	0.12	-196.81	1	U.S. Geological Survey	Steel Tape		
P	11/22/1967		242.02	0.21	-197.02	1	U.S. Geological Survey	Steel Tape		
P	12/20/1967		241.34	(0.68)	-196.34	1	U.S. Geological Survey	Steel Tape		
P	1/24/1968		239.72	(1.62)	-194.72	1	U.S. Geological Survey	Steel Tape		
P	2/26/1968		237.91	(1.81)	-192.91	1	U.S. Geological Survey	Steel Tape		
P	3/25/1968		237.93	0.02	-192.93	1	U.S. Geological Survey	Steel Tape		
P	4/24/1968		238.61	0.68	-193.61	1	U.S. Geological Survey	Steel Tape		
P	5/24/1968		239.41	0.80	-194.41	1	U.S. Geological Survey	Steel Tape		
P	6/24/1968		240.76	1.35	-195.76	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/24/1968		241.97	1.21	-196.97	1	U.S. Geological Survey	Steel Tape		
P	8/23/1968		245.51	3.54	-200.51	1	U.S. Geological Survey	Steel Tape		
P	9/24/1968		245.44	(0.07)	-200.44	1	U.S. Geological Survey	Steel Tape		
P	10/24/1968		245.85	0.41	-200.85	1	U.S. Geological Survey	Steel Tape		
P	11/25/1968		244.94	(0.91)	-199.94	1	U.S. Geological Survey	Steel Tape		
P	12/20/1968		244.77	(0.17)	-199.77	1	U.S. Geological Survey	Steel Tape		
P	1/24/1969		242.99	(1.78)	-197.99	1	U.S. Geological Survey	Steel Tape		
P	2/25/1969		241.56	(1.43)	-196.56	1	U.S. Geological Survey	Steel Tape		
P	3/24/1969		241.55	(0.01)	-196.55	1	U.S. Geological Survey	Steel Tape		
P	4/25/1969		241.91	0.36	-196.91	1	U.S. Geological Survey	Steel Tape		
P	5/26/1969		244.68	2.77	-199.68	1	U.S. Geological Survey	Steel Tape		
P	6/20/1969		243.78	(0.90)	-198.78	1	U.S. Geological Survey	Steel Tape		
P	7/24/1969		247.51	3.73	-202.51	1	U.S. Geological Survey	Steel Tape		
P	8/25/1969		250.56	3.05	-205.56	1	U.S. Geological Survey	Steel Tape		
P	9/24/1969		252.14	1.58	-207.14	1	U.S. Geological Survey	Steel Tape		
P	10/24/1969		251.72	(0.42)	-206.72	1	U.S. Geological Survey	Steel Tape		
P	11/24/1969		252.08	0.36	-207.08	1	U.S. Geological Survey	Steel Tape		
P	12/23/1969		249.81	(2.27)	-204.81	1	U.S. Geological Survey	Steel Tape		
P	1/23/1970		248.17	(1.64)	-203.17	1	U.S. Geological Survey	Steel Tape		
P	2/24/1970		248.63	0.46	-203.63	1	U.S. Geological Survey	Steel Tape		
P	3/24/1970		247.96	(0.67)	-202.96	1	U.S. Geological Survey	Steel Tape		
P	4/24/1970		247.07	(0.89)	-202.07	1	U.S. Geological Survey	Steel Tape		
P	5/25/1970		247.16	0.09	-202.16	1	U.S. Geological Survey	Steel Tape		
P	6/24/1970		250.2	3.04	-205.2	1	U.S. Geological Survey	Steel Tape		
P	7/24/1970		254.77	4.57	-209.77	1	U.S. Geological Survey	Steel Tape		
P	8/24/1970		258.38	3.61	-213.38	1	U.S. Geological Survey	Steel Tape		
P	9/24/1970		254.8	(3.58)	-209.8	1	U.S. Geological Survey	Steel Tape		
P	10/22/1970		255.31	0.51	-210.31	1	U.S. Geological Survey	Steel Tape		
P	11/24/1970		254.66	(0.65)	-209.66	1	U.S. Geological Survey	Steel Tape		
P	12/23/1970		255.56	0.90	-210.56	1	U.S. Geological Survey	Steel Tape		
P	1/25/1971		252.88	(2.68)	-207.88	1	U.S. Geological Survey	Steel Tape		
P	2/24/1971		252.55	(0.33)	-207.55	1	U.S. Geological Survey	Steel Tape		
P	3/24/1971		252.78	0.23	-207.78	1	U.S. Geological Survey	Steel Tape		
P	4/23/1971		261.06	8.28	-216.06	1	U.S. Geological Survey	Steel Tape		
P	5/24/1971		254.57	(6.49)	-209.57	1	U.S. Geological Survey	Steel Tape		
P	6/24/1971		256.11	1.54	-211.11	1	U.S. Geological Survey	Steel Tape		
P	7/23/1971		258.98	2.87	-213.98	1	U.S. Geological Survey	Steel Tape		
P	8/24/1971		260.53	1.55	-215.53	1	U.S. Geological Survey	Steel Tape		
P	9/24/1971		260.96	0.43	-215.96	1	U.S. Geological Survey	Steel Tape		
P	10/22/1971		260.52	(0.44)	-215.52	1	U.S. Geological Survey	Steel Tape		
P	11/24/1971		259.79	(0.73)	-214.79	1	U.S. Geological Survey	Steel Tape		
P	12/22/1971		258.12	(1.67)	-213.12	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/24/1972		260.64	2.52	-215.64	1	U.S. Geological Survey	Steel Tape		
P	2/24/1972		256.69	(3.95)	-211.69	1	U.S. Geological Survey	Steel Tape		
P	3/24/1972		256.78	0.09	-211.78	1	U.S. Geological Survey	Steel Tape		
P	4/24/1972		255.91	(0.87)	-210.91	1	U.S. Geological Survey	Steel Tape		
P	5/24/1972		258.26	2.35	-213.26	1	U.S. Geological Survey	Steel Tape		
P	6/23/1972		257.66	(0.60)	-212.66	1	U.S. Geological Survey	Steel Tape		
P	7/24/1972		259.31	1.65	-214.31	1	U.S. Geological Survey	Steel Tape		
P	8/24/1972		260.68	1.37	-215.68	1	U.S. Geological Survey	Steel Tape		
P	9/22/1972		262.37	1.69	-217.37	1	U.S. Geological Survey	Steel Tape		
P	10/24/1972		263.86	1.49	-218.86	1	U.S. Geological Survey	Steel Tape		
P	11/22/1972		261.94	(1.92)	-216.94	1	U.S. Geological Survey	Steel Tape		
P	12/21/1972		260.15	(1.79)	-215.15	1	U.S. Geological Survey	Steel Tape		
P	1/24/1973		259.96	(0.19)	-214.96	1	U.S. Geological Survey	Steel Tape		
P	2/23/1973		259.78	(0.18)	-214.78	1	U.S. Geological Survey	Steel Tape		
P	3/23/1973		258.96	(0.82)	-213.96	1	U.S. Geological Survey	Steel Tape		
P	4/24/1973		259.45	0.49	-214.45	1	U.S. Geological Survey	Steel Tape		
P	5/24/1973		260.66	1.21	-215.66	1	U.S. Geological Survey	Steel Tape		
P	6/22/1973		258.69	(1.97)	-213.69	1	U.S. Geological Survey	Steel Tape		
P	7/24/1973		261.43	2.74	-216.43	1	U.S. Geological Survey	Steel Tape		
P	8/24/1973		263.35	1.92	-218.35	1	U.S. Geological Survey	Steel Tape		
P	9/24/1973		263.06	(0.29)	-218.06	1	U.S. Geological Survey	Steel Tape		
P	10/24/1973		262.57	(0.49)	-217.57	1	U.S. Geological Survey	Steel Tape		
P	11/21/1973		264.23	1.66	-219.23	1	U.S. Geological Survey	Steel Tape		
P	12/20/1973		264.01	(0.22)	-219.01	1	U.S. Geological Survey	Steel Tape		
P	1/21/1974		262.23	(1.78)	-217.23	1	U.S. Geological Survey	Steel Tape		
P	2/22/1974		261.9	(0.33)	-216.9	1	U.S. Geological Survey	Steel Tape		
P	3/22/1974		261.85	(0.05)	-216.85	1	U.S. Geological Survey	Steel Tape		
P	4/24/1974		261.39	(0.46)	-216.39	1	U.S. Geological Survey	Steel Tape		
P	5/24/1974		261.6	0.21	-216.6	1	U.S. Geological Survey	Steel Tape		
P	6/24/1974		261.73	0.13	-216.73	1	U.S. Geological Survey	Steel Tape		
P	7/24/1974		264.15	2.42	-219.15	1	U.S. Geological Survey	Steel Tape		
P	8/23/1974		266.46	2.31	-221.46	1	U.S. Geological Survey	Steel Tape		
P	9/24/1974		262.61	(3.85)	-217.61	1	U.S. Geological Survey	Steel Tape		
P	10/24/1974		264.49	1.88	-219.49	1	U.S. Geological Survey	Steel Tape		
P	11/22/1974		264.18	(0.31)	-219.18	1	U.S. Geological Survey	Steel Tape		
P	12/20/1974		263.88	(0.30)	-218.88	1	U.S. Geological Survey	Steel Tape		
P	1/24/1975		262.71	(1.17)	-217.71	2	U.S. Geological Survey	Steel Tape		
P	2/24/1975		262.05	(0.66)	-217.05	2	U.S. Geological Survey	Steel Tape		
P	3/24/1975		261.52	(0.53)	-216.52	2	U.S. Geological Survey	Steel Tape		
P	4/24/1975		261.39	(0.13)	-216.39	2	U.S. Geological Survey	Steel Tape		
P	5/23/1975		261.98	0.59	-216.98	2	U.S. Geological Survey	Steel Tape		
P	6/25/1975		258.99	(2.99)	-213.99	2	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/24/1975		260.58	1.59	-215.58	2	U.S. Geological Survey	Steel Tape		
P	8/24/1975		262.37	1.79	-217.37	2	U.S. Geological Survey	Steel Tape		
P	8/25/1975		262.37	0.00	-217.37	1	U.S. Geological Survey	Steel Tape		
P	9/24/1975		262.59	0.22	-217.59	2	U.S. Geological Survey	Steel Tape		
P	10/24/1975		264.69	2.10	-219.69	2	U.S. Geological Survey	Steel Tape		
P	11/24/1975		256.92	(7.77)	-211.92	2	U.S. Geological Survey	Steel Tape		
P	12/22/1975		259.7	2.78	-214.7	2	U.S. Geological Survey	Steel Tape		
P	1/23/1976		257.18	(2.52)	-212.18	2	U.S. Geological Survey	Steel Tape		
P	2/24/1976		257.84	0.66	-212.84	2	U.S. Geological Survey	Steel Tape		
P	3/24/1976		258.08	0.24	-213.08	2	U.S. Geological Survey	Steel Tape		
P	4/23/1976		258.57	0.49	-213.57	2	U.S. Geological Survey	Steel Tape		
P	5/24/1976		257.13	(1.44)	-212.13	2	U.S. Geological Survey	Steel Tape		
P	6/24/1976		257.49	0.36	-212.49	2	U.S. Geological Survey	Steel Tape		
P	7/23/1976		265.77	8.28	-220.77	2	U.S. Geological Survey	Steel Tape		
P	8/24/1976		259.24	(6.53)	-214.24	2	U.S. Geological Survey	Steel Tape		
P	9/24/1976		264.18	4.94	-219.18	2	U.S. Geological Survey	Steel Tape		
P	10/22/1976		262.22	(1.96)	-217.22	2	U.S. Geological Survey	Steel Tape		
P	11/24/1976		261.9	(0.32)	-216.9	2	U.S. Geological Survey	Steel Tape		
P	12/22/1976		260.43	(1.47)	-215.43	2	U.S. Geological Survey	Steel Tape		
P	1/21/1977		260.36	(0.07)	-215.36	2	U.S. Geological Survey	Steel Tape		
P	2/23/1977		259.87	(0.49)	-214.87	2	U.S. Geological Survey	Steel Tape		
P	3/25/1977		261.82	1.95	-216.82	2	U.S. Geological Survey	Steel Tape		
P	4/22/1977		261.74	(0.08)	-216.74	2	U.S. Geological Survey	Steel Tape		
P	5/24/1977		260.89	(0.85)	-215.89	2	U.S. Geological Survey	Steel Tape		
P	6/23/1977		261.78	0.89	-216.78	1	U.S. Geological Survey	Steel Tape		
P	7/25/1977		261.33	(0.45)	-216.33	1	U.S. Geological Survey	Steel Tape		
P	8/23/1977		263.7	2.37	-218.7	1	U.S. Geological Survey	Steel Tape		
P	9/23/1977		265.54	1.84	-220.54	1	U.S. Geological Survey	Steel Tape		
P	10/21/1977		264.81	(0.73)	-219.81	1	U.S. Geological Survey	Steel Tape		
P	11/23/1977		264.86	0.05	-219.86	1	U.S. Geological Survey	Steel Tape		
P	12/22/1977		263.13	(1.73)	-218.13	1	U.S. Geological Survey	Steel Tape		
P	1/24/1978		260.67	(2.46)	-215.67	1	U.S. Geological Survey	Steel Tape		
P	2/24/1978		263.59	2.92	-218.59	1	U.S. Geological Survey	Steel Tape		
P	3/28/1978		264.94	1.35	-219.94	1	U.S. Geological Survey	Steel Tape		
P	4/24/1978		266.29	1.35	-221.29	1	U.S. Geological Survey	Steel Tape		
P	5/24/1978		257.88	(8.41)	-212.88	1	U.S. Geological Survey	Steel Tape		
P	6/23/1978		257.97	0.09	-212.97	1	U.S. Geological Survey	Steel Tape		
P	7/24/1978		264.63	6.66	-219.63	1	U.S. Geological Survey	Steel Tape		
P	8/24/1978		260.53	(4.10)	-215.53	1	U.S. Geological Survey	Steel Tape		
P	9/22/1978		261.8	1.27	-216.8	1	U.S. Geological Survey	Steel Tape		
P	10/23/1978		262.24	0.44	-217.24	1	U.S. Geological Survey	Steel Tape		
P	11/24/1978		265.69	3.45	-220.69	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/22/1978		265.02	(0.67)	-220.02	1	U.S. Geological Survey	Steel Tape		
P	1/24/1979		267.15	2.13	-222.15	1	U.S. Geological Survey	Steel Tape		
P	2/22/1979		260.93	(6.22)	-215.93	1	U.S. Geological Survey	Steel Tape		
P	3/23/1979		281.01	20.08	-236.01	1	U.S. Geological Survey	Steel Tape		
P	4/24/1979		256.23	(24.78)	-211.23	1	U.S. Geological Survey	Steel Tape		
P	5/24/1979		254.72	(1.51)	-209.72	1	U.S. Geological Survey	Steel Tape		
P	6/22/1979		258.01	3.29	-213.01	1	U.S. Geological Survey	Steel Tape		
P	7/23/1979		259.12	1.11	-214.12	1	U.S. Geological Survey	Steel Tape		
P	8/24/1979		262.51	3.39	-217.51	1	U.S. Geological Survey	Steel Tape		
P	9/24/1979		266.01	3.50	-221.01	1	U.S. Geological Survey	Steel Tape		
P	10/24/1979		265.3	(0.71)	-220.3	1	U.S. Geological Survey	Steel Tape		
P	11/23/1979		263.71	(1.59)	-218.71	1	U.S. Geological Survey	Steel Tape		
P	12/21/1979		255.9	(7.81)	-210.9	1	U.S. Geological Survey	Steel Tape		
P	1/24/1980		255.15	(0.75)	-210.15	1	U.S. Geological Survey	Steel Tape		
P	2/21/1980		254.81	(0.34)	-209.81	1	U.S. Geological Survey	Steel Tape		
P	3/24/1980		252.23	(2.58)	-207.23	1	U.S. Geological Survey	Steel Tape		
P	4/24/1980		253.98	1.75	-208.98	1	U.S. Geological Survey	Steel Tape		
P	5/23/1980		254.17	0.19	-209.17	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		253.06	(1.11)	-208.06	1	U.S. Geological Survey	Steel Tape		
P	7/24/1980		260.05	6.99	-215.05	1	U.S. Geological Survey	Steel Tape		
P	8/22/1980		258.2	(1.85)	-213.2	1	U.S. Geological Survey	Steel Tape		
P	9/24/1980		266.57	8.37	-221.57	1	U.S. Geological Survey	Steel Tape		
P	10/24/1980		265.13	(1.44)	-220.13	1	U.S. Geological Survey	Steel Tape		
P	11/24/1980		266.84	1.71	-221.84	1	U.S. Geological Survey	Steel Tape		
P	12/23/1980		265.43	(1.41)	-220.43	1	U.S. Geological Survey	Steel Tape		
P	1/23/1981		260.9	(4.53)	-215.9	1	U.S. Geological Survey	Steel Tape		
P	2/24/1981		262.33	1.43	-217.33	1	U.S. Geological Survey	Unknown		
P	3/24/1981		259.62	(2.71)	-214.62	1	U.S. Geological Survey	Unknown		
P	4/24/1981		260.55	0.93	-215.55	1	U.S. Geological Survey	Steel Tape		
P	5/22/1981		259.38	(1.17)	-214.38	1	U.S. Geological Survey	Steel Tape		
P	6/24/1981		261.07	1.69	-216.07	1	U.S. Geological Survey	Steel Tape		
P	7/24/1981		261.85	0.78	-216.85	1	U.S. Geological Survey	Steel Tape		
P	8/24/1981		263.02	1.17	-218.02	1	U.S. Geological Survey	Steel Tape		
P	9/24/1981		266.81	3.79	-221.81	1	U.S. Geological Survey	Steel Tape		
P	10/23/1981		267.75	0.94	-222.75	1	U.S. Geological Survey	Steel Tape		
P	12/1/1981		260.28	(7.47)	-215.28	1	U.S. Geological Survey	Steel Tape		
P	12/23/1981		257.15	(3.13)	-212.15	1	U.S. Geological Survey	Steel Tape		
P	1/22/1982		259.38	2.23	-214.38	1	U.S. Geological Survey	Steel Tape		
P	2/24/1982		258.56	(0.82)	-213.56	1	U.S. Geological Survey	Steel Tape		
P	3/24/1982		259.13	0.57	-214.13	1	U.S. Geological Survey	Steel Tape		
P	4/23/1982		259.16	0.03	-214.16	1	U.S. Geological Survey	Steel Tape		
P	5/24/1982		259.42	0.26	-214.42	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-927

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/24/1982		260.75	1.33	-215.75	1	U.S. Geological Survey	Steel Tape		
P	7/23/1982		269.13	8.38	-224.13	1	U.S. Geological Survey	Steel Tape		
P	8/23/1982		274.42	5.29	-229.42	1	U.S. Geological Survey	Steel Tape		
P	9/24/1982		278.66	4.24	-233.66	1	U.S. Geological Survey	Steel Tape		
P	10/22/1982		274.98	(3.68)	-229.98	1	U.S. Geological Survey	Unknown		
P	11/24/1982		266.18	(8.80)	-221.18	1	U.S. Geological Survey	Unknown		
P	12/22/1982		259.87	(6.31)	-214.87	1	U.S. Geological Survey	Unknown		
P	1/24/1983		253.71	(6.16)	-208.71	1	U.S. Geological Survey	Unknown		
P	2/24/1983		250.07	(3.64)	-205.07	1	U.S. Geological Survey	Unknown		
P	3/24/1983		246.81	(3.26)	-201.81	1	U.S. Geological Survey	Unknown		
P	4/22/1983		247.44	0.63	-202.44	1	U.S. Geological Survey	Unknown		
P	5/23/1983		249.01	1.57	-204.01	1	U.S. Geological Survey	Unknown		
P	6/24/1983		254.31	5.30	-209.31	1	U.S. Geological Survey	Unknown		
P	7/22/1983		256.88	2.57	-211.88	1	U.S. Geological Survey	Unknown		
P	8/24/1983		254.13	(2.75)	-209.13	1	U.S. Geological Survey	Unknown		
P	9/23/1983		248.97	(5.16)	-203.97	1	U.S. Geological Survey	Unknown		
P	10/24/1983		245.02	(3.95)	-200.02	1	U.S. Geological Survey	Unknown		
P	11/25/1983		243	(2.02)	-198	1	U.S. Geological Survey	Unknown		
P	12/22/1983		239.11	(3.89)	-194.11	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6513928 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294512 **Longitude** 952259 **Source of Coords** 3

Owner's Well No. **Location**

Owner
Public Laundries

Driller
Layne Texas

Address **Tenant/Oper.**

Date Drilled / /1927 **Depth** 1377 **Source of Depth** **Altitude** 56 **Source of Alt.**

Well Type W **User**

WEL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____to_____

LIFT DATA - Pump Mfr. - **Type -** NONE **No. Stages**

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** blank **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 2 measurements
1938 to 1966
MIN -305.4 MAX -105.5

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 1310 to 1377 ft.
reported yield 150 gpm with 66 ft.
drawdown in 1938. Well destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-928

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513928
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.753334
Latitude (degrees minutes seconds)	29° 45' 12" N
Longitude (decimal degrees)	-95.383055
Longitude (degrees minutes seconds)	095° 22' 59" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1377
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1927
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Public Laundries
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Screen from 1310 to 1377 ft. reported yield 150 gpm with 66 ft. drawdown in 1938. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

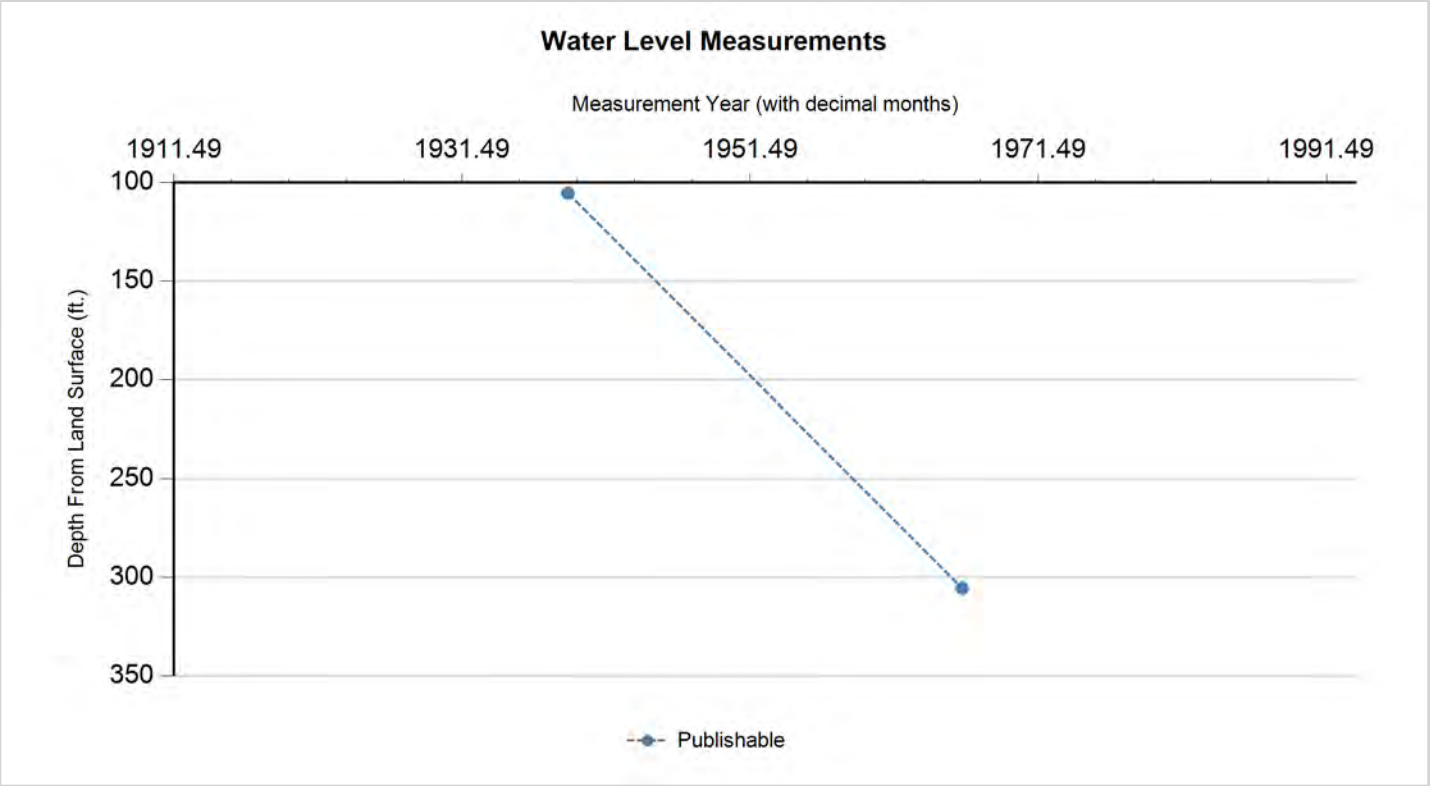
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/6/1938		105.5		-49.5	1	Texas Water Development Board	Steel Tape		
P	3/9/1966		305.4	199.90	-249.4	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 5/2/1927 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		65	mg/L	

Water Quality Analysis

Sample Date: 3/30/1935 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		243.37	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		297	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	

Water Quality Analysis

Sample Date: 1/31/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		240.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		293	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		57	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		110	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		308	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		237.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.5	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		109	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		308	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		237.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00910	CALCIUM (MG/L)		14	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		65	mg/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.47		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		5.78		
00932	SODIUM, CALCULATED, PERCENT		78	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		106	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		311	mg/L	

Water Quality Analysis

Sample Date: 2/17/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		240.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		63	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		106	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		304	mg/L	

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		234.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		286	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		106	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		300	mg/L	

Water Quality Analysis

Sample Date: 1/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		299	mg/L	
00910	CALCIUM (MG/L)		7	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.3		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		10.6		
00932	SODIUM, CALCULATED, PERCENT		90	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		133	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		328	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		238.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		291	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		75	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	

Water Quality Analysis

Sample Date: 7/3/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-928

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6513930 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294501 **Longitude** 952301 **Source of Coords** 3

Owner's Well No. **Location**

Owner
Horlock Ice co.

Driller
J.A. Walling

Address **Tenant/Oper.**

Date Drilled / /1929 **Depth** 250 **Source of Depth** **Altitude** 56 **Source of Alt.**

Well Type W **User**

WEL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____to_____

LIFT DATA - Pump Mfr. - _____ **Type -** blank **No. Stages** _____

Bowls Diam - **in.** **Setting -** **ft.** **Column Diam. -** **in.**

Motor Mfr. - **Fuel or Power -** blank **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** INDUSTRIAL **Secondary -** blank **Tertiary -** MEDICINAL

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1931
-68

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 224 to 250 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-930

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513930
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.750278
Latitude (degrees minutes seconds)	29° 45' 01" N
Longitude (decimal degrees)	-95.383611
Longitude (degrees minutes seconds)	095° 23' 01" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	250
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1929
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Horlock Ice co.
Driller	J.A. Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Screen from 224 to 250 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

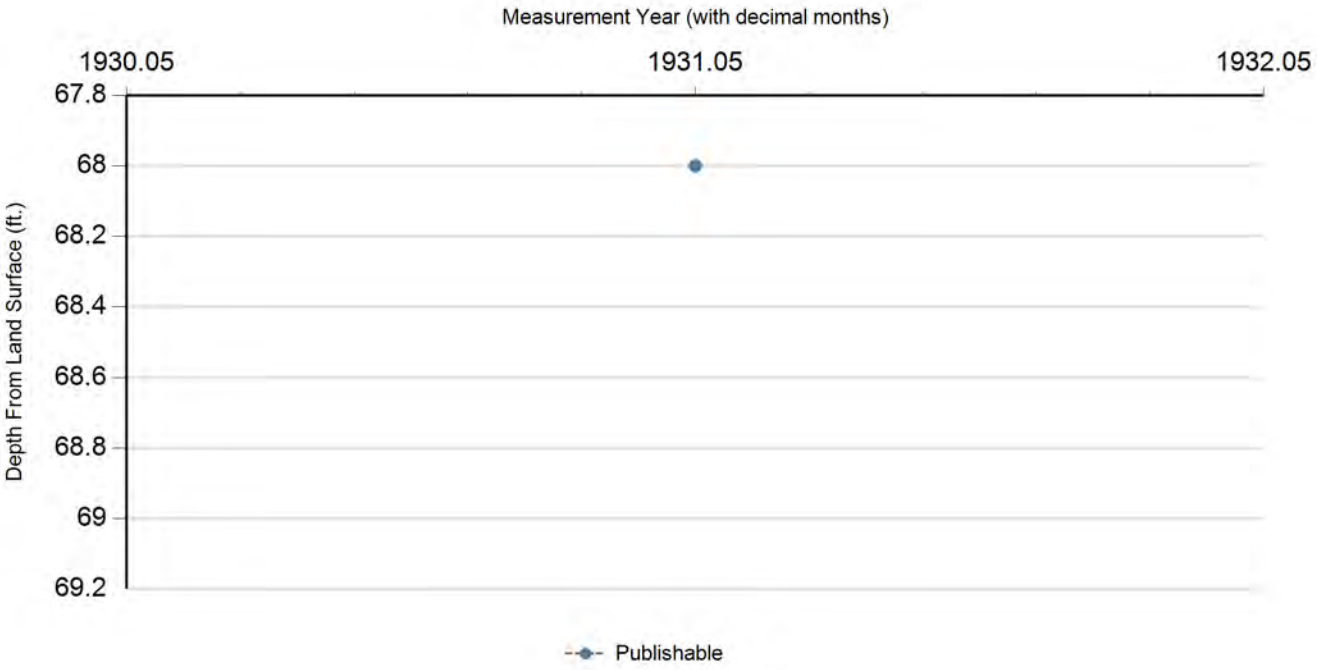
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/19/1931		68		-12	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/31/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		227.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		277	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		168	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.3	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		59	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		314	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		176	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		50	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		300	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		166	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		307	mg/L	

Water Quality Analysis

Sample Date: 2/17/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.14	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		158	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		226.23	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		276	mg/L	
00910	CALCIUM (MG/L)		46	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		172	mg/L	
00920	MAGNESIUM (MG/L)		14	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.07		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.72		
00932	SODIUM, CALCULATED, PERCENT		39	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		52	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		293	mg/L	

Water Quality Analysis

Sample Date: 1/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		225.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		275	mg/L	
00910	CALCIUM (MG/L)		35	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		131	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.93		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.65		
00932	SODIUM, CALCULATED, PERCENT		53	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		69	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		292	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-930

Water Quality Analysis

Sample Date: 2/8/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		155	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		529	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6513931 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294514 **Longitude** 952257 **Source of Coords** 3

Owner's Well No. **Location**

Owner
Horlock Ice co.

Driller
Layne Texas

Address **Tenant/Oper.**

Date Drilled / /1941 **Depth** 509 **Source of Depth** **Altitude** 53 **Source of Alt.**

Well Type W **User**

WEL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____to_____

LIFT DATA - Pump Mfr. - **Type -** AIRLIFT **No. Stages**

Bowls Diam - in. **Setting -** ft. **Column Diam. -** in.

Motor Mfr. - **Fuel or Power -** blank **Horsepower -**

YIELD Flow- **GPM** **Pump** **GPM** **Meas.,Rept.,Est.-** **Date-**

WATER USE **Primary -** INDUSTRIAL **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1941
-108

Recorded By **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
58 ft of screen between 310 and 509 ft. Reported yield 270 gpm with 82 ft drawdown when drilled.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-931

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513931
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.753889
Latitude (degrees minutes seconds)	29° 45' 14" N
Longitude (decimal degrees)	-95.3825
Longitude (degrees minutes seconds)	095° 22' 57" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	53
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	509
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Airlift
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Horlock Ice co.
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	58 ft of screen between 310 and 509 ft. Reported yield 270 gpm with 82 ft drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

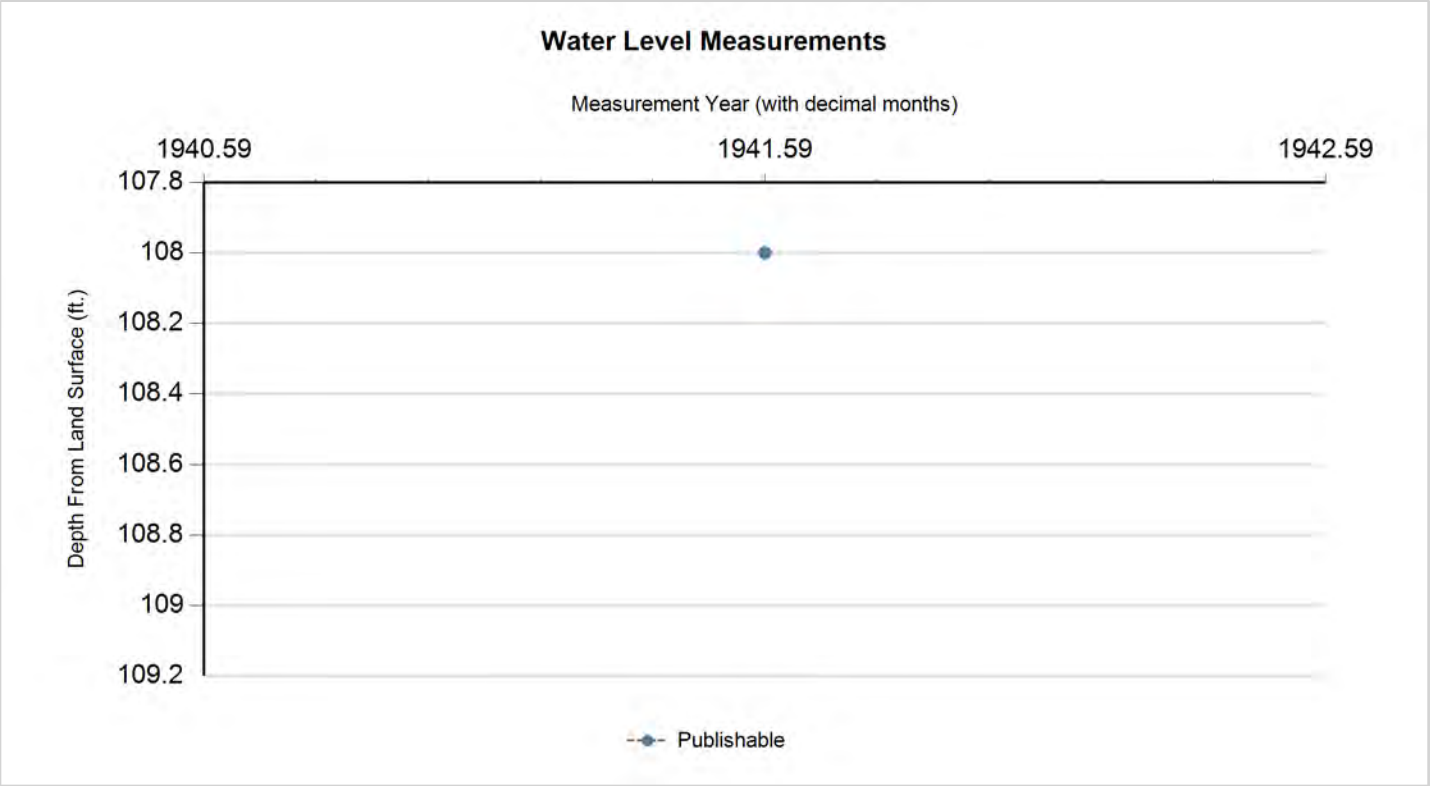
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/5/1941		108		-55	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/24/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.96	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		255	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		188	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		557	MICR	

Water Quality Analysis

Sample Date: 3/15/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		167.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		204	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		136	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		548	MICR	

Water Quality Analysis

Sample Date: 1/31/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		534	MICR	

Water Quality Analysis

Sample Date: 1/30/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		182.79	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		223	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		157	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		547	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		166.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		203	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		123	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		529	MICR	

Water Quality Analysis

Sample Date: 2/23/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		142.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		174	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		91	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		422	MICR	

Water Quality Analysis

Sample Date: 2/9/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		173.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		212	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		124	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		531	MICR	

Water Quality Analysis

Sample Date: 2/20/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		269	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		172	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		537	MICR	

Water Quality Analysis

Sample Date: 3/14/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		565	MICR	

Water Quality Analysis

Sample Date: 4/21/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		175	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		552	MICR	

Water Quality Analysis

Sample Date: 3/16/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		261	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		168	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		524	MICR	

Water Quality Analysis

Sample Date: 4/19/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	

Water Quality Analysis

Sample Date: 3/2/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		174	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		544	MICR	

Water Quality Analysis

Sample Date: 7/24/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		179	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		540	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-931

Water Quality Analysis

Sample Date: 3/26/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		177	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		528	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-932

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by NARF WFG 1941 McAdoo Source of data File Date 2-16-68 Map Houston Heights 1955 1:24000

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 45 49 N Longitude: 095 22 42 Sequential number: 1

Lat-long accuracy: 1 T. ____ N S, R ____ E W, Sec ____, ____ k, ____ k, ____ k

Local well number: LJ-65-13-932 Other number: B & H F-11 (624)

Local use: ____ Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Central Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other Well destroyed Nov 1973 [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [U]

DATA AVAILABLE: Well data [6] Freq. W/L meas.: Semi-annual 1935 — 1971 [S] Field aquifer char. [ ]

Hyd. lab. data: drop MIS 9-73 [ ]

Qual. water data; type: ____ [ ]

Freq. sampling: 4-16-40-56 [T] Pumpage inventory: yes/no, period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: ____ [ ]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 953 ft [953] Meas. (rep) Driller accuracy [3]

Depth cased: (first perf.) 463 ft [463] Casing type: S ; Diam. 24-12½ in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: 1935 [935] Pump intake setting: ____ ft

Driller: Layne Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [T] Deep/Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 200 [W] Trans. or water no. ____

Descrip. MP ____ ft above/below LSD. Alt. MP ____

Alt. LSD: 40 [40] Accuracy: (source) Topo 5' [3]

Water Level 53.00 ft above/below MP; Ft above/below LSD [53] Accuracy: ____

Date meas: 7-30-75 [1975] Yield: ____ gpm [ ] Method determined [ ]

Drawdown: ____ ft [ ] Accuracy: ____ [ ] Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] Sulfate ____ ppm [ ] Chloride ____ ppm [ ] Hard. ____ ppm [ ]

Sp. Conduct ____ K x 10^6 [ ] Temp. ____ °F [ ] Date sampled [ ]

Taste, color, etc. ____

Well No. LJ-65-13-932

Well No. LT-65-13-932

Latitude-longitude 29 d 45 m 49 s 095 d 22 m 42.1 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: coastal plain [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [517] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 248 ft [248] (38–40) Depth to top of: _____ ft [ ] (41–43) ✓

MINOR AQUIFER: _____ system, _____ series [Q] (44–45) _____ aquifer, formation, group [CL] (46–47) ✓

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

61 43 63 39 42

Intervals Screened: 463-524; 562-605; 712-775; 836-875; 896-938.

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

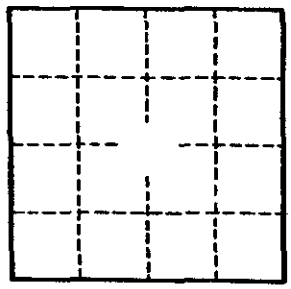
Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: ✓ _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

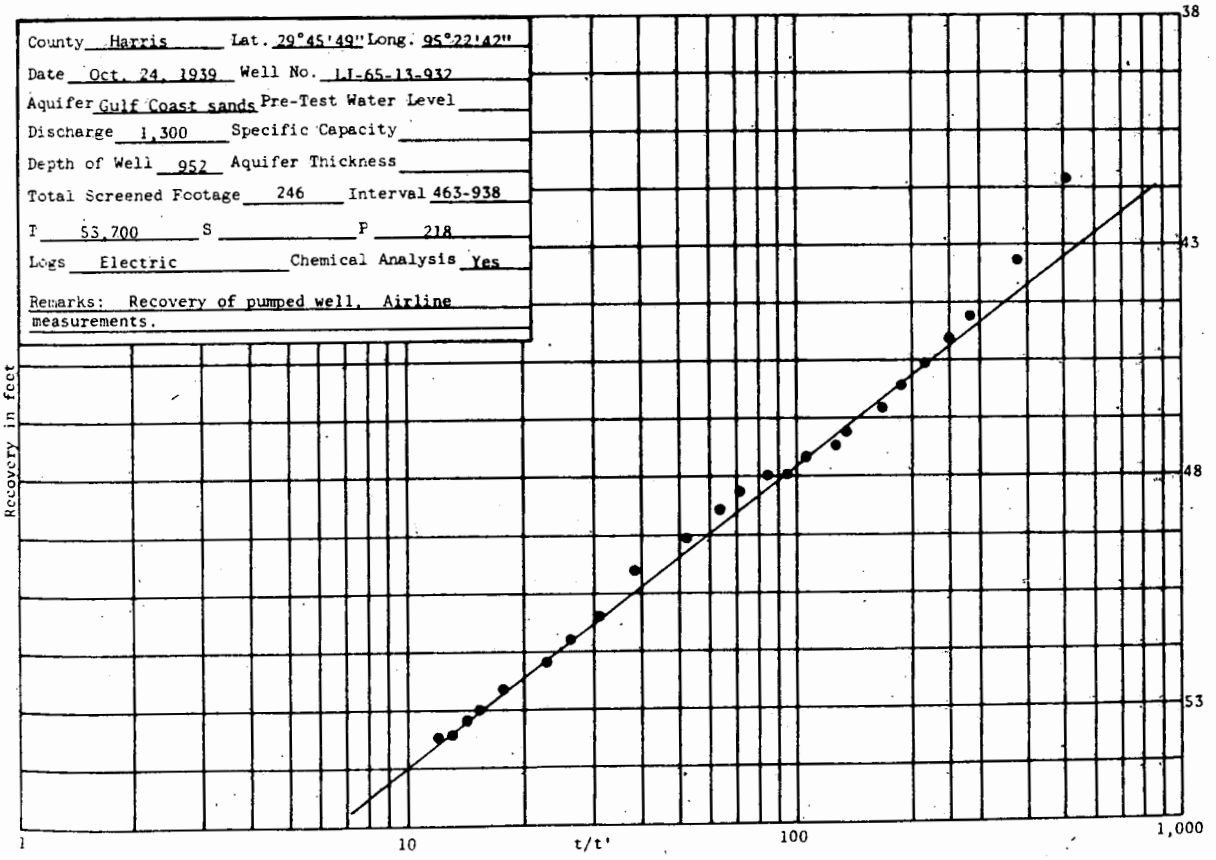
Coefficient Perm: ✓ _____ gpd/ft²; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

301' of 24" csg.



Well No. LT-65-13-932

GPO 857-700


County Harris Lat. 29°45'49" Long. 95°22'42"
Date Oct. 24, 1939 Well No. LI-65-13-932
Aquifer Gulf Coast sands Pre-Test Water Level
Discharge 1,300 Specific Capacity
Depth of Well 952 Aquifer Thickness
Total Screened Footage 246 Interval 463-938
T 53,700 S P 218
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well, Airline measurements.
Recovery in feet
38
43
48
53
1
10
t/t'
100
1,000

- 227 -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-932

GWDB Reports and Downloads | **Well Basic Details** | Scanned Documents

State Well Number	6513932
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763889
Latitude (degrees minutes seconds)	29° 45' 50" N
Longitude (decimal degrees)	-95.378611
Longitude (degrees minutes seconds)	095° 22' 43" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	953
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1935
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/16/1968
Last Update Date	7/12/2010

Remarks	Reported yield 1300 GPM in 1939. Aquifer test results in TWDB R-98. No test data in TWDB files. Destro- yed.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	301
12	Screen	Steel			463	524
12	Blank	Steel			524	562
12	Screen	Steel			562	605
12	Blank	Steel			605	712
12	Screen	Steel			712	775
12	Blank	Steel			775	836
12	Screen	Steel			836	875
12	Blank	Steel			875	896
12	Screen	Steel			896	938
12	Blank	Steel			938	953

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

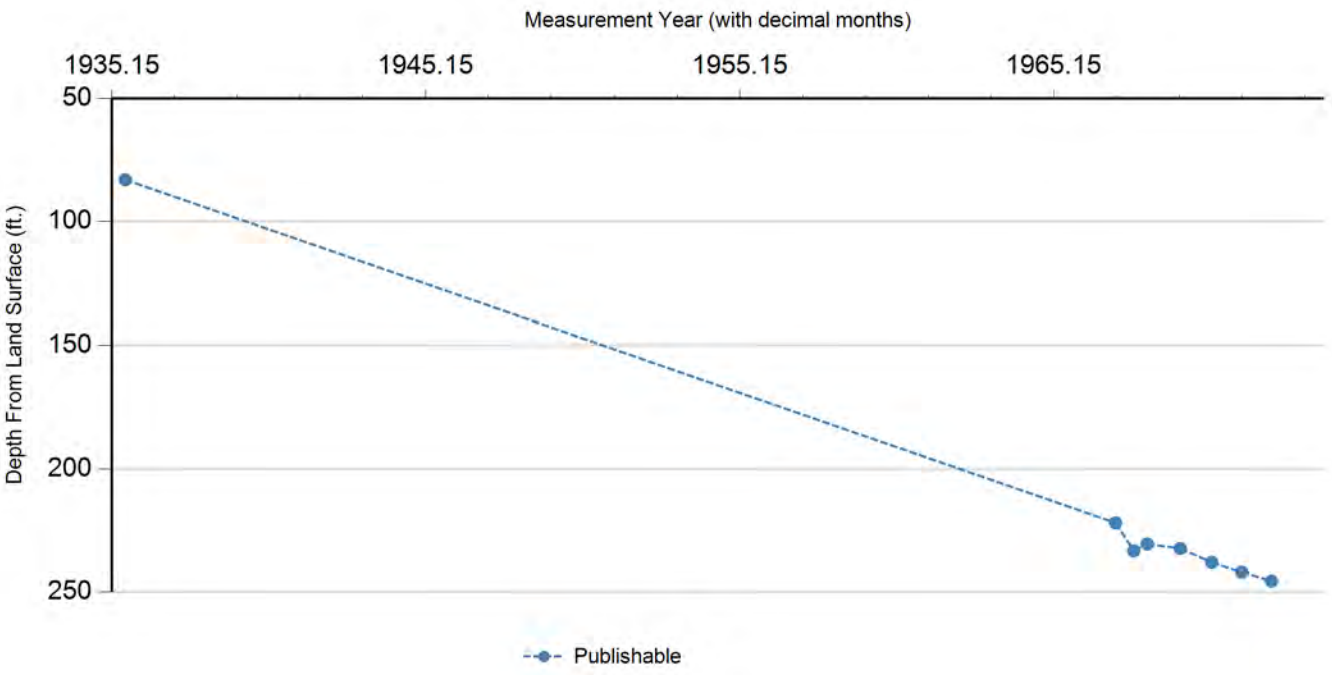
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/30/1935		83		-43	1	Registered Water Well Driller	Unknown		
P	2/13/1967		221.89	138.89	-181.89	1	U.S. Geological Survey	Steel Tape		
P	9/15/1967		233.21	11.32	-193.21	1	U.S. Geological Survey	Steel Tape		
P	2/16/1968		230.45	(2.76)	-190.45	1	U.S. Geological Survey	Steel Tape		
P	3/5/1969		232.27	1.82	-192.27	1	U.S. Geological Survey	Steel Tape		
P	3/6/1970		237.91	5.64	-197.91	1	U.S. Geological Survey	Steel Tape		
P	2/19/1971		241.89	3.98	-201.89	1	U.S. Geological Survey	Steel Tape		
P	1/31/1972		245.54	3.65	-205.54	1	U.S. Geological Survey	Steel Tape		
X	3/0/1973					1	U.S. Geological Survey		18	

Code Descriptions

Status Code	Status Description
P	Publishable
X	No Measurement

Remark ID	Remark Description
18	Well destroyed

Water Quality Analysis

Sample Date: 4/16/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		249	mg/L	
00910	CALCIUM (MG/L)		37	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		113	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2000	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.82		
00955	SILICA, DISSOLVED (MG/L AS SI02)		20	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.03		
00932	SODIUM, CALCULATED, PERCENT		58	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		74	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		308	mg/L	

Water Quality Analysis

Sample Date: 2/11/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		146	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		607	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		171	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		551	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		176.23	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		215	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		171	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		558	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		227	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		177	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		562	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 3/12/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		173	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		564	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-932

Water Quality Analysis

Sample Date: 3/5/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		187.65	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		229	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		188	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		577	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 933 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 44 Longitude - 95 22 33 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Central

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1935 Depth - 2,025 ft. Source of Depth - Altitude - 43 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS
Date- 09/11/1935 Measurement- -53.00
Date- 09/11/1953 Measurement- -246.00

Recorded By _____ Date Record Collected or Updated- / /

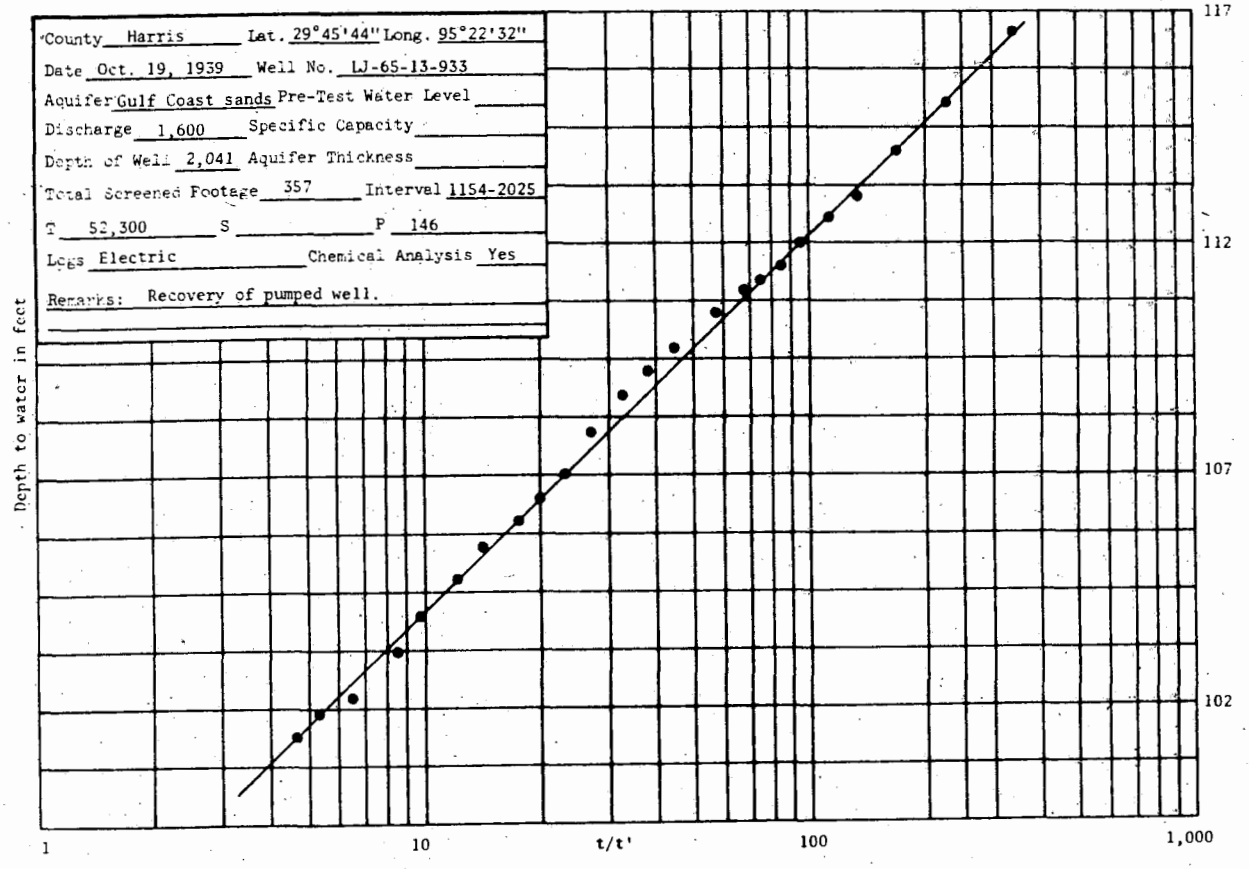
| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
357 ft of screen between 1154 and
2025 ft. Well destroyed. Well F-12.

Aquifer - 121EVGL
Well No. - 65 13 933

County Harris Lat. 29°45'44" Long. 95°22'32"
Date Oct. 19, 1939 Well No. LJ-65-13-933
Aquifer Gulf Coast sands Pre-Test Water Level
Discharge 1,600 Specific Capacity
Depth of Well 2,041 Aquifer Thickness
Total Screened Footage 357 Interval 1154-2025
T 52,300 S P 146
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.



Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-933

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513933
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.762501
Latitude (degrees minutes seconds)	29° 45' 45" N
Longitude (decimal degrees)	-95.376111
Longitude (degrees minutes seconds)	095° 22' 34" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	43
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2025
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1935
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	8/3/2006
Last Update Date	8/3/2006

Remarks	357 ft of screen between 1154 and 2025 ft. Well destroyed. Well F-12. Aquifer test data in TWDB R-98.

Casing - No Data

Well Tests - No Data

Lithology - No Data

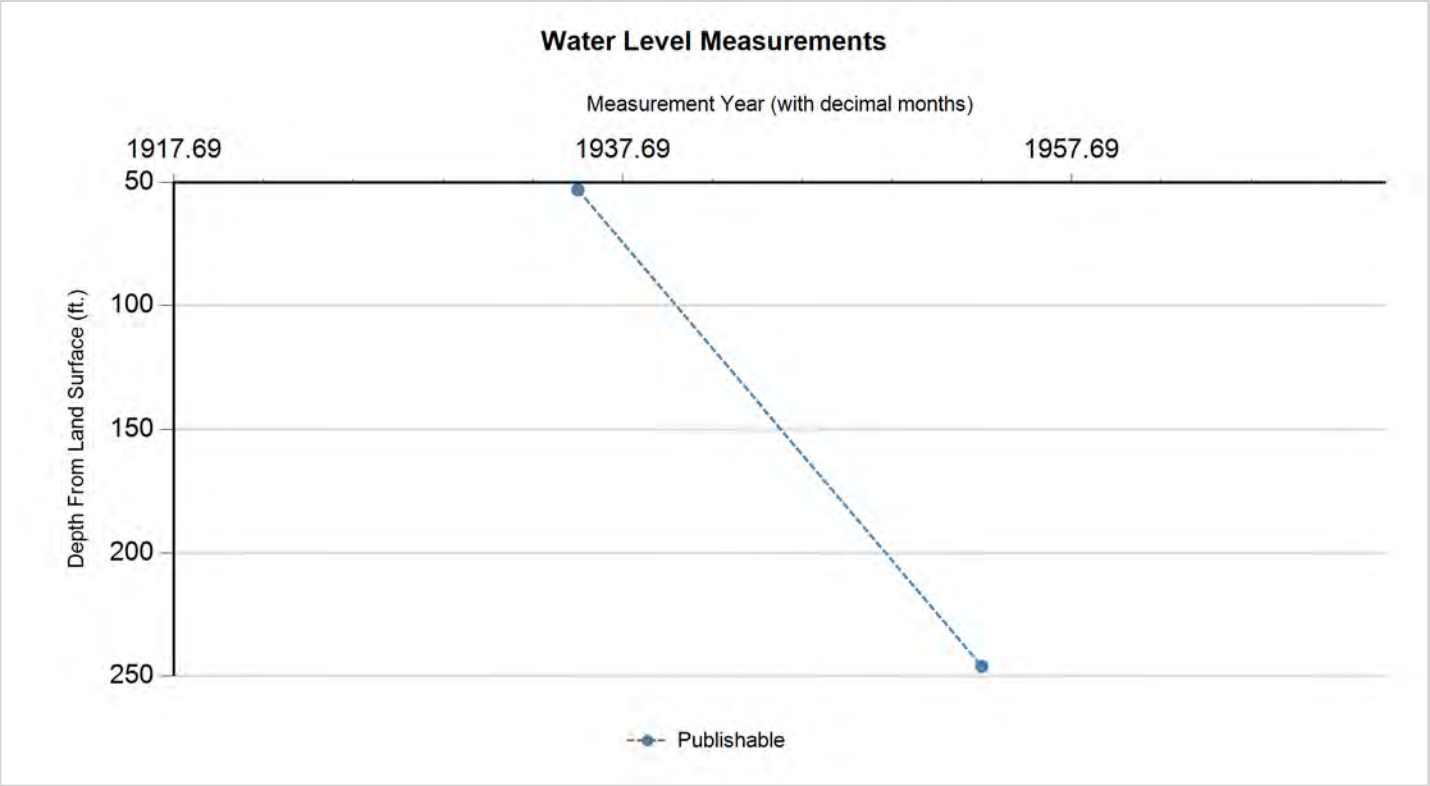
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/11/1935		53		-10	1	Registered Water Well Driller	Unknown		
P	9/11/1953		246	193.00	-203	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 3/29/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		376.23	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		459	mg/L	
00910	CALCIUM (MG/L)		7	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		107	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		2	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		7.09		
00955	SILICA, DISSOLVED (MG/L AS SI02)		10	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		21.72		
00932	SODIUM, CALCULATED, PERCENT		95	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		232	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		582	mg/L	

Water Quality Analysis

Sample Date: 4/11/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		336.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		410	mg/L	
00910	CALCIUM (MG/L)		9	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		98	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		5	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.02		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		14.9		
00932	SODIUM, CALCULATED, PERCENT		91	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		202	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		106	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		537	mg/L	

Water Quality Analysis

Sample Date: 2/10/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		352.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		430	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		124	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		25	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1060	MICR	

Water Quality Analysis

Sample Date: 3/9/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		434	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		118	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1030	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-933

Water Quality Analysis

Sample Date: 3/20/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		327.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		399	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		73	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		48	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		745	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 13 941 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 07 Longitude - 95 22 47 Source of Coords -

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - General Dynamics Driller -

Address _____ Tenant/Oper. _____
Date Drilled - / /1960 Depth - 300 ft. Source of Depth - Altitude - 54 ft. Source of Alt. -
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- Y Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

Reporting Agency -
REMARKS -

Casing or Blank Pipe (C) Well Screen or Slotted Zone (Open Hole (O) Cemented from_____to_____		
	Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Aquifer - 112CHCT
Well No. - 65 13 941

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-941

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513941
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.768889
Latitude (degrees minutes seconds)	29° 46' 08" N
Longitude (decimal degrees)	-95.38
Longitude (degrees minutes seconds)	095° 22' 48" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	300
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1960
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	General Dynamics
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/2/1999
Last Update Date	6/2/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-941

Water Quality Analysis

Sample Date: 5/5/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00910	CALCIUM (MG/L)		61	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		206	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		13	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.21		
00955	SILICA, DISSOLVED (MG/L AS SI02)		19	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.46		
00932	SODIUM, CALCULATED, PERCENT		33	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		48	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		104	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		339	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Evangeline Project No. _____ State Well No. 65-13-942

_____ Field No./Owner's Well No. _____ County Harris

1. Location: ___ ¼, ___ ¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: American General Insurance Address: _____

Tenant (other): _____ Address: _____

Driller: Layne-Texas Address: _____

3. Land Surface Elevation: 35 ft. above msl determined by _____

4. Drilled: _____ 19 63; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 1337 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type _____

No. Stages _____, Bowls Diam. ____ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel _____ HP. _____

9. Yield: Flow ____ gpm, Pump ____ gpm, Meas., Rept., Est. ____ Date ____

10. Performance Test: Date 10/63 Length of Test ____ Made by L-T

Static Level 277 ft. Pumping Level 310 ft. Drawdown 33 ft.

Production 784 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date 9/5/63 Laboratory Edna Wood TDS ____ Sp Cond 460

Date _____ Laboratory _____ TDS ____ Sp Cond ____

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log, Formation Samples, Geophysical Log(s) _____

CASING, BLANK PIPE & WELL SCREEN
Cemented From ____ ft. to ____ ft.

Diam. (in.)	Type	Setting (feet) from	Setting (feet) to
14			1090
8			1337

13. Water Level(s): _____ ft. rept. meas. _____ 19 ___ above/below _____ which is ____ ft. above/below Land Surface

_____ ft. rept. meas. _____ 19 ___ above/below _____ which is ____ ft. above/below Land Surface

14. Use: Dom., Stock, (Public Supply) Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

17. Location or Sketch:

TDWR-0308

W/L Obs. Well ____ W/O Obs. Well

State Well No. 65-13-942

FORM NO. 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO 6497
S. O. 2426-63
PAGE 1 OF 1
FILE NO 2813
DATE 10-9-63

MATERIAL SETTING

CUSTOMER LOCATION

FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BLDG.
LOCATION WELL HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS ON ALLEN PARKWAY

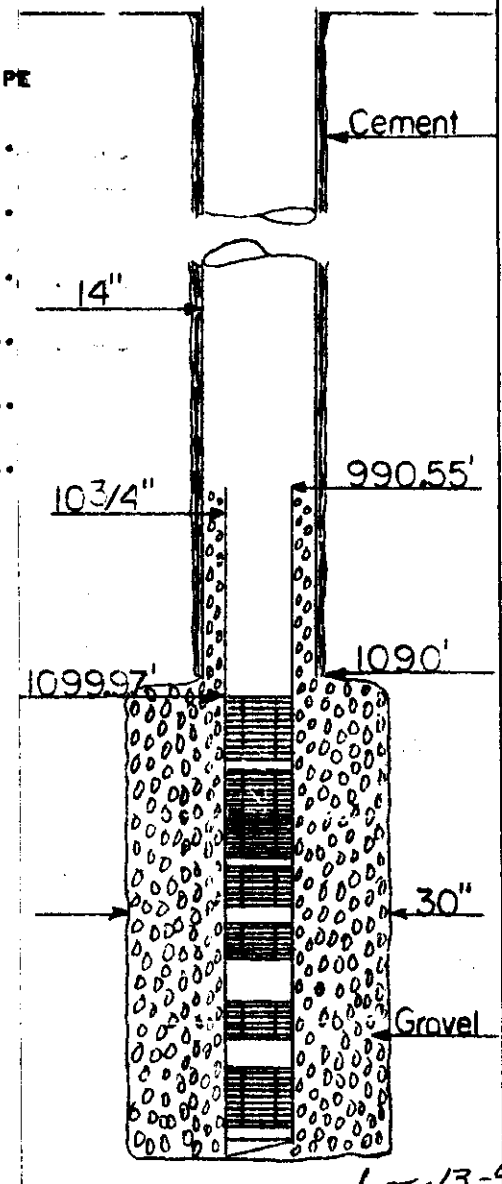
WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
TYPE WELL GRAVEL-WALL
SURFACE CASING CEMENTED YES NO. SACKS 455+8% GEL
SIZE HOLE UNDERREAMED 30" DEPTH 1337'
GRAVEL TYPE 112,13,165 NO. CU. YDS 114
& 131
TYPE SCREEN S.S. W.W. GAGE .040"
DRILLER GUY PATTON RIG NO 247
OTHER G.E. FERGUSON, F. R. WALL

DEPTH	LENGTH	SIZE. KIND. WEIGHT MATERIAL
+2'		14" O.D. SURFACE CASING 2' ABOVE GROUND
0		SURFACE
990.55'		TOP OF 8-5/8" O.D. LINER
1090'	1092'	14" O.D. SURFACE CASING .375 WALL PIPE
1099.97'	109.42'	8-5/8" O.D. BLANK LINER
1131.67'	31.70'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1134.27'	2.60'	8-5/8" O.D. BLANK PIPE
1176.52'	42.25'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1180.02'	3.50'	8-5/8" O.D. BLANK PIPE
1200.52'	20.50'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1210.44'	9.92'	8-5/8" O.D. BLANK PIPE
1230.44'	20.00'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1254.59'	24.15'	8-5/8" O.D. BLANK PIPE
1274.59'	20.00'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1293.71'	19.12'	8-5/8" O.D. BLANK PIPE
1325.00'	31.29'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1335.00'	10.00'	8-5/8" O.D. BLANK PIPE
1337.00'	2.00'	8-5/8" O.D. SET NIPPLE & B.P. VALVE

TOTAL DEPTH 1337 FT.

SKETCH



65-13-9A
TD=1337'
65-13-942

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO. 6498
2426-63
PAGE 2 OF 2
2813
10-9-63

WATER WELL TEST

CUSTOMER LOCATION

TEST FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BLDG.

LOCATION OF WELL HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

DESCRIPTION OF LAND MARKS ON ALLEN PARKWAY

WELL DATA

NAME WELL WELL NO. 1

ELEVATION DATUM

WELL SIZE 14" x 8-5/8" x 30" UR

TOTAL DEPTH 1337' TOP SCREEN 1099.97'

GRAVEL WELL YES STRAIGHT WELL

TYPE SCREEN S.S. W.W. ASL .040"

TEMPERATURE OF WATER

WATER CONDITION CLEAR

WATER MEASURING DEVICE

ORIFICE SIZE 8"x6" LENGTH 5'

OTHER

TEST PUMP DATA

DEPTH SETTING OF BOWL 390'

LENGTH AIR LINE 400' SIZE 1/4"

TYPE BOWL WMC 12" NO. STAGES 9

LENGTH BOWL SUCTION PT

SAND CONTENT OZ PER 100 GAL

WATER SAMPLE SEEN NO. SAMPLES

BACTERIOLOGICAL ANALYSIS TAKEN

DRAWDOWN SEE TEST DATA BELOW

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN	FT	20 MIN	FT
10 MIN	FT	25 MIN	FT
15 MIN	FT	30 MIN	FT

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH PRESS	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
9:30PM	84	310		24½	784		F.R.W.	
10:00	84	310		24½	784			
10:30	84	310		24½	784			
11:00	84	310		24½	784			
11:30	84	310		24½	784			
12:00 M	84	310		24½	784			
12:30 AM	84	310		24½	784		J.B.D./	10/3/63
1:00	84	310		24½	784			
1:30	84	310		24½	784			
2:00	83	311		24½	784			
2:30	83	311		24½	784			
3:00	83	311		24½	784			
3:30	83	311		24½	784			
4:00	83	311		24½	784			
4:30	83	311		24½	784			
5:00	83	311		24½	784			
5:30	83	311		24½	784			
6:00	83	311		24½	784			
6:30	83	311		24½	784			
7:00	83	311		24½	784			
7:30	83	311		24½	784			
8:00	83	311		24½	784		G.P.	

OBSERVERS

TNAD BRYANT (ARCHT. REPRESENTATIVE) FOR OWNER

GUY PATTON FOR LAYNE TEXAS CO.

65-13-9A

FORM NO. 25

65-13-942

LAYNE TEXAS COMPANY
HOUSTON -:- DALLAS
WATER WELL TEST

REPORT NO. 6498
2426-63
PAGE 1 OF 2
FILE NO. 2813
DATE 10-9-63

CUSTOMER LOCATION

TEST FOR W.S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BUILDING
LOCATION OF WELL HOUSTON
SURVEY FIELD
COUNTY HARRIS STATE TEXAS
DESCRIPTION OF LAND MARKS ON ALLEN PARKWAY

WELL DATA

NAME WELL WELL NO. 1
ELEVATION ATOM
WELL SIZE 14" x 8-5/8" x 30" UR
TOTAL DEPTH 1337' TOP SCREEN 1099.97'
GRAVEL WELL YES STRAIGHT WELL
TYPE SCREEN S.S. W.W. AGE .040"
TEMPERATURE OF WATER
WATER CONDITION CLEAR

WATER MEASURING DEVICE

ORIFICE SIZE 8"x6" LENGTH 5'
OTHER

TEST PUMP DATA

TYPE SETTING TOP OF BOWL 390'
LENGTH AIR LINE 400' SIZE 1/4"
TYPE BOWL WMC 12" NO. STAGES 9
LENGTH BOWL SUCTION LT

SAND CONTENT 0 OZ. PER 100 GAL
ACTIVE STATIC HEAD AFTER PUMP STOPPED
5 MIN 282 FT 20 MIN 280 FT
10 MIN 281 FT 25 MIN 280.5 FT
15 MIN 280 FT 30 MIN 279 FT
S.L. BEFORE START 277 FT.

WATER SAMPLE TAKEN YES NO. SAMPLES 1
BACTERIA TEMPLE TAKEN
DRAWDOWN DEPTH CAPACITY

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
10/2/63	STARTED TEST AT 8:00 A.M.							
8:30AM	85	309		24½	784		G.P.	
9:00	85	309		24½	784			
9:30	85	309		24½	784			
10:00	86	308		24	776			
10:30	86	308		24	776			
11:00	86	308		24	776			
11:30	85	309		24½	784			
12:00 N	85	309		24½	784			
12:30 PM	85	309		24½	784			
1:00	85	309		24½	784			
1:30	85	309		24½	784			
2:00	84.5	309.5		24½	784			
2:30	84	310		24½	784			
3:00	84	310		24½	784			
3:30	84	310		24½	784			
4:00	84	310		24½	784			
4:30	84	310		24½	784		F.R.W.	
5:00	84	310		24½	784			
5:30	84	310		24½	784			
6:00	84	310		24½	784			
6:30	84	310		24½	784			
7:00	84	310		24½	784			
7:30	84	310		24½	784			
8:00	84	310		24½	784			
8:30	82	310		24½	784			
9:00	84	310		24½	784			

OBSERVERS
THAD BRYANT, ARCHT. REPRESENTATIVE
FOR OWNER

GUY PATTON
FOR LAYNE TEXAS CO.

65-139A
65-13-942

FORM NO. 25

MICROBIOLOGY SERVICE LABORATORIES
analytical chemists . . . microbiologists
[redacted]
Houston 21, Texas
4820 Old Spanish Trail

RI 7-7271 ~~RI-7-9170~~

10 September 1963

To: Layne Texas Company
Houston, Texas

SO 2426-63

Sample marked: Well No. 1, W. S. Bellows Constr. Co., American General Ins. Group, Allen Parkway, Harris County, Texas. Taken: 9-5-63. Pumping at 30 gpm with Air Pump. Cone Packer at 1205'. Screened: 1213-1235'. F. R. Wall.

Rec'd: 9-6-63. Sample filtered for analysis.

WATER ANALYSIS

results in parts per million (mg/l) except as noted

Dissolved Residue at 105°C		264	Conductance, micromhos/cm, 25°C		460
Total Dissolved Solids, actual†		387	Color, units		20
Total Dissolved Solids, calc.		391	Turbidity, units		ND
Silica	SiO_2	15	As Calcium Carbonate, $CaCO_3$:		
Iron and Aluminum Oxides	R_2O_3	0	Phenolhpthalein Alkalinity		0
Calcium	Ca	25	Total Alkalinity		198
Magnesium	Mg	7	Total Hardness		93
Sodium (diff.) Na+K as	Na	69	Free Carbon Dioxide	CO_2	0
Carbonate	CO_3	0	pH . . . 8.35		
Bicarbonate	HCO_3	242	HYPOTHETICAL COMBINATIONS		
Sulfate	SO_4	7	Calcium Bicarbonate		101
			Magnesium Bicarbonate		45
Chloride	Cl	26	Sodium Bicarbonate		177
			Sodium Sulfate		11
Dissolved Iron ~~Total Iron~~	Fe	0.19	Sodium Chloride		42
			$SiO_2+R_2O_3$		15
			Total Dissolved Solids, calc.		391

† Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

Microbiology Service Laboratories

By:
Edna Wood

4090

65-13-9A
65-13-942

MICROBIOLOGY SERVICE LABORATORIES

RI-7-9170

analytical chemists . . . microbiologists

4 October 1963

[redacted]
Houston 21, Texas
4320 Old Spanish Trail

To: Layne Texas Company
Houston, Texas

S.O. No. 2426-63

Sample Marked: Well No. 1, American General Insurance Group, Harris Cty, Texas
Taken: 10-3-63 after 24 hrs pumping at 784 gpm with Layne pump. Static Head: 277'
Pumping Level: 311'. Screened: 1110-1325'. Guy Patton.

Received: 10-3-63

WATER ANALYSIS

results in parts per million (mg/l) except as noted

Dissolved Residue at 105°C		269	Conductance, micromhos/cm, 25°C		475
Total Dissolved Solids, actual†		394	Color, units		5
Total Dissolved Solids, calc.		391	Turbidity, units		0
Silica	SiO_2	13	As Calcium Carbonate, $CaCO_3$:		
Iron and Aluminum Oxides	R_2O_3	2	Phenolhpthalein Alkalinity		0
Calcium	Ca	22	Total Alkalinity		202
Magnesium	Mg	7	Total Hardness		82
Sodium (diff.) Na+K as	Na	73	Free Carbon Dioxide	CO_2	6
Carbonate	CO_3	0	pH . . . 7.8		
Bicarbonate	HCO_3	246	HYPOTHETICAL COMBINATIONS		
Sulfate	SO_4	2	Calcium Bicarbonate		89
Chloride	Cl	26	Magnesium Bicarbonate		40
Total Iron	Fe	0.14	Sodium Bicarbonate		201
			Sodium Sulfate		3
			Sodium Chloride		43
			$SiO_2 + R_2O_3$		15
			Total Dissolved Solids, calc.		391

† Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

Microbiology Service Laboratories

By: Edna Wood

4117

65-13-9A

65-13-942

65-13-9a

FORM NO. 28

LAYNE TEXAS COMPANY,

HOUSTON -:- DALLAS

WELL LOG

REPORT NO 6496
S. O. 2426-63
PAGE 1 OF 2
FILE NO. 2813
DATE 10-9-63

CUSTOMER LOCATION

FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BUILDING
LOCATION WELL HOUSTON
SURVEY FIELD
COUNTY HARRIS STATE TEXAS
OTHER LAND MARKS ON ALLEN PARKWAY

WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
RT C GR
TEST HOLE SIZE 9-7/8" & 6-1/4" TD 1402'
DATE STARTED DRILLING 8-28-63
DATE FINISHED DRILLING 9-3-63
DRILLER GUY PATTON RIG NO. 247
TYPE MUD GEL & CLAY NO. SACKS 12
ELECTRIC LOG YES TYPE SCHLUMBERGER
SURVEY EASTMAN TYPE SINGLE-SHOT
OTHER

OK

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		SURFACE			
16	16	CLAY			
21	5	SAND			
27	6	CLAY			
35	8	SAND & SANDY CLAY			
50	15	CLAY & SAND STREAKS			
89	39	CLAY & HARD STREAKS			
112	23	SANDY SHALE			
131	19	SAND			
142	11	SANDY SHALE & SAND STREAKS			
164	22	SAND & SHALE LAYERS			
196	32	SHALE & SANDY SHALE			
210	14	SAND & SANDY SHALE			
224	14	SANDY SHALE			
237	13	SAND			
307	70	SHALE			
321	14	FINE SAND			
332	11	SHALE			
360	28	SAND			
385	25	SAND & STREAKS OF SHALE			
411	26	SHALE			
477	66	SAND (CUT GOOD)			
511	34	SAND & STREAKS OF SHALE			
531	20	SAND (CUT GOOD)			
536	5	SHALE			
570	34	SAND (CUT GOOD)			
662	92	SHALE			
672	10	SANDY SHALE & SAND STREAKS			
691	19	SAND & SANDY SHALE			
789	98	SHALE & SAND STREAKS			
803	14	SAND			
823	20	SANDY SHALE & SAND STREAKS			
830	7	SAND			
838	8	SHALE			
869	31	SAND			
932	63	SAND & SHALE BREAKS			
980	48	SHALE			
1004	24	SAND			
1023	19	SHALE & SAND STREAKS			

65-13-9a

65-13-9a

FORM NO. 28

LAYNE TEXAS COMPANY,

HOUSTON -:- DALLAS

WELL LOG

REPORT NO. 6496
S. O. 2426-63
PAGE 2 OF 2
FILE NO. 2813
DATE 10-9-63

CUSTOMER LOCATION

FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BLDG.
LOCATION WELL HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS ON ALLEN PARKWAY

WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
RT C GR
TEST HOLE SIZE 9-7/8" & 6-1/4" TD 1402'
DATE STARTED DRILLING 8-28-63
DATE FINISHED DRILLING 9-3-63
DRILLER GUY PATTON RIG NO. 247
TYPE MUD GEL & CLAY NO. SACKS 12
ELECTRIC LOG YES TYPE SCHLUMBERGER
SURVEY EASTMAN TYPE SINGLE-SHOT
OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
1023					
1038	15	SAND			
1062	24	SHALE			
1065	3	SAND			
1097	32	SHALE			
1138	41	SAND			
1154	16	SANDY SHALE			
1190	36	SAND & SHALE STREAKS			
1208	18	SHALE			
1244	36	SAND			
1255	11	SHALE			
1268	13	SAND			
1298	30	SHALE			
1326	28	SAND & SHALE STREAKS			
1351	25	SHALE			
1363	12	SAND			
1368	5	SANDY SHALE			
1398	30	SAND (CUT GOOD)			
1402	4	SANDY SHALE			

TOTAL DEPTH 1402 FT.

65-13-94 65-13-94

FORM NO. 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO 6497
S O 2426-63
PAGE 1 OF 1
FILE NO 2813
DATE 10-9-63

MATERIAL SETTING

CUSTOMER LOCATION

FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BLDG.
LOCATION WELL HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS ON ALLEN PARKWAY

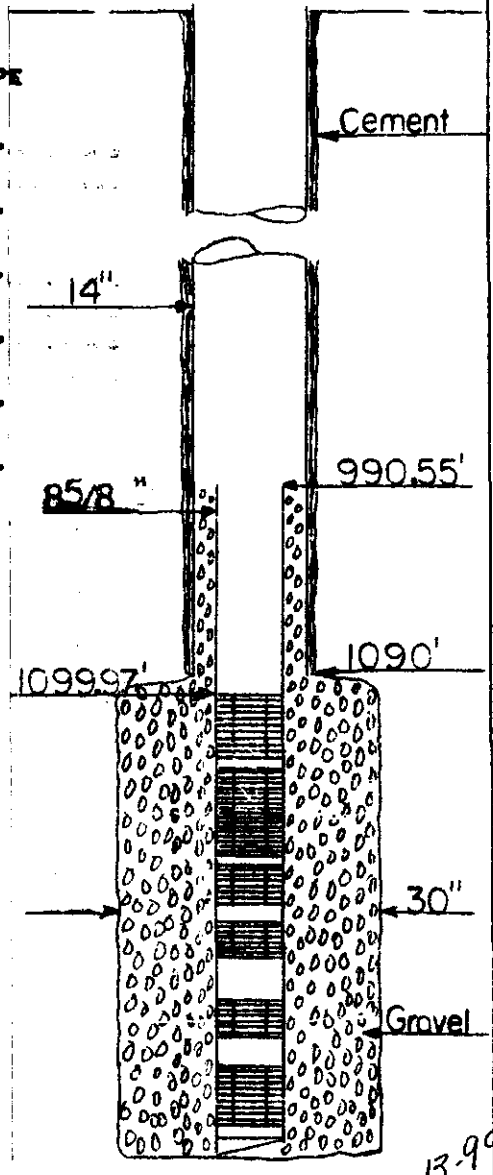
WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
TYPE WELL GRAVEL-WALL
SURFACE CASING CEMENTED YES NO. SACKS 455+8% GEL
SIZE HOLE UNDERREAMED 30" DEPTH 1337'
GRAVEL TYPE 112,13,165 NO. CU. YDS. 114
TYPE SCREEN S.S. W.W. GAGE .040"
DRILLER GUY PATTON RIG NO. 247
OTHER G.E. FERGUSON, F. R. WALL

DEPTH	LENGTH	SIZE. KIND. WEIGHT MATERIAL
+2'		14" O.D. SURFACE CASING 2' ABOVE GROUND
0		SURFACE
990.55'		TOP OF 8-5/8" O.D. LINER
1090'	1092'	14" O.D. SURFACE CASING .375 WALL PIPE
1099.97'	109.42'	8-5/8" O.D. BLANK LINER
1131.67'	31.70'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1134.27'	2.60'	8-5/8" O.D. BLANK PIPE
1176.52'	42.25'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1180.02'	3.50'	8-5/8" O.D. BLANK PIPE
1200.52'	20.50'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1210.44'	9.92'	8-5/8" O.D. BLANK PIPE
1230.44'	20.00'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1254.59'	24.15'	8-5/8" O.D. BLANK PIPE
1274.59'	20.00'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1293.71'	19.12'	8-5/8" O.D. BLANK PIPE
1325.00'	31.29'	8-5/8" O.D. S.S. W.W. SCREEN .040 GA.
1335.00'	10.00'	8-5/8" O.D. BLANK PIPE
1337.00'	2.00'	8-5/8" O.D. SET NIPPLE & B.P. VALVE

TOTAL DEPTH 1337 FT.

SKETCH



T.D.=1337'
65-13-942

REPORT NO 6498
S O 2426-63
PAGE 2 OF 2
FILE NO 2813
DATE 10-9-63

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WATER WELL TEST

CUSTOMER LOCATION

TEST FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BLDG.

LOCATION OF WELL HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

DESCRIPTION OF LAND MARKS ON ALLEN PARKWAY

WELL DATA

NAME WELL WELL NO 1

ELEVATION DATUM

WELL SIZE 14" x 8-5/8" x 30" UR

TOTAL DEPTH 1337' TOP SCREEN 1099.97'

GRAVEL WELL YES STRAIGHT WELL

TYPE SCREEN S.S. W.W. GAGE .040"

TEMPERATURE OF WATER

WATER CONDITION CLEAR

WATER MEASURING DEVICE

ORIFICE SIZE 8"x6" LENGTH 5'

OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 390'

LENGTH AIR LINE 400' SIZE 1/4"

TYPE BOWL WMC 12" NO STAGES 9

LENGTH BOWL SUCTION LT

SAND CONTENT OZ. PER 100 GAL

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN	FT.	20 MIN.	FT.
10 MIN.	FT.	25 MIN.	FT.
15 MIN	FT.	30 MIN.	FT.

WATER SAMPLE TAKEN NO SAMPLES

BACTERIOLOGICAL SAMPLE TAKEN

DRAWDOWN SPECIFIC CAPACITY

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH PRESS	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
9:30PM	84	310		24½	784		F.R.W.	
10:00	84	310		24½	784			
10:30	84	310		24½	784			
11:00	84	310		24½	784			
11:30	84	310		24½	784			
12:00 M	84	310		24½	784			10/3/63
12:30 AM	84	310		24½	784		J.B.D.	
1:00	84	310		24½	784			
1:30	84	310		24½	784			
2:00	83	311		24½	784			
2:30	83	311		24½	784			
3:00	83	311		24½	784			
3:30	83	311		24½	784			
4:00	83	311		24½	784			
4:30	83	311		24½	784			
5:00	83	311		24½	784			
5:30	83	311		24½	784			
6:00	83	311		24½	784			
6:30	83	311		24½	784			
7:00	83	311		24½	784			
7:30	83	311		24½	784			
8:00	83	311		24½	784		G.P.	

OBSERVERS

THAD BRYANT (ARCHT. REPRESENTATIVE) FOR OWNER

GUY PATTON FOR LAYNE TEXAS CO.

65-13-942

FORM NO. 25 -

65-13-942

REPORT NO 6498
S.O. 2426-63
PAGE 1 OR 2
FILE NO 2813
DATE 10-9-63

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WATER WELL TEST

CUSTOMER LOCATION

TEST FOR W.S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BUILDING
LOCATION OF WELL HOUSTON
SURVEY FIELD
COUNTY HARRIS STATE TEXAS
DESCRIPTION OF LAND MARKS ON ALLEN PARKWAY

WELL DATA

NAME WELL WELL NO 1
ELEVATION DATUM
WELL SIZE 14" - 8-5/8" x 30" UR
TOTAL DEPTH 1337' TOP SCREEN 1099.97'
GRAVEL WELL YES STRAIGHT WELL
TYPE SCREEN S.S. W.W. GAGE .040"
TEMPERATURE OF WATER
WATER CONDITION CLEAR

WATER MEASURING DEVICE

ORIFICE SIZE 8"x6" LENGTH 5'
OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 390'
LENGTH AIR LINE 400' SIZE 1/4"
TYPE BOWL WMC 12" NO STAGES 9
LENGTH BOWL SUCTION LT

SAND CONTENT 0 OZ. PER 100 GAL.
WATER SAMPLE TAKEN YES NO SAMPLES 1
BACTERIOLOGICAL SAMPLE TAKEN

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN. 282	FT	20 MIN 280	FT
10 MIN 281	FT.	25 MIN 280.5	FT
15 MIN 280	FT	30 MIN 279	FT

S.L. BEFORE START 277 FT.

DRAWDOWN SPECIFIC CAPACITY

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
10/2/63	STARTED TEST AT 8:00 A.M.							
8:30AM	85	309		24½	784		G.P.	
9:00	85	309		24½	784			
9:30	85	309		24½	784			
10:00	86	308		24	776			
10:30	86	308		24	776			
11:00	86	308		24	776			
11:30	85	309		24½	784			
12:00 N	85	309		24½	784			
12:30 PM	85	309		24½	784			
1:00	85	309		24½	784			
1:30	85	309		24½	784			
2:00	84.5	309.5		24½	784			
2:30	84	310		24½	784			
3:00	84	310		24½	784			
3:30	84	310		24½	784			
4:00	84	310		24½	784			
4:30	84	310		24½	784		F.R.W.	
5:00	84	310		24½	784			
5:30	84	310		24½	784			
6:00	84	310		24½	784			
6:30	84	310		24½	784			
7:00	84	310		24½	784			
7:30	84	310		24½	784			
8:00	84	310		24½	784			
8:30	82	310		24½	784			
9:00	84	310		24½	784			

OBSERVERS
THAD BRYANT, ARCHT. REPRESENTATIVE FOR OWNER
GUY PATTON FOR LAYNE TEXAS CO.

65-13-9a

FORM NO. 25

65-13-992

MICROBIOLOGY SERVICE LABORATORIES

RI-7-9170

analytical chemists . . . microbiologists

4 October 1963

[redacted]
Houston 21, Texas
4820 Old Spanish Trail

To: Layne Texas Company
Houston, Texas

S.O. No. 2426--63

Sample Marked: Well No. 1, American General Insurance Group, Harris Cty, Texas
Taken: 10-3-63 after 24 hrs pumping at 784 gpm with Layne pump. Static Head:277'
Pumping Level: 311'. Screened: 1110-1325'. Guy Patton.

Received: 10-3-63

WATER ANALYSIS

results in parts per million (mg/l) except as noted

Dissolved Residue at 105°C		269	Conductance, micromhos/cm, 25°C		475
Total Dissolved Solids, actual†		394	Color, units		5
Total Dissolved Solids, calc.		391	Turbidity, units		0
Silica	SiO_2	13	As Calcium Carbonate, $CaCO_3$:		
Iron and Aluminum Oxides	R_2O_3	2	Phenolhpthalein Alkalinity		0
Calcium	Ca	22	Total Alkalinity		202
Magnesium	Mg	7	Total Hardness		82
Sodium (diff.) Na+K as	Na	73	Free Carbon Dioxide	CO_2	6
Carbonate	CO_3	0	pH . . . 7.8		
Bicarbonate	HCO_3	246	HYPOTHETICAL COMBINATIONS		
Sulfate	SO_4	2	Calcium Bicarbonate		89
			Magnesium Bicarbonate		40
Chloride	Cl	26	Sodium Bicarbonate		201
			Sodium Sulfate		3
Total Iron	Fe	0.14	Sodium Chloride		43
			$SiO_2 + R_2O_3$		15
			Total Dissolved Solids, calc.		391

† Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

Microbiology Service Laboratories

By: Edna Wood

4117

65-13-9a
65-13-942

FORM NO. 28

LAYNE TEXAS COMPANY.

HOUSTON -:- DALLAS

WELL LOG

REPORT NO 6496
S O 2426-63
PAGE 2 OF 2
FILE NO 2813
DATE 10-9-63

CUSTOMER LOCATION

FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BLDG.
LOCATION WELL HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS ON ALLEN PARKWAY

WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
RT GR
TEST HOLE SIZE 9-7/8" & 6-1/4" TD 1402'
DATE STARTED DRILLING 8-28-63
DATE FINISHED DRILLING 9- 3-63
DRILLER GUY PATTON RIG NO 247
TYPE MUD GEL & CLAY NO SACKS 12
ELECTRIC LOG YES TYPE SCHLUMBERGER
SURVEY EASTMAN TYPE SINGLE-SHOT
OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
1023					
1038	15	SAND			
1062	24	SHALE			
1065	3	SAND			
1097	32	SHALE			
1138	41	SAND			
1154	16	SANDY SHALE			
1190	36	SAND & SHALE STREAKS			
1208	18	SHALE			
1244	36	SAND			
1255	11	SHALE			
1268	13	SAND			
1298	30	SHALE			
1326	28	SAND & SHALE STREAKS			
1351	25	SHALE			
1363	12	SAND			
1368	5	SANDY SHALE			
1398	30	SAND (CUT GOOD)			
1402	4	SANDY SHALE			

TOTAL DEPTH 1402 FT.

4 pages
2 ~~page~~
attach
65-13-942

65-13-942

State 65-13-24 65-13-9a

FORM NO. 28

LAYNE TEXAS COMPANY.

HOUSTON -:- DALLAS

REPORT NO 6496
S O 2426-63
PAGE 1 OF 2
FILE NO 2813
DATE 10-9-63

WELL LOG

CUSTOMER LOCATION

FOR W. S. BELLOWS CONSTRUCTION CO. FOR AMERICAN GENERAL INSURANCE BUILDING

LOCATION WELL HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS ON ALLEN PARKWAY

CK

WELL DATA

NAME WELL WELL NO 1

ELEVATION DATUM

RT G 6-1/4" GR

TEST HOLE SIZE 9-7/8" & TD 1402'

DATE STARTED DRILLING 8-28-63

DATE FINISHED DRILLING 9-3-63

DRILLER GUY PATTON RIG NO. 247

TYPE MUD GEL & CLAY NO SACKS 12

ELECTRIC LOG YES TYPE SCHLUMBERGER

SURVEY EASTMAN TYPE SINGLE-SHOT

OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		SURFACE			
16	16	CLAY			
21	5	SAND			
27	6	CLAY			
35	8	SAND & SANDY CLAY			
50	15	CLAY & SAND STREAKS			
89	39	CLAY & HARD STREAKS			
112	23	SANDY SHALE			
131	19	SAND			
142	11	SANDY SHALE & SAND STREAKS			
164	22	SAND & SHALE LAYERS			
196	32	SHALE & SANDY SHALE			
210	14	SAND & SANDY SHALE			
224	14	SANDY SHALE			
237	13	SAND			
307	70	SHALE			
321	14	FINE SAND			
332	11	SHALE			
360	28	SAND			
385	25	SAND & STREAKS OF SHALE			
411	26	SHALE			
477	66	SAND (CUT GOOD)			
511	34	SAND & STREAKS OF SHALE			
531	20	SAND (CUT GOOD)			
536	5	SHALE			
570	34	SAND (CUT GOOD)			
662	92	SHALE			
672	10	SANDY SHALE & SAND STREAKS			
691	19	SAND & SANDY SHALE			
789	98	SHALE & SAND STREAKS			
803	14	SAND			
823	20	SANDY SHALE & SAND STREAKS			
830	7	SAND			
838	8	SHALE			
869	31	SAND			
932	63	SAND & SHALE BREAKS			
980	48	SHALE			
1004	24	SAND			
1023	19	SHALE & SAND STREAKS			

934

65-13-942

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-942

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513942
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.761112
Latitude (degrees minutes seconds)	29° 45' 40" N
Longitude (decimal degrees)	-95.393611
Longitude (degrees minutes seconds)	095° 23' 37" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	12
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	1337
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1963
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	American General Ins.
Driller	Layne - Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Lower Chicot Project No. _____ State Well No. 65-13-943

_____ Field No./Owner's Well No. _____ County HARRIS

1. Location: ___¼, ___¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: Cook Paint & Varnish Address: _____

Tenant (other): _____ Address: _____

Driller: Layne Texas Address: _____

3. Land Surface Elevation: 56 ft. above msl determined by _____

4. Drilled: 1-14 19 65; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 502 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type T

No. Stages _____, Bowls Diam. ____ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel E HP. 40

9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. _____ Date ____

10. Performance Test: Date 1/23/65 Length of Test _____ Made by C-T

Static Level 150 ft. Pumping Level ____ ft. Drawdown 27 ft.

Production 357 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory Edna Wood TDS ____ Sp Cond _____

Date _____ Laboratory _____ TDS ____ Sp Cond _____

12. Other data available (as circled): Pumping Test, Power & Yield Test, (Drillers Log), Formation Samples, Geophysical Log(s) Q1531 (type)

CASING, BLANK PIPE & WELL SCREEN
Cemented From ____ ft. to ____ ft.

Diam. (in.)	Type	Setting (feet) from	to
14			220
8			502

13. Water Level(s): _____ ft. rept. meas. _____ 19 ___ above below _____ which is ____ ft. above below Land Surface

_____ ft. rept. meas. _____ 19 ___ above below _____ which is ____ ft. above below Land Surface

14. Use: Dom., Stock, Public Supply, (Ind), Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

17. Location or Sketch:

Q 1531

W/L Obs. Well ___ W/Q Obs. Well

State Well No. 65-13-943

TDWR-0308

REPORT NO. 6931
S. O. 2044-64
PAGE 1 OF 1
FILE NO 2914
DATE 1/27/65

LAYNE TEXAS COMPANY

HOUSTON - DALLAS

WATER WELL TEST

CUSTOMER LOCATION

TEST FOR COOK PAINT & VARNISH COMPANY

LOCATION OF WELL HOUSTON PLANT

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

DESCRIPTION OF LAND MARKS

2519 CROCKETT ST.

WELL DATA

NAME WELL WELL NO 3

ELEVATION DATUM

WELL SIZE 14" x 8-5/8" x 24" U.R.

TOTAL DEPTH 502' TOP SCREEN 245'

GRAVEL WELL STRAIGHT WELL

TYPE SCREEN S.S. W.W. GAGE .040"

TEMPERATURE OF WATER

WATER CONDITION CLEAR & FREE OF SAND

WATER MEASURING DEVICE

ORIFICE SIZE 6"x4" LENGTH 80'

OTHER FROM PUMP

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 200'

LENGTH AIR LINE 200' SIZE 1/4"

TYPE BOWL SKHC 8" NO. STAGES 13

LENGTH BOWL SUCTION LT. NONE

SAND CONTENT OZ PER 100 GAL

WATER SAMPLE TAKEN NO. SAMPLES

ACTIVE STATIC HEAD AFTER PUMP STOPPED

BACTERIOLOGICAL SAMPLE TAKEN

5 MIN	151 FT	20 MIN	150 FT
10 MIN	150 FT	25 MIN	149 FT
15 MIN	150 FT	30 MIN	149 FT

DRAWDOWN SPECIFIC CAPACITY

S.L. BEFORE START 150 FT.

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH PRESS	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
1/23/65 - STARTED TEST AT 9:30 A.M.								
9:30 AM	21	179		32.5	360			
10:00	22	178		32.5	360			
10:30	23	177		32.5	360			
11:00	23	177		32.5	360			
11:30	23	177		32	357			
12:00 N	23	177		32	357			
12:30 PM	23	177		32	357			
1:00	23	177		32	357			
1:30	23	177		32	357			
2:00	23	177		32	357			
2:30	23	177		32	357			
3:00	23	177		32	357			
3:30	23	177		32	357			
4:00	23	177		32	357			
5:00	23	177		32	357			
5:30	23	177		32	357			

65-13-943

OBSERVERS

B. R. TUCKER FOR OWNER

JAKE HODGES FOR LAYNE TEXAS CO.

65-13-9F

FORM NO 25 -

Q-1531

FORM N 28

LAYNE TEXAS COMPANY.

HOUSTON -:- DALLAS

REPORT NO 6929
S O 2044-64
PAGE 1 OF
FILE NO 2914
DATE 1/20/65

WELL LOG

CUSTOMER LOCATION		WELL DATA	
FOR	COOK PAINT & VARNISH COMPANY	NAME WELL	WELL NO. 2
LOCATION WELL	2519 CROCKETT	ELEVATION	DATUM
SURVEY	FIELD	RT	GR
COUNTY	HARRIS STATE TEXAS	TEST HOLE SIZE	12¼" TD 500'
OTHER LAND MARKS		DATE STARTED DRILLING	1-12-65
		DATE FINISHED DRILLING	1-14-65
		DRILLER	J. HODGES RIG NO 7
		TYPE MUD	GEL NO SACKS 4
		ELECTRIC LOG	YES TYPE WIDCO
		SURVEY	YES TYPE EASTMAN
		OTHER	

OK

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0	2	SURFACE SOIL			
35	33	CLAY & STREAKS OF SAND			
52	17	CLAY & SANDY CLAY			
53	1	BOULDER			
98	45	CLAY & SANDY CLAY			
115	17	SAND			
131	16	SAND & SANDY CLAY			
193	62	LAYERS OF CLAY & SANDY CLAY			
194	1	BOULDERS			
202	8	SANDY CLAY & SAND			
205	3	BOULDERS			
244	39	SHALE & STREAKS OF SANDY GRAVEL			
254	10	SAND & GRAVEL			
293	39	SHALE & STREAKS OF SAND			
374	81	SHALE & SANDY SHALE, SAND BREAKS			
386	12	SAND & SANDY SHALE			
406	20	SHALE & SANDY SHALE			
450	44	SAND & FEW SHALE BREAKS			
457	7	SAND-SHALE			
487	30	SAND & FEW BREAKS SANDY SHALE			
502	15	SANDY SHALE & SHALE			

TOTAL DEPTH 502 FEET

65-13-943

Q-1531

FORM NO. 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

MATERIAL SETTING

REPORT NO. 6930
S. O. 2044-64
PAGE 1 OF 1
FILE NO. 2914
DATE 1/27/65

CUSTOMER LOCATION

FOR Cook Paint & Varnish Company

LOCATION WELL Houston Plant

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS 2519 Crockett Street

WELL DATA

NAME WELL WELL NO. 3

ELEVATION DATUM

TYPE WELL Gravel-wall

SURFACE CASING CEMENTED Yes NO. SACKS 90

SIZE HOLE UNDERREAMED 24" DEPTH 220-502'

GRAVEL TYPE 112-13-165 NO. CU. YDS. 48

TYPE SCREEN S.S. W.W. GAGE .040"

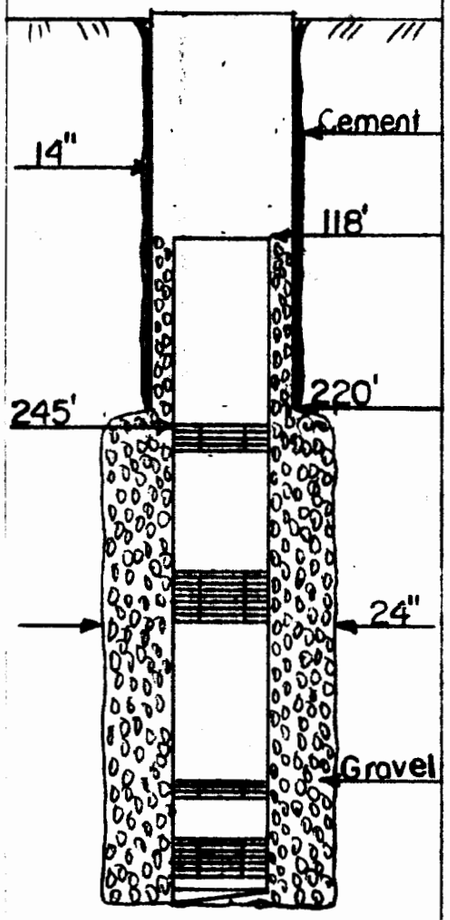
DRILLER J. Hodges RIG NO. 7

OTHER B. Tolley, C. Brewer

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL
+1'		14" OD set one foot above surface
0		Surface
118'		Top of 8-5/8" O.D. lap
220'	221'	14" O.D. surface casing 45.68#
229'	111'	8-5/8" O.D. blank
245'	16'	8-5/8"OD S.S. W.W. screen, .040" ga.
310'	65'	8-5/8" O.D. blank
336'	26'	8-5/8" OD S.S. W.W. screen, .040" ga.
430'	94'	8-5/8" O.D. blank
440'	10'	8-5/8"OD S.S. W.W. screen, .040" ga.
465'	25'	8-5/8" O.D. blank
486'	21'	8-5/8"OD S.S. W.W. screen, .040" ga.
500'	14'	8-5/8" O.D. blank
502'	2'	8-5/8"OD back pressure valve and set nipple

Total depth 502 ft.

SKETCH



T.D.-502'

65-13-943

65-13-9F

Q-153

MICROBIOLOGY SERVICE LABORATORIES

water technologists . . chemists . . microbiologists

27 January 1965

To: Layne Texas Company
P. O. Box 9098
Houston, Texas 77011

SO 2044-64

Sample marked: Sample No. 1, Well No. 3, Cooks Paint & Varnish, Houston, Harris Cty, Texas. Taken: 1-23-65 after 7 hours pumping at 357 gpm with Test Pump. Static Head: 150'. Pumping Level: 177'. Screened: 229-486'. Clear & free of sand. B. F. Tolley

Received: 1-26-65

WATER ANALYSIS

results in parts per million (mg/1) except as noted

Dissolved Residue at 105°C		366	Conductance, micromhos/cm, 25°C		648
Total Dissolved Solids, actual†		517	Color, units		0
Total Dissolved Solids, calc.		510	Turbidity, units		0
Silica	SiO_3	17	As Calcium Carbonate, $CaCO_3$:		
Iron and Aluminum Oxides	R_2O_3	0	Phenolphthalein Alkalinity		0
Calcium	Ca	71	Total Alkalinity		244
Magnesium	Mg	12	Total Hardness		228
Sodium (diff.) Na + K as	Na	48	Free Carbon Dioxide	CO_2	26
Carbonate	CO_3	0	pH . . . 7.26		
Bicarbonate	HCO_3	298	**HYPOTHETICAL COMBINATIONS**		
Sulfate	SO_4	2	Calcium Bicarbonate		287
Chloride	Cl	60	Magnesium Bicarbonate		75
Total Iron	Fe	0.06	Sodium Bicarbonate		27
o-Phosphate	PO_4	0.75	Sodium Sulfate		2
Nitrate	NO_3	1.3	Sodium Chloride		99
			Sodium Phosphate		1
			Sodium Nitrate		2
			$SiO_2 + R_2O_3$		17
			Total Dissolved Solids, calc.		510

†Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

65-13-943

Microbiology Service Laboratories

By: Edna Wood
Edna Wood

65-13-9F

4796

Q-1531

817-7271 • P. O. BOX 14171 • 4820 OLD SPANISH TRAIL • HOUSTON, TEXAS 77021

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-943

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513943
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.773889
Latitude (degrees minutes seconds)	29° 46' 26" N
Longitude (decimal degrees)	-95.388334
Longitude (degrees minutes seconds)	095° 23' 18" W
Coordinate Source	+/- 1 Second
Aquifer Code	112GLFC - Gulf Coast Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	502
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	1/14/1965
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Cook Paint & Varnish
Driller	Layne - Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-13-944

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by McAdoo | Source of data TWDB | Date 10-18-66 | Map Houston Heights 1955 1:24000

State Texas [48] | County (or town) Harris [LJ]

Latitude: 29 deg 45 min 41 sec N | Longitude: 095 degrees 23 min 29 sec W | Sequential number: 1

Lat-long accuracy: 1 | T. N | S. R E | W. Sec , , ,

Local well number: LJ-65-13-944 | Other number: B & M C-22

Local use: | Owner or name: City of Houston

Owner or name: CITY OF HOUSTON | Address: Central Plant.

Ownership: (C) County, (F) Fed Gov't, (M) Muny, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data 1 | Freq. W/L meas.: Annual 1964 — A | Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 3-17-66 A | Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: Drillers Log (0-1915) E-Log T-44 — DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD | Depth well: 1644 ft | 1644 Meas. (reg) Driller accuracy — 3

Depth cased: (first perf.) 700 ft | 700 | Casing type: S ; Diam. 24-14 in — 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: 3-8-66 | 966 | Pump intake setting: ft

Driller: Layne Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T | Deep / Shallow — D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. | 5 | Trans. or meter no.

Descrip. MP Meas. Pipe +4.5 ft above/below LSD. Alt. MP

Alt. LSD: 32 | 32 | Accuracy: (source) Topo 5' — 3

Water Level 334.58 ft above/below MP; Ft above/below LSD | 334 | Accuracy: Meas.

Date meas: 9-30-68 | 968 | Yield: 2160 gpm | 2160 | Method determined

Drawdown: 40.3 ft | 40 | Accuracy: Meas | Pumping period 18 hrs | 18

QUALITY OF WATER DATA: Iron ppm | Sulfate ppm | Chloride ppm | Hard. ppm

Sp. Conduct K x 10^6 | Temp. °F | Date sampled

Taste, color, etc.

one hr. static.

379.4
339.1
40.3

Q606

Well No. LJ-65-13-944

Well No. LJ-65-13-944

Latitude-longitude 29 , 45 , 41 (N) S 095 , 23 , 29 .1
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: coastal Plain [0 3] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [5 1 R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31)

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 473 ft [4 7 3] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: * 700-1630 14" SSWW .045 ga.

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

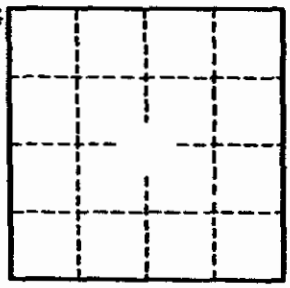
Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: ✓ 150,000 gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: — gpd/ft^2; Spec cap: 1 hr. 53.6 gpm/ft; Number of geologic cards: _____ [ ] (79)

* screen
699.8 - 739.4
749.7 - 779.5
799.8 - 819.5
885. - 919.6
974.9 - 999.7
1099.9 - 1134.4
1149.9 - 1179.5
1199.9 - 1254.7
1270.1 - 1330
1355.3 - 1390
1410.3 - 1450.1
1500.4 - 1540
1600.4 - 1630

csg:
24" - 0 - 700' cem*
14" 525 - 1644'
30" underreamed Gravel Wall.



Well No. LJ-65-13-944

GPO 857-700

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017562

Latitude ° ' " | Longitude ° ' " | Seq. No.

7 4 5 4 1 | 0 9 5 2 3 2 9 | 0 1

County code 201 County Harris

Well # LJ-65-13-944

Project number 4645-01000

Date 2-11-76 Time — Temp°C 27.0

Owner City of Houston

Address Central C-22

Date drld — WBF code 121 EVGL

Sample interval: (top) 700 (bottom) 1630

Water level — Appr clear Use PS

Collector Wettel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll top on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform | Phenols | Minors

Nutrients | MBAS | BOD | TOC | DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 | Station identification number 2 9 4 5 4 1 0 9 5 2 3 2 9 0 1 (1 | 2–9 | 10–16)

Y M D: 7 6 0 2 1 1 (17 Begin 22)

Time of measurement: ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	7 2 0 0 8			
Yield (GPM)	0 0 0 5 9			
Sample interval TOP	7 2 0 1 5	7 0 0 0	0 3	
Sample interval BOTTOM	7 2 0 1 6	1 6 3 0	0 4	
Water level	7 2 0 1 9			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	7 2 0 0 4				
DO (mg/l)	0 0 3 0 0				
DO % Sat.	0 0 3 0 1				
Temp °C	0 0 0 1 0	2 7 0 0	0 2		27.0
pH	0 0 4 0 0	8 0 0 0	0 1		8.0
Specific conductance	0 0 0 9 5	5 1 9 0	0 3		519
HCO_3	0 0 4 4 0	2 5 3 0	0 3		253
CO_3	0 0 4 4 5	0 0 0 0	0 1		0
Chloride (Cl)	0 0 9 4 0	3 4 0 0	0 2		34
Sulfate (SO_4)	0 0 9 4 5	1 4 0 0	0 2		14
Color	0 0 0 8 0				
Coliform, membrane filter	3 1 5 0 1				
Coliform, fecal	3 1 6 1 6				
Strep-tococci	3 1 6 7 9				
BOD	0 0 3 1 0				

948

(11-71)

Water Resources Division
Austin, Texas

Latitude	Longitude	Seq. No.
29 45 41	095 23 29	01

County code 201 County Harris

Well # LJ-65-13-944

Project number 5-4648-01000

Date 2-13-75 Time _____ Temp°C 26.0

Owner City of Houston

Address Central #22

Date drld 3-8-66 WBF code 121EVCL

Sample interval: (top) 700 (bottom) 1630

Water level _____ Appr _____ Use PS

Collector Naftel Yield _____ GPM

Smpld aftr pmpg or arrival Depth 1644

Pt of coll faucet on pipe

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I+60f

Other _____

Herbicide _____ Insecticide _____

Remarks:

Type 2 (1) Station identification number 29454109523290 1 (2–16)

Y M D: 75 02 13 (17 Begin 22)

Time of measurement: (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1644	04	
Yield (GFM)	00059			
Sample interval TOP	72015	7000	03	
Sample interval BOTTOM	72016	1630	04	

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	26.0K			
pH	00400	7500	01		7.5
Specific conductance	00095	5030	03		503
HCO_3	00440	2400	03		24
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3300	02	up 3	33
Sulfate (SO_4)	00945	1600	02		16
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Austin, Texas

019978

Latitude ° ' "	Longitude ° ' "	Seq. No.
294541	0952329	01

unty code 101 County HARRIS

Well # LJ 65-13-944

Project number T4648-01000

Date 9-23-76 Time 1000 Temp°C 27.0

Owner CITY OF HOUSTON

Address CENTRAL #22

Date drld 3-08-66 WBF code EVGL

Sample interval: (top) 700' (bottom) 1630

Water level 400.67 Appr CLEAN Use PS

Collector BEZANT Yield — GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON DISCHARGE

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

d chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294541095232901 (2–16)

Y M D 76 09 23 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7000	03	
Sample interval BOTTOM	72016	1630	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7800	01		7.8
Specific conductance	00095	5000	03		500
HCO_3	00440	2640	03		264
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3300	02		33
Sulfate (SO_4)	00945	1400	02		14
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

950

(11 ...)

Water Resources Division
Austin, Texas

020974

Latitude ° ' "	Longitude ° ' "	Seq. No.
294541	0952329	01

County code 201 County HARRIS

Well # LJ-65-13-944

Project number 7-4648-01000

Date 2-10-77 Time — Temp°C 27.0

Owner CITY OF HOUSTON

Address CENTRAL C-22

Date drld — WBF code 121 Evgl

Sample interval: (top) 700 (bottom) 1630

Water level — Appr CLEAR Use PS

Collector D. BUTLER Yield — GPM

Smpld aftr pmpg _____ Depth —

Pt of coll TAP ON DISCHARGE

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule _____

Other I

Herbicide _____ Insecticide _____

Remarks:

Type 2 (1) Station identification number 294541095232901 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7000	03	
Sample interval BOTTOM	72016	1630	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7800	01		7.8
Specific conductance	00095	5210	03		52
HCO_3	00440	2500	03		25
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3700	02		37
Sulfate (SO_4)	00945	1100	02		11
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

951

FORM NO. T202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

MATERIAL SETTING

REPORT NO. 7271
S. O 2099-65
PAGE 1 OF 2
FILE NO. 3073
DATE 3-8-66

CUSTOMER LOCATION

FOR City of Houston

LOCATION WELL Allen Parkway

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS Across the street from old Sears store.

WELL DATA

NAME WELL Central WELL NO. 22

ELEVATION DATUM

TYPE WELL Gravel Well

SURFACE CASING CEMENTED Yes NO. SACKS 850 8% gel

SIZE HOLE UNDERREAMED DEPTH 680'-1645

GRAVEL TYPE 112, 113, 165 NO. CU. YDS 400

TYPE SCREEN 13 1/2 S.S.W.W. barlug GAGE .045

DRILLER L.S. LUthringer NO. 4

OTHER E.A. Dykes & Clovis Brewer

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL	SKETCH
+1		24" O.D. Surface Casing 1' above ground	
0		Surface	
525		Top of 14" O.D. Liner	
57	57	32" O.D. Conductor Pipe	
595	596	24" O.D. Surface Casing .375 Wall	
700.77	175.77	14" O.D. Blank Liner 54.57#	
708.16	7.39	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
710.48	2.32	14" O.D. Blank Pipe	
740.44	29.96	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
750.79	10.35	14" O.D. Blank Pipe	
780.49	29.70	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
800.83	20.34	14" O.D. Blank Pipe	
820.53	19.70	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
885.95	64.42	14" O.D. Blank Pipe	
920.65	34.70	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
975.94	55.29	14" O.D. Blank Pipe	
1000.67	24.73	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
1100.86	100.19	14" O.D. Blank Pipe	
1135.44	34.58	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
1150.89	15.45	14" O.D. Blank Pipe	
1180.54	29.65	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
1200.89	20.35	14" O.D. Blank Pipe	
1238.65	37.76	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
1241.07	2.42	14" O.D. Blank Pipe	
1255.74	14.67	14" O.D. S.S.W.W. Barlug Screen .045 ga.	
1271.13	15.39	14" O.D. Blank Pipe	
1308.90	37.77	14" O.D. S.S.W.W. Barlug Screen .045 ga.	

65-13-944

65-13-90

FORM NO. 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

MATERIAL SETTING

REPORT NO. 7271
S. O. 2099-65
PAGE 2 OF 2
FILE NO. 3073
DATE 3-8-66

CUSTOMER LOCATION

FOR City of Houston

LOCATION WELL Allen Parkway

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS

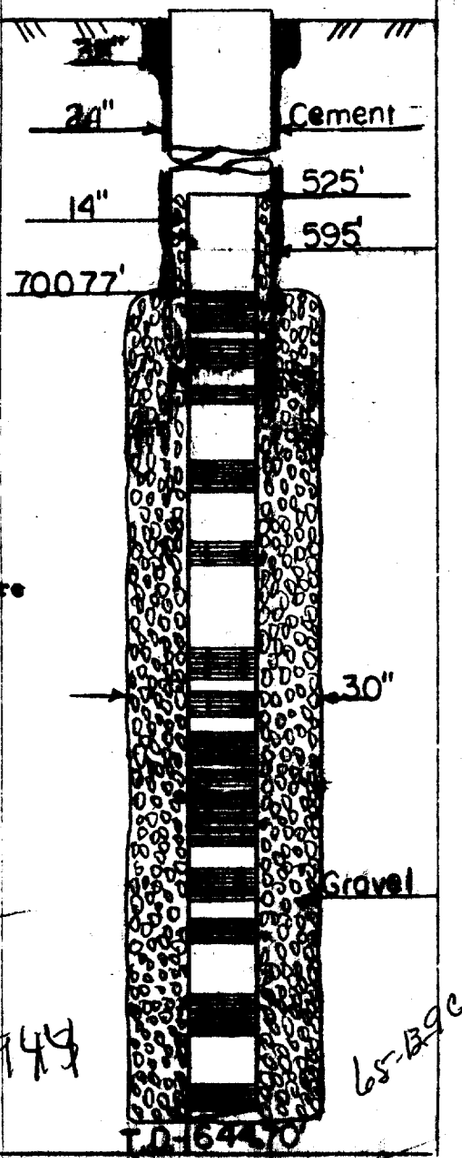
Across the street from old Sears store.

WELL DATA

NAME WELL Central WELL NO. 22
ELEVATION DATUM
TYPE WELL Gravel Wall
SURFACE CASING CEMENTED Yes NO. SACKS 850+6% gel
SIZE HOLE UNDERREAMED 30 DEPTH 680-1645'
GRAVEL TYPE 112, 113, 165 NO. CU. YDS. 400
TYPE SCREEN 131 S.S.W.W. barlug SIZE .045
DRILLER L.S. Luthringer NO. 4
OTHER E.A. Dykes & Clovis Brewer

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL
1311.34	2.44	14" O.D. Blank Pipe
1331.05	19.71	14" O.D. S.S.W.W. Barlug Screen .045 ga.
1356.33	25.28	14" O.D. Blank Pipe
1391.02	34.69	14" O.D. S.S.W.W. Barlug Screen .045 ga.
1411.31	20.29	14" O.D. Blank Pipe
1429.88	18.57	14" O.D. S.S.W.W. Barlug Screen .045 ga.
1431.28	1.40	14" O.D. Blank Pipe
1450.12	18.84	14" O.D. S.S.W.W. Barlug Screen .045 ga.
1500.41	50.29	14" O.D. Blank Pipe
1509.40	8.99	14" O.D. S.S.W.W. Barlug Screen
1511.74	2.34	14" O.D. Blank Pipe
1540.05	28.31	14" O.D. S.S.W.W. Barlug Screen
1600.41	60.36	14" O.D. Blank Pipe
1630.00	29.59	14" O.D. S.S.W.W. Barlug Screen .045 ga.
1642.36	12.36	14" O.D. Blank Pipe
1644.70	2.34	14" O.D. Set Nipple & Back Preasure Valve
TOTAL DEPTH:		1644.70'
		413.64 of 1-1/4 pipe welded on outside of 24" O.D. surface casing extending 2' above ground for measuring line, 11 Spring guides on 14" O.D. liner.

SKETCH



65-13-944

65-B9C

LAYNE TEXAS COMPANY,

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 7288
S. O. 2099-65
PAGE 1 of 3
FILE NO. 3073
DATE 3-25-66

CUSTOMER LOCATION

TEST FOR City of Houston
LOCATION OF WELL Allen Parkway
SURVEY FIELD
COUNTY Harris STATE Texas
DESCRIPTION OF LAND MARKS

WELL DATA

NAME WELL WELL NO. C-#22
ELEVATION DATUM
WELL SIZE 32&24 x 14 x 30" U.R.
TOTAL DEPTH 1645' TOP SCREEN 700.77
GRAVEL WELL Yes STRAIGHT WELL
TYPE SCREEN SSWW Barlug .045
TEMPERATURE OF WATER
WATER CONDITION Clear

WATER MEASURING DEVICE

ORIFICE SIZE 10 x 12 LENGTH 5
OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 400
LENGTH AIR LINE 400 SIZE
TYPE BOWL RKHC NO. STAGES 4
LENGTH BOWL SUCTION LT. No

SAND CONTENT OZ. PER 100 GAL.

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN.	292.85 FT.	20 MIN.	290.16 FT.
10 MIN.	291.39 FT.	25 MIN.	289.89 FT.
15 MIN.	290.57 FT.	30 MIN.	289.45 FT.

WATER SAMPLE TAKEN Yes NO. SAMPLES 1
BACTERIOLOGICAL SAMPLE TAKEN
DRAWDOWN SPECIFIC CAPACITY

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
3-15-66	Started 48 hr. test at 8:15 am							
9:15	66	339		31.5	2759			Sand 1/4 oz. trace
10:15	59	341		33.5	2850			"
11:15	59	341		33.5	2850			"
12:15	60	340		32.0	2782			"
1:15	59	341		32.0	2782			"
2:15	59	341		31.5	2759			"
3:15	59	341		31.0	2736			"
4:15	59	341		31.5	2759			"
5:15	58	342		31.0	2736			"
6:15	57	343		32.0	2782			"
7:15	56	344		33	2828			"
8:15	56	344		32.5	2805			"
9:15	56	344		33	2828			
10:15	56	344		33.5	2850			
11:15	55	345		34	2873			
12:15	55	345		34	2873			
1:15	55	345		34	2873			
2:15	55	345		34	2873			
3:15	55	345		34	2873			
4:15	55	345		34	2873			
5:15	55	345		34	2873			
6:16	55	345		34	2873			65-13-943
7:15	55	345		34	2873			
8:15	55	345		34	2873			

OBSERVERS

FOR OWNER

FOR LAYNE TEXAS CO.

65-13-90

FORM NO. 35 -

LAYNE TEXAS COMPANY,

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 7288
S. O. 2099-65
PAGE 2 of 3
FILE NO. 3073
DATE 3-25-66

CUSTOMER LOCATION

TEST FOR: City of Houston
LOCATION OF WELL: Allen Parkway
SURVEY: FIELD:
COUNTY: Harris STATE: Texas
DESCRIPTION OF LAND MARKS:

WELL DATA

NAME WELL: WELL NO. C-#22
ELEVATION: DATUM:
WELL SIZE: 32 x 24" x .14 x 30" U.R.
TOTAL DEPTH: 1645' TOP SCREEN: 700.77
GRAVEL WELL: Yes STRAIGHT WELL:
TYPE SCREEN: SSWW Barlow GAGE: .045
TEMPERATURE OF WATER:
WATER CONDITION: Clear

WATER MEASURING DEVICE

ORIFICE SIZE: 10 x 12 LENGTH: 5
OTHER:

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL: 400
LENGTH AIR LINE: 400 SIZE:
TYPE BOWL: NO. STAGES: 4
LENGTH BOWL: SUCTION LT.: No

SAND CONTENT: OZ. PER 100 GAL.

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN.	292.85 FT.	20 MIN.	290.18 FT.
10 MIN.	291.35 FT.	25 MIN.	289.82 FT.
15 MIN.	290.57 FT.	30 MIN.	289.45 FT.

WATER SAMPLE TAKEN: Yes NO. SAMPLES: 1
BACTERIOLOGICAL SAMPLE TAKEN:
DRAWDOWN: SPECIFIC CAPACITY:

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
3-16-66								
9:15	55	345		34	2873			
10:15	55	345		34	2873			
11:15	55	345		34	2873			
12:15	55	345		34	2873			
1:15	55	345		34	2873			
2:15	55	345		34	2873			
3:15	55	345		34	2873			
4:15	56	344		32.5	2805			
5:15	56	344		32.5	2805			
6:15	54	346		34.5	2896			
7:15	54	346		34.5	2896			
8:15	54	346		34.5	2896			
9:15	53	347		35.5	2941			
10:15	53	347		35.5	2941			
11:15	53	347		35.5	2941			
12:15 MN	53	347		35.5	2941			
1:15	53	347		35.5	2941			
2:15	53	347		35.5	2941			
3:15	53	347		35.5	2941			
4:15	53	347		35.5	2941			
5:15	53	347		35.5	2941			
6:15	53	347		35.5	2941			
7:15	53	347		35.5	2941			
8:15	53	347		35.5	2941			

65-13-94

OBSERVERS

FOR OWNER

FOR LAYNE TEXAS CO.

65-13-96

FORM NO. 25 -

LAYNE TEXAS COMPANY,

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 7288
S. O. 2099-65
PAGE 3 of 3
FILE NO. 3073
DATE 3-25-66

CUSTOMER LOCATION

TEST FOR City of Houston
LOCATION OF WELL Allen Parkway
SURVEY FIELD
COUNTY Harris STATE Texas
DESCRIPTION OF LAND MARKS

WELL DATA

NAME WELL WELL NO. C-#22
ELEVATION DATUM
WELL SIZE 32 x 24 14 x 30" UR
TOTAL DEPTH 1645' TOP SCREEN 700.77
GRAVEL WELL Yes STRAIGHT WELL
TYPE SCREEN SSWW Barlug GAGE .045
TEMPERATURE OF WATER
WATER CONDITION Clear

WATER MEASURING DEVICE

ORIFICE SIZE 10 x 12 LENGTH 5
OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 400
LENGTH AIR LINE 400 SIZE
TYPE BOWL RKHC NO. STAGES 4
LENGTH BOWL SUCTION LT. No

SAND CONTENT OZ. PER 100 GAL.

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN	292.85 FT.	20 MIN	290.18 FT.
10 MIN	291.35 FT.	25 MIN	289.83 FT.
15 MIN	290.57 FT.	30 MIN	289.45 FT.

WATER SAMPLE TAKEN Yes NO. SAMPLES 1
BACTERIOLOGICAL SAMPLE TAKEN
DRAWDOWN SPECIFIC CAPACITY

48 Hr. Test Ended

1 Hr. & 40 min Recovery Test

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
1 min	289.35			75 min	287.56			
2	294.00			80	287.38			
4	293.21			85	287.31			
5	292.85			90	287.20			
6	292.45			95	287.05			
7	292.10			100	286.94			
8	291.90							
9	291.70							
10	291.35							
15	290.57							
20	290.18							
25	289.83							
30	289.45							
35	289.41							
40	289.05							
45	288.62							
50	288.48							
55	288.26							
1 hr.	288.08							
65 min	287.92							65-13-94
70	287.74							

OBSERVERS

FOR OWNER

FOR LAYNE TEXAS CO.

65-13-90

FORM NO. 25 -

MICROBIOLOGY SERVICE LABORATORIES

water technologists . . chemists . . . microbiologists

23 March 1966

SO 2099-65

To: Layne Texas Company
Houston, Texas

Sample marked: Well No. C22, City of Houston, Harris Cty, Texas. Taken: 3-17-66 after 48 hrs. pumping at 2941 gpm. Static Head: 275'. Pumping Level: 355'. Screened: 690 - 1630'. C. W. Butler

Received: 3-17-66

WATER ANALYSIS

results in parts per million (mg/l) except as noted

Dissolved Residue at 105°C		295	**Conductance, micromhos/cm, 25°C**		525
Total Dissolved Solids, actual†		432	**Color, units**		0
Total Dissolved Solids, calc.		446	**Turbidity, units**		0
Silica	SiO_2	16	**As Calcium Carbonate, $CaCO_3$:**		
Iron and Aluminum Oxides	R_2O_3	0	**Phenolphthalein Alkalinity**		0
Calcium	Ca	22	**Total Alkalinity**		221
Magnesium	Mg	5	**Total Hardness**		75
Sodium (diff.) Na + K as	Na	92	**Free Carbon Dioxide**	CO_2	8
Carbonate	CO_3	0	**pH . . .** 7.71		
Bicarbonate	HCO_3	270	**HYPOTHETICAL COMBINATIONS**		
Sulfate	SO_4	9	Calcium Bicarbonate		89
			Magnesium Bicarbonate		29
Chloride	Cl	32	Sodium Bicarbonate		246
			Sodium Sulfate		13
Total Iron	Fe	0.06	Sodium Chloride		53
			$SiO_2 + R_2O_3$		16
			Total Dissolved Solids, calc.		446

65-13-944

†Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

Microbiology Service Laboratories

By: Edna Wood 65-13-9C

5883

RI 7-7271 • P. O. BOX 14171 • 4820 OLD SPANISH TRAIL • HOUSTON, TEXAS 77021

FORM NO. 28

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WELL LOG

REPORT NO 7251
S. O. 2099-65
PAGE 1 of 2
FILE NO 3073
DATE 2-1-66

CUSTOMER LOCATION		WELL DATA	
FOR	City of Houston 7-11-66 HP	NAME WELL	Central
LOCATION WELL	Allen Park Way 65-13-9C	WELL NO.	#22
SURVEY		ELEVATION	
FIELD		DATUM	
COUNTY	Harris	RT	9 7/8-
STATE	Texas	GR	
OTHER LAND MARKS		TEST HOLE SIZE	7 7/8
		TD	1915'
		DATE STARTED DRILLING	1-22-66
		DATE FINISHED DRILLING	1-26-66
		DRILLER	L.S. Luthringer
		RIG NO	4
		TYPE MUD	Aquegel
		NO SACKS	115
		ELECTRIC LOG	Yes
		TYPE	Schlumberger
		SURVEY	Microlog &
		TYPE	
		OTHER	Calilier Log

Q-606 Surface Casing File

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		Surface			
51	31	Loose Sand			
61	10	Clay			
76	15	Clay & Few Sand Streaks			
115	39	Broken Sandy Clay			
127	12	Clay			
137	10	Sand			
200	63	Clay & Sandy Clay Breaks			
203	3	Sand			
240	37	Clay			
247	7	Sand			
251	4	Clay			
268	17	Sandy Clay			
289	21	Sand			
308	19	Clay			
320	12	Sand			
360	40	Sandy Clay			
400	40	Clay			
457	57	Sand			
463	6	Clay			
481	18	Sand & Clay Streaks			
508	27	Sandy Clay			
525	17	Sand			
553	28	Clay & Sandy Clay Streaks			
579	26	Sand			
670	91	Sandy Clay & Sand Breaks			
685	15	Clay & Sandy Clay Breaks			
840	155	Sandy Clay & Sand Breaks			
873	33	Sandy Clay & Clay			
917	44	Sand & Clay Streaks			
935	18	Clay & Sandy Clay			
946	11	Sand			
980	34	Shale			
996	16	Sandy Shale			
1017	21	Shale			

65-13-9 44

65-13-9C

FORM NO. 28

LAYNE TEXAS COMP, /,

HOUSTON -:- DALLAS

WELL LOG

REPORT NO.	7251
S. O.	2099-65
PAGE	2 of 2
FILE NO.	3073
DATE	2-1-66

CUSTOMER LOCATION

FOR City of Houston 7-11-66 HP

LOCATION WELL Allen Park Way 65-13-9C

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS

WELL DATA

NAME WELL WELL NO. #22

ELEVATION DATUM

RT 9 7/8- GR

TEST HOLE SIZE 7 7 8 TD 1915'

DATE STARTED DRILLING 1-22-66

DATE FINISHED DRILLING 1-26-66

DRILLER L.S. Luthringer RIG NO. 4

TYPE MUD Aquegel NO. SACKS 115

ELECTRIC LOG Yes TYPE Schlumberger

SURVEY Microlog & TYPE

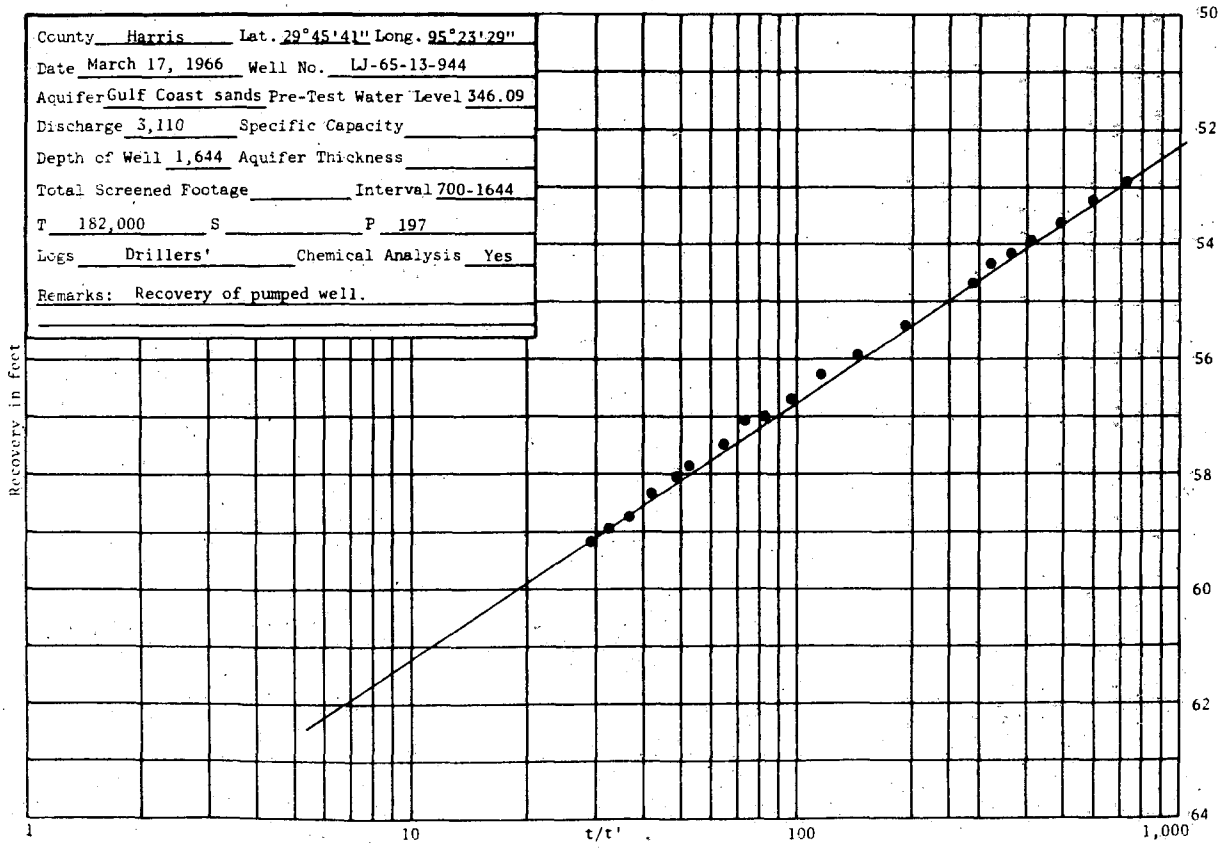
OTHER Calilier Log

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
1081	64	Sand & Sandy Shale			
1151	70	Sandy Clay & Sand Breaks			
1197	46	Sand & Sandy Clay Breaks			
1203	6	Clay			
1234	31	Sandy Clay & Sand Breaks			
1297	63	Sand & Clay Streaks			
1335	38	Sand & Legnite			
1353	18	Sandy Clay & Sand Breaks			
1456	103	Sand & Few Clay Breaks			
1462	6	Sandy Clay			
1500	38	Shale			
1502	2	Hard Lime or Rock			
1540	38	Sand & Sandy Shale & Lime Streaks			
1550	10	Shale			
1562	12	Sand			
1582	20	Shale & Sandy Shale & Lime Legnite			
1657	75	Shale			
1658	1	Rock			
1669	11	Shale (Sandy)			
1688	19	Shale			
1689	1	Legnite & Lime			
1727	38	Hard Sandy Shale			
1746	19	Hard Shale			
1773	27	Clay			
1789	16	Sandy Clay & Sand Breaks			
1835	46	Clay			
1903	68	Sandy Clay & Sand Breaks			
1915	12	Shale & Sandy Lime			

65-13-944

7 pages attached 65-13-9C

County Harris Lat. 29°45'41" Long. 95°23'29"
Date March 17, 1966 Well No. LJ-65-13-944
Aquifer Gulf Coast sands Pre-Test Water Level 346.09
Discharge 3,110 Specific Capacity
Depth of Well 1,644 Aquifer Thickness
Total Screened Footage Interval 700-1644
T 182,000 S P 197
Logs Drillers' Chemical Analysis Yes
Remarks: Recovery of pumped well.



Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-944

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513944
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.761667
Latitude (degrees minutes seconds)	29° 45' 42" N
Longitude (decimal degrees)	-95.391667
Longitude (degrees minutes seconds)	095° 23' 30" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	32
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1644
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	1/22/1966
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central #22
Driller	Layne Texas
Other Data Available	Aquifer Test; Drillers Log; Electric Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/18/1966
Last Update Date	7/12/2010

Remarks	Reported yield 3110 GPM in 1966. Aquifer test results in TWDB R-98. Test data in TWDB files. Log Q-606.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	700
14	Blank	Steel			525	700
14	Screen	Stainless Steel			700	739
14	Blank	Steel			739	749
14	Screen	Stainless Steel			749	779
14	Blank	Steel			779	799
14	Screen	Stainless Steel			799	815
14	Blank	Steel			815	885
14	Screen	Stainless Steel			885	920
14	Blank	Steel			920	975
14	Screen	Stainless Steel			975	1000
14	Blank	Steel			1000	1098
14	Screen	Stainless Steel			1098	1134
14	Blank	Steel			1134	1150
14	Screen	Stainless Steel			1150	1180
14	Blank	Steel			1180	1200
14	Screen	Stainless Steel			1200	1255
14	Blank	Steel			1255	1270
14	Screen	Stainless Steel			1270	1330
14	Blank	Steel			1330	1355
14	Screen	Stainless Steel			1355	1390
14	Blank	Steel			1390	1410
14	Screen	Stainless Steel			1410	1450
14	Blank	Steel			1450	1500
14	Screen	Stainless Steel			1500	1540
14	Blank	Steel			1540	1600
14	Screen	Stainless Steel			1600	1630
14	Blank	Steel			1630	1644

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

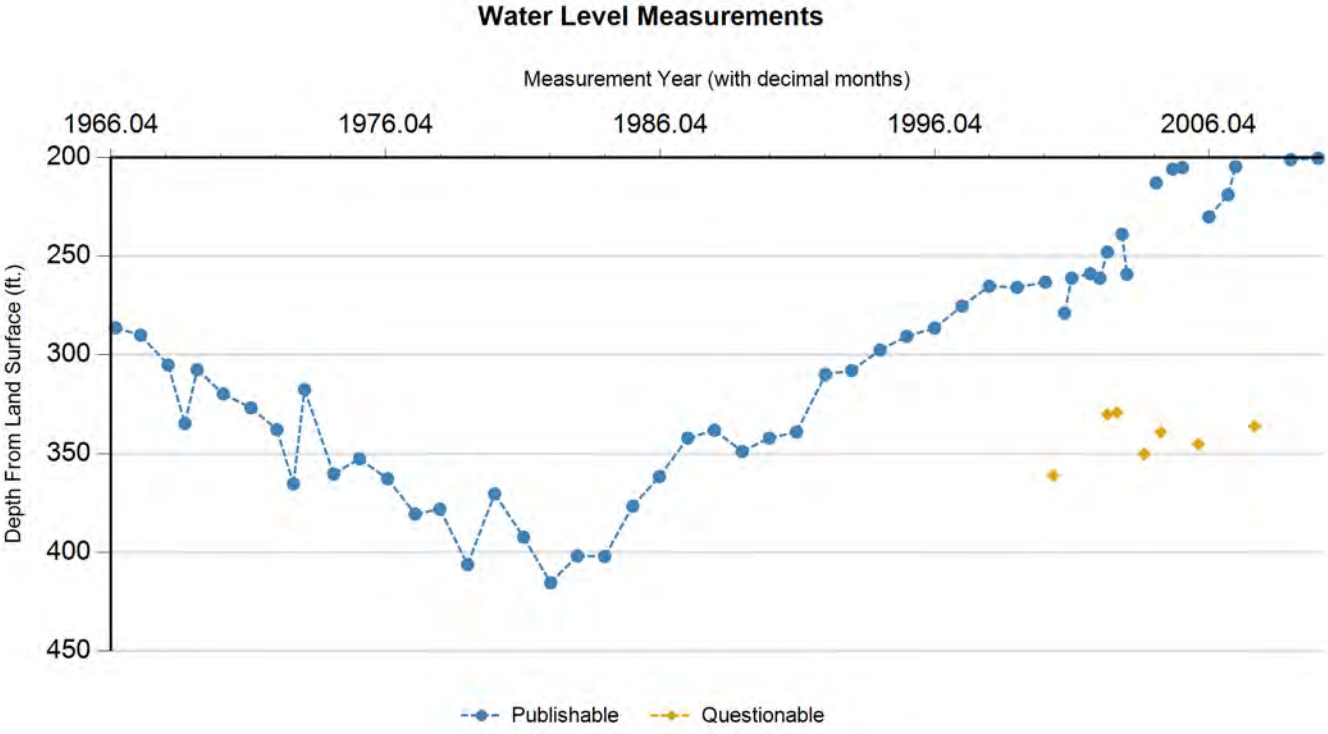
Filter Pack - No Data

Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-944

groundwater division



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/17/1966		286.44		-254.44	2	U.S. Geological Survey	Steel Tape		
P	2/15/1967		290.13	3.69	-258.13	1	U.S. Geological Survey	Steel Tape		
P	2/16/1968		305.2	15.07	-273.2	1	U.S. Geological Survey	Electric Line		
P	9/30/1968		334.58	29.38	-302.58	1	U.S. Geological Survey	Steel Tape		
P	3/6/1969		307.6	(26.98)	-275.6	1	U.S. Geological Survey	Electric Line		
P	2/19/1970		319.6	12.00	-287.6	1	U.S. Geological Survey	Electric Line		
P	2/23/1971		326.63	7.03	-294.63	1	U.S. Geological Survey	Steel Tape		
P	2/2/1972		337.7	11.07	-305.7	1	U.S. Geological Survey	Steel Tape		
P	9/12/1972		365.2	27.50	-333.2	1	U.S. Geological Survey	Steel Tape		
P	2/5/1973		317.4	(47.80)	-285.4	1	U.S. Geological Survey	Steel Tape		
P	2/27/1974		360.26	42.86	-328.26	1	U.S. Geological Survey	Steel Tape		
P	2/5/1975		352.46	(7.80)	-320.46	2	U.S. Geological Survey	Steel Tape		
P	2/13/1976		362.59	10.13	-330.59	2	U.S. Geological Survey	Steel Tape		
P	2/16/1977		380.5	17.91	-348.5	2	U.S. Geological Survey	Steel Tape		
P	1/9/1978		378	(2.50)	-346	1	U.S. Geological Survey	Steel Tape		
P	1/12/1979		406.15	28.15	-374.15	1	U.S. Geological Survey	Steel Tape		
P	1/7/1980		370.28	(35.87)	-338.28	1	U.S. Geological Survey	Steel Tape		
P	1/26/1981		392.17	21.89	-360.17	1	U.S. Geological Survey	Steel Tape		
P	1/21/1982		415.37	23.20	-383.37	1	U.S. Geological Survey	Steel Tape		
P	1/11/1983		401.7	(13.67)	-369.7	1	U.S. Geological Survey	Steel Tape		
P	1/9/1984		402	0.30	-370	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-944

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/18/1985		376.5	(25.50)	-344.5	1	U.S. Geological Survey	Steel Tape		
P	1/8/1986		361.5	(15.00)	-329.5	1	U.S. Geological Survey	Steel Tape		
P	1/20/1987		342	(19.50)	-310	1	U.S. Geological Survey	Unknown		
P	1/8/1988		338	(4.00)	-306	1	U.S. Geological Survey	Unknown		
P	1/13/1989		348.76	10.76	-316.76	1	U.S. Geological Survey	Unknown		
P	1/8/1990		342	(6.76)	-310	1	U.S. Geological Survey	Air Line		
P	1/7/1991		338.9	(3.10)	-306.9	1	U.S. Geological Survey	Steel Tape		
P	1/23/1992		309.96	(28.94)	-277.96	1	U.S. Geological Survey	Steel Tape		
P	1/7/1993		308.11	(1.85)	-276.11	1	U.S. Geological Survey	Steel Tape		
P	1/21/1994		297.67	(10.44)	-265.67	1	U.S. Geological Survey	Steel Tape		
P	1/12/1995		290.7	(6.97)	-258.7	1	U.S. Geological Survey	Steel Tape		
P	1/15/1996		286.55	(4.15)	-254.55	1	U.S. Geological Survey	Steel Tape		
P	1/16/1997		275.36	(11.19)	-243.36	1	U.S. Geological Survey	Steel Tape		
P	1/12/1998		265.32	(10.04)	-233.32	1	U.S. Geological Survey	Steel Tape		
P	1/18/1999		265.92	0.60	-233.92	1	U.S. Geological Survey	Steel Tape		
P	1/28/2000		263.26	(2.66)	-231.26	1	U.S. Geological Survey	Steel Tape		
Q	5/10/2000		361	97.74	-329	1	U.S. Geological Survey	Air Line	2	
P	10/13/2000		279	(82.00)	-247	1	U.S. Geological Survey	Air Line		
P	1/12/2001		261.26	(17.74)	-229.26	1	U.S. Geological Survey	Steel Tape		
P	9/21/2001		259	(2.26)	-227	1	U.S. Geological Survey	Air Line		
P	1/22/2002		261.32	2.32	-229.32	1	U.S. Geological Survey	Steel Tape		
P	5/3/2002		248	(13.32)	-216	1	U.S. Geological Survey	Air Line		
Q	5/3/2002		330	82.00	-298	2	U.S. Geological Survey	Air Line	2	
Q	9/10/2002		329	(1.00)	-297	1	U.S. Geological Survey	Air Line	2	
P	11/18/2002		239	(90.00)	-207	1	U.S. Geological Survey	Steel Tape		
P	1/16/2003		259.29	20.29	-227.29	1	U.S. Geological Survey	Steel Tape		
Q	9/8/2003		350	90.71	-318	1	U.S. Geological Survey	Steel Tape	2	
P	2/11/2004		213	(137.00)	-181	1	U.S. Geological Survey	Steel Tape		
Q	4/13/2004		339	126.00	-307	1	U.S. Geological Survey	Steel Tape	2	
P	9/20/2004		206	(133.00)	-174	1	U.S. Geological Survey	Steel Tape		
P	1/25/2005		205.2	(0.80)	-173.2	1	U.S. Geological Survey	Steel Tape		
Q	8/29/2005		345	139.80	-313	1	U.S. Geological Survey	Air Line	2	
P	1/12/2006		230.21	(114.79)	-198.21	1	U.S. Geological Survey	Steel Tape		
P	9/25/2006		219	(11.21)	-187	1	U.S. Geological Survey	Air Line		
P	1/2/2007		204.69	(14.31)	-172.69	1	U.S. Geological Survey	Steel Tape		
Q	9/19/2007		336	131.31	-304	1	U.S. Geological Survey	Air Line	2	
P	1/5/2009		201.19	(134.81)	-169.19	1	U.S. Geological Survey	Steel Tape		
P	1/5/2010		200.47	(0.72)	-168.47	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement

Water Quality Analysis

Sample Date: 3/17/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.31	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		270	mg/L	
00910	CALCIUM (MG/L)		22	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		75	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.91		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		4.61		
00932	SODIUM, CALCULATED, PERCENT		72	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		92	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		525	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		308	mg/L	

Water Quality Analysis

Sample Date: 3/17/1966 **Sample Time:** 0000 **Sample Number:** 2 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		219.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		268	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		200	ug/L	
00910	CALCIUM (MG/L)		24	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		84	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		6	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.7		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		4.07		
00932	SODIUM, CALCULATED, PERCENT		68	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		86	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		524	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		311	mg/L	

Water Quality Analysis

Sample Date: 2/19/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		195.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		238	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		112	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		474	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/26/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		513	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/23/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		214.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		262	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		82	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		520	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 6/21/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.5	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/22/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		110	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		487	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/1/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		198.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		242	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		100	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		501	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/26/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		97	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		483	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/13/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		503	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/11/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		207.38	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		253	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		519	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/10/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		521	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/5/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		493	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/22/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		524	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-944

Water Quality Analysis

Sample Date: 3/24/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		205	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-945

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513945
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.769722
Latitude (degrees minutes seconds)	29° 46' 11" N
Longitude (decimal degrees)	-95.409445
Longitude (degrees minutes seconds)	095° 24' 34" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	58
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	321
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1968
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Robo Car Wash
Driller	Almeda Water Well Service
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 301 to 321 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

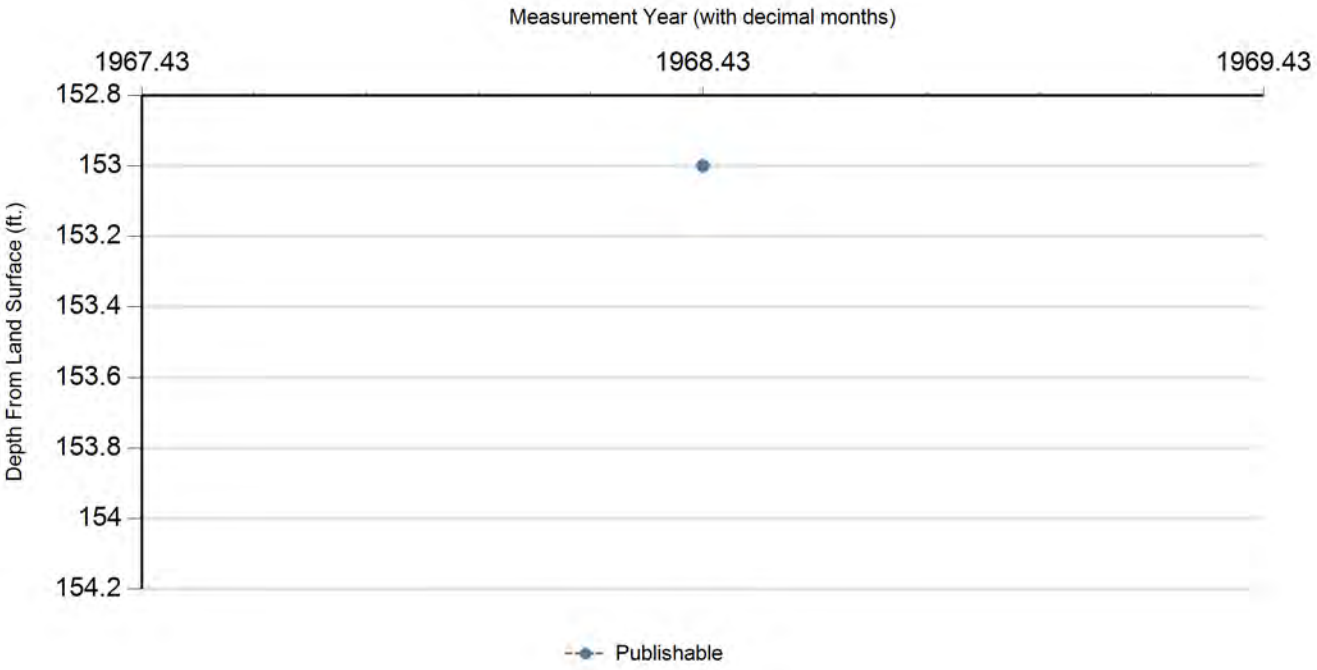
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/7/1968		153		-95	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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April 1966

J65-13-946

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

1:24000

MASTER CARD

Record by W. L. Nattel Source of data owner & D. records Date Oct 20 '75 Map Houston Heights 1967

State Texas [4 8] County (or town) Harris [L J]

Latitude: 2 9 4 5 0 3 N (deg, min, sec) Longitude: 0 9 5 2 2 5 6 (degrees, min, sec) Sequential number: 2

Lat-long accuracy: 1 T ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼ ___ B & M

Local well number: LJ-65-13-946 Other number: ___

Local use: ___ Owner or name: Sparkle Ice Co.

Owner or name: SPARKLE ICE CO Address: 1501 W. Webster

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ___ [P]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mad, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ___ [N]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [W]

DATA AVAILABLE: Well data ___ Freq. W/L meas.: ___ [Ø] Field aquifer char. ___

Hyd. lab. data: ___

Qual. water data; type: ___

Freq. sampling: none Pumpage inventory: yes no, period: ___

Aperture cards: ___ yes

Log data: D-log 514' (on back) [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 514 ft [514] Meas. rept owner accuracy [3]

Depth cased (first perf.): 410 ft [410] Casing type: S; Diam. 4 x 2½ in [4]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: 4-21-70 [970] Pump intake setting: 252' (1970) ft [252]

Driller: T. C. Bussell & Son (name), 7735 N. Hou.-Rosslyn Rd Hou. (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [S] Deep Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. ___ [5] Trans. or meter no. ___

Descrip. MP ___ ft above below LSD, Alt. MP ___

Alt. LSD: 53 [53] Accuracy (source): 5' topo map [3]

Water Level 207 ft above below MP; Ft above below LSD [207] Accuracy: rept dr. [D]

Date meas: 4-23-70 [470] Yield: — gpm Method determined ___

Drawdown: — ft Accuracy: ___ Pumping period ___ hrs

QUALITY OF WATER DATA: Iron ___ ppm Sulfate ___ ppm Chloride ___ ppm Hard. ___ ppm

Sp. Conduct ___ K x 10^6 Temp. ___ °F Date sampled ___

Taste, color, etc. ___

Well No. LJ-65-13-946

LJ-13-946

Latitude-longitude 29 45 03 (N) S 095 22 56.2
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1-19) Physiographic Province: Coastal Plain [03] (20-21) Section: W Gulf Coast Plain [F] (22) Drainage Basin: [51R] (23-25) Subbasin: [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [ ] (27) [F]

MAJOR AQUIFER: ____ system, ____ series [QG] (28-29) lower Chicot aquifer, formation, group [CL] (30-31)

Lithology: sand [S] (32-33) Origin: deltaic [ ] (34) Aquifer Thickness: ____ ft

[ ] (35-37) Length of well open to: 30 ft [30] (38-40) Depth to top of: ____ ft [ ] (41-43)

MINOR AQUIFER: ____ system, ____ series [ ] (44-45) ____ aquifer, formation, group [ ] (46-47)

Lithology: ____ [ ] (48-49) Origin: ____ [ ] (50) Aquifer Thickness: ____ ft

[ ] (51-53) Length of well open to: ____ ft [ ] (54-56) Depth to top of: ____ ft [ ] (57-59)

Interval Screened: 2½" 410-420; 494-514 SS 14ga

Depth to consolidated rock: ____ ft [ ] (60-63) Source of data: ____ [ ] (64)

Depth to basement: ____ ft [ ] (65-68) Source of data: ____ [ ] (69)

Surficial material: ____ [ ] (70-71) Infiltration characteristics: ____ [ ] (72)

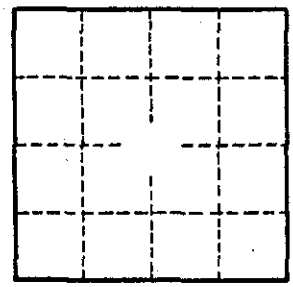
Coefficient Trans: ____ gpd/ft [ ] (73-75) Coefficient Storage: ____ [ ] (76-78)

Coefficient Perm: ____ gpd/ft²; Spec cap: ____ gpm/ft; Number of geologic cards: ____ [ ] (79)

0 - 4' - top soil
4 - 235 - uncon. clay + shale
235 - 250 - Sand, fine
250 - 310 - clay
310 - 340 - sand
340 - 405 - clay
405 - 422 - sand
422 - 486 - Clay + soft shale
486 - 514 - sand

0 - 400' 4" csg.
2½" - from 400 to batt.

cemented from 350' to 400'



Well No. LJ-65-13-946

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-13-946

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6513946
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.751112
Latitude (degrees minutes seconds)	29° 45' 04" N
Longitude (decimal degrees)	-95.3825
Longitude (degrees minutes seconds)	095° 22' 57" W
Coordinate Source	+/- 1 Second
Aquifer Code	112GLFC - Gulf Coast Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	53
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	514
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	4/21/1970
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Sparkle Ice Co.
Driller	T.C. Bussell & Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	8/26/1997
Last Update Date	8/26/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-404

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) R.K.G. (7-11-63)

Record by R.B.A. (3-10-61) Source of data FILES Date 2-20-68 Map Settegast 1955 1:24000

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 48 44 N (deg 7 min 9 sec 11) Longitude: 095 20 09 (12 degrees 15 min sec 18) Sequential number: [1]

Lat-long accuracy: [1] (20) T. ____ S, R ____ W, Sec ____, ____ ¼, ____ ¼, ____ ¼, ____

Local well number: LJ-65-14-404 (21–34) Other number: B & M NORTHEAST #5

Local use: (35–51) Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON (52–66) Address: ____

Ownership: (C) County, (F) Fed Gov't, (H) City, (N) Corp or Co, (P) Private, (S) Agency, (W) Water Dist ____ (67) [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ (68) [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (S) Destroyed (69) [W]

DATA AVAILABLE: Well data [1] (70) Freq. W/L meas.: 1950 — — Annual [A] (71) Field aquifer char. (72) ____

Hyd. lab. data: ____ (73) ____

Qual. water data; type: ____ (74) ____

Freq. sampling: 6-22-49 [T] (75) Pumpage inventory: yes no, period: ____ (76) ____

Aperture cards: ____ yes (77) ____

Log data: E-Log U-22 0-2502 [E] (78–79)

WELL-DESCRIPTION CARD — DRILLED TO 2502'; PLUGGED BACK TO 1980'

SAME AS ON MASTER CARD (10) Depth well: 1980 ft [1980] (20–23) Meas. (est) Driller accuracy (24) [3]

Depth cased (first perf.): 1060 ft [1060] (25–28) Casing type: S; Diam. 24-12¾ in [24] (29–30)

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other ____ (31) [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (X) other ____ (32) [H]

Date Drilled: 1949 [949] (33–35) Pump intake setting: ____ ft (36–38) ____

Driller: TEXAS WATER WELLS INC. (name) HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, submerg, (T) turb, (X) other [T] (39) Deep Shallow [D] (40)

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. ____ [5] (41) Trans. or meter no. ____

Descrip. MP ____ ft above below LSD. Alt. MP 50'

Alt. LSD: 50' [50] (42–45) Accuracy (source): Topo 5' (47) [3]

Water Level 187.04 ft above below MP; ft above below LSD [____] (48–51) Accuracy: MEAS. (52) [A]

Date meas: 1-5-51 [151] (53–55) Yield: 2180 gpm [2180] (56–60) Method determined (61) ____

Drawdown: 38 ft [38] (62–64) Accuracy: USGS tape (65) Pumping period 22? hrs (66–68) ____

QUALITY OF WATER DATA: Iron ____ ppm (69) Sulfate ____ ppm (70) Chloride ____ ppm (71) Hard. ____ ppm (72) ____

Sp. Conduct ____ K x 10^6 (73) Temp. ____ °F (74–76) Date sampled ____ (77–79) ____

Taste, color, etc. ____

PL 224.70
197.09
37.61

Well No. LJ-65-14-404

Well No. LJ-65-14-404

Latitude-longitude 29 d 48 m 44 s N S 095 d 20 m 09 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS [05] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [51] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 400 ft [400] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: 1060-1130, 1160-1230, 1280-1290, 1350-1390, 1480-1530, 1650-1670

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: ✓ _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: ✓ _____ gpd/ft^2; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

CASINGS:

625' OF 24"

1456' OF 12 3/4"

12 3/4" - 524 to 1480'

SCREENS:

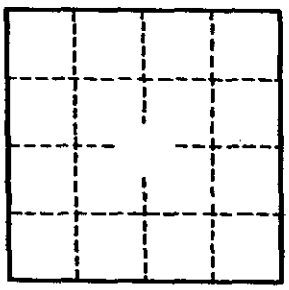
1720-1740 20

1760-1790 30

1800-1850 50

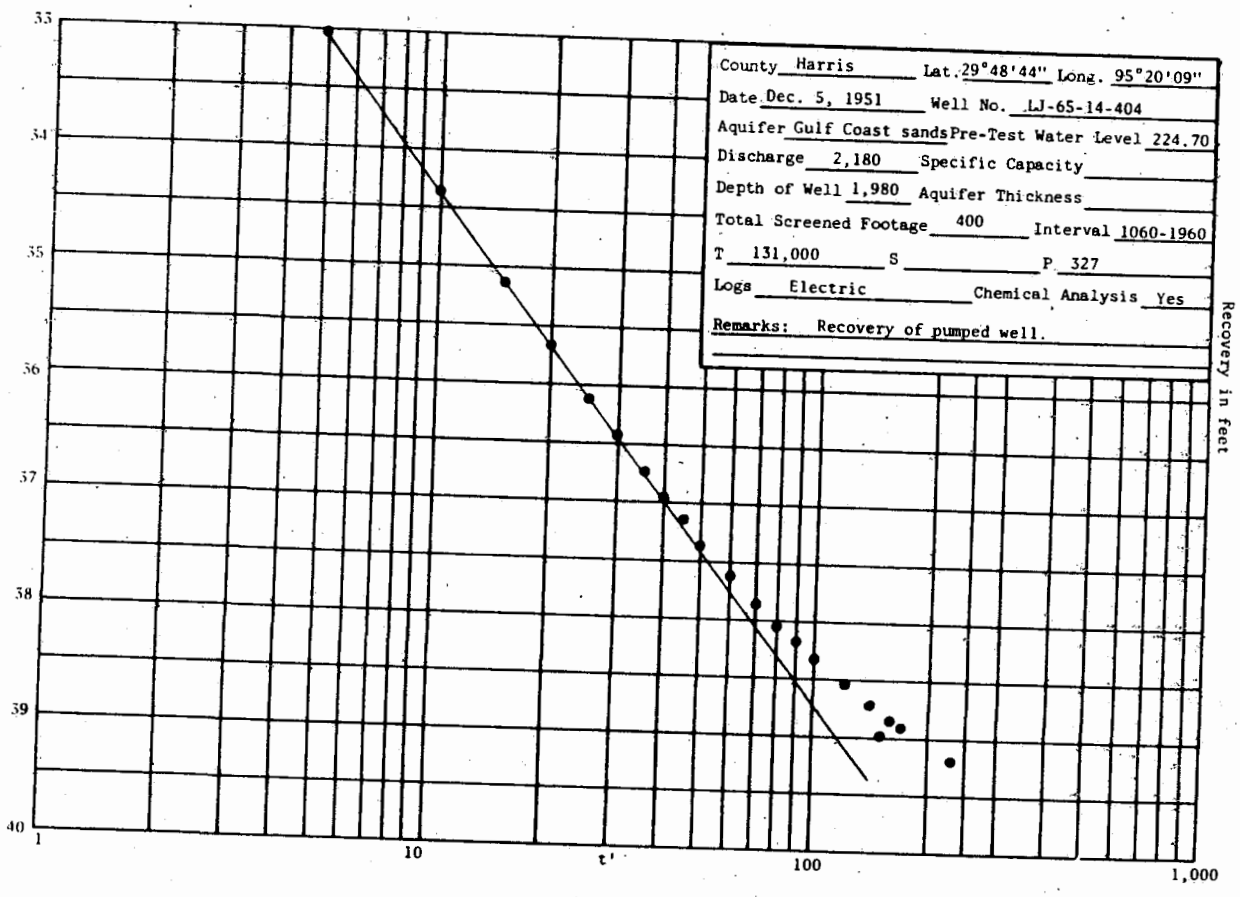
1910-1920 10

1930-1960 30



Well No. LJ-65-14-404

GPO 857-700


County Harris Lat. 29°48'44" Long. 95°20'09"
Date Dec. 5, 1951 Well No. LJ-65-14-404
Aquifer Gulf Coast sands Pre-Test Water Level 224.70
Discharge 2,180 Specific Capacity
Depth of Well 1,980 Aquifer Thickness
Total Screened Footage 400 Interval 1060-1960
T 131,000 S P 327
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
33
34
35
36
37
38
39
40
1
10
t'
100
1,000
Recovery in feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-404

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514404
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.8125
Latitude (degrees minutes seconds)	29° 48' 45" N
Longitude (decimal degrees)	-95.3361111
Longitude (degrees minutes seconds)	095° 20' 10" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1980
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1949
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Texas Water Wells
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G1010013AJ
Groundwater Conservation District Well Number	
Owner Well Number	Northeast #5
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/20/1968
Last Update Date	5/9/2021

Remarks	Aquifer test results in TWDB R-98. No test data in TWDB files.Well is plugged according to TCEQ.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	625
12	Blank	Steel			524	1060
12	Screen	Steel			1060	1130
12	Blank	Steel			1130	1160
12	Screen	Steel			1160	1230
12	Blank	Steel			1230	1280
12	Screen	Steel			1280	1290
12	Blank	Steel			1290	1350
12	Screen	Steel			1350	1390
12	Blank	Steel			1390	1480
12	Screen	Steel			1480	1530
12	Blank	Steel			1530	1650
12	Screen	Steel			1650	1670
12	Blank	Steel			1670	1720
12	Screen	Steel			1720	1740
12	Blank	Steel			1740	1760
12	Screen	Steel			1760	1790
12	Blank	Steel			1790	1800
12	Screen	Steel			1800	1850
12	Blank	Steel			1850	1910
12	Screen	Steel			1910	1920
12	Blank	Steel			1920	1930
12	Screen	Steel			1930	1960
12	Blank	Steel			1960	1980

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
1/5/1951	Unknown	2180	38	22

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

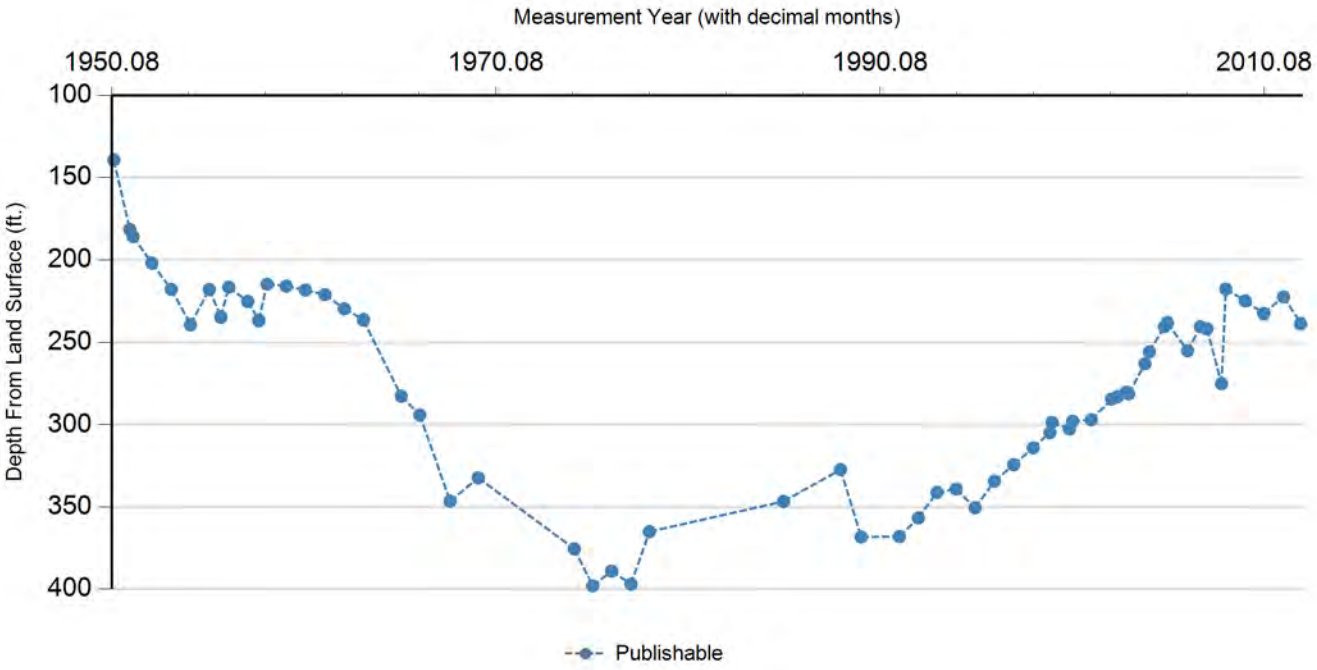
Plugged Back

Plug Material	Top Depth (ft.)	Bottom Depth (ft.)
Unknown	1980	2502

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/8/1950		139.3		-89.3	1	U.S. Geological Survey	Steel Tape		
P	1/5/1951		181.5	42.20	-131.5	1	U.S. Geological Survey	Steel Tape		
P	3/8/1951		185.9	4.40	-135.9	1	U.S. Geological Survey	Steel Tape		
P	2/29/1952		202.08	16.18	-152.08	1	U.S. Geological Survey	Steel Tape		
P	3/4/1953		217.98	15.90	-167.98	1	U.S. Geological Survey	Steel Tape		
P	3/4/1954		239.28	21.30	-189.28	1	U.S. Geological Survey	Steel Tape		
P	2/25/1955		218.13	(21.15)	-168.13	1	U.S. Geological Survey	Steel Tape		
P	10/6/1955		234.69	16.56	-184.69	1	U.S. Geological Survey	Steel Tape		
P	3/2/1956		216.66	(18.03)	-166.66	1	U.S. Geological Survey	Steel Tape		
P	2/27/1957		225.36	8.70	-175.36	1	U.S. Geological Survey	Steel Tape		
P	9/27/1957		236.74	11.38	-186.74	1	U.S. Geological Survey	Steel Tape		
P	2/28/1958		214.9	(21.84)	-164.9	1	U.S. Geological Survey	Steel Tape		
P	2/26/1959		216.05	1.15	-166.05	1	U.S. Geological Survey	Steel Tape		
P	2/26/1960		218.43	2.38	-168.43	1	U.S. Geological Survey	Steel Tape		
P	3/3/1961		221.2	2.77	-171.2	1	U.S. Geological Survey	Steel Tape		
P	3/5/1962		229.83	8.63	-179.83	1	U.S. Geological Survey	Steel Tape		
P	3/5/1963		236.36	6.53	-186.36	1	U.S. Geological Survey	Steel Tape		
P	2/23/1965		282.6	46.24	-232.6	1	U.S. Geological Survey	Steel Tape		
P	2/10/1966		294	11.40	-244	1	U.S. Geological Survey	Steel Tape		
P	9/12/1967		346.5	52.50	-296.5	1	U.S. Geological Survey	Steel Tape		
P	2/26/1969		332.3	(14.20)	-282.3	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-404

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/27/1974		375.5	43.20	-325.5	1	U.S. Geological Survey	Steel Tape		
P	2/11/1975		398	22.50	-348	1	U.S. Geological Survey	Steel Tape		
P	2/5/1976		389	(9.00)	-339	1	U.S. Geological Survey	Steel Tape		
P	2/8/1977		397	8.00	-347	1	U.S. Geological Survey	Steel Tape		
P	1/23/1978		365	(32.00)	-315	1	U.S. Geological Survey	Air Line		
P	1/14/1985		346.67	(18.33)	-296.67	1	U.S. Geological Survey	Steel Tape		
P	1/5/1988		327.25	(19.42)	-277.25	1	U.S. Geological Survey	Unknown		
P	2/1/1989		368.26	41.01	-318.26	1	U.S. Geological Survey	Unknown		
P	1/29/1991		368.03	(0.23)	-318.03	1	U.S. Geological Survey	Steel Tape		
P	1/21/1992		356.64	(11.39)	-306.64	1	U.S. Geological Survey	Steel Tape		
P	1/11/1993		341.15	(15.49)	-291.15	1	U.S. Geological Survey	Steel Tape		
P	1/11/1994		339.08	(2.07)	-289.08	1	U.S. Geological Survey	Steel Tape		
P	1/4/1995		350.49	11.41	-300.49	1	U.S. Geological Survey	Steel Tape		
P	1/9/1996		334.32	(16.17)	-284.32	1	U.S. Geological Survey	Steel Tape		
P	1/8/1997		324.32	(10.00)	-274.32	1	U.S. Geological Survey	Steel Tape		
P	1/12/1998		314.05	(10.27)	-264.05	1	U.S. Geological Survey	Steel Tape		
P	12/3/1998		304.78	(9.27)	-254.78	1	U.S. Geological Survey	Steel Tape		
P	1/6/1999		298.51	(6.27)	-248.51	1	U.S. Geological Survey	Steel Tape		
P	12/8/1999		302.58	4.07	-252.58	1	U.S. Geological Survey	Steel Tape		
P	2/4/2000		297.86	(4.72)	-247.86	1	U.S. Geological Survey	Steel Tape		
P	1/24/2001		296.95	(0.91)	-246.95	1	U.S. Geological Survey	Steel Tape		
P	2/14/2002		284.36	(12.59)	-234.36	1	U.S. Geological Survey	Steel Tape		
P	6/11/2002		282.86	(1.50)	-232.86	1	U.S. Geological Survey	Steel Tape		
P	11/25/2002		280.17	(2.69)	-230.17	1	U.S. Geological Survey	Steel Tape		
P	1/3/2003		281.14	0.97	-231.14	1	U.S. Geological Survey	Steel Tape		
P	11/14/2003		262.83	(18.31)	-212.83	1	U.S. Geological Survey	Steel Tape		
P	1/30/2004		255.62	(7.21)	-205.62	1	U.S. Geological Survey	Steel Tape		
P	11/16/2004		240.36	(15.26)	-190.36	1	U.S. Geological Survey	Steel Tape		
P	1/7/2005		238.1	(2.26)	-188.1	1	U.S. Geological Survey	Steel Tape		
P	1/27/2006		254.99	16.89	-204.99	1	U.S. Geological Survey	Steel Tape		
P	9/29/2006		240.34	(14.65)	-190.34	1	U.S. Geological Survey	Steel Tape		
P	1/31/2007		241.62	1.28	-191.62	1	U.S. Geological Survey	Steel Tape		
P	11/7/2007		275	33.38	-225	1	U.S. Geological Survey	Air Line		
P	1/23/2008		217.84	(57.16)	-167.84	1	U.S. Geological Survey	Steel Tape		
P	1/29/2009		225.07	7.23	-175.07	1	U.S. Geological Survey	Steel Tape		
P	1/15/2010		232.67	7.60	-182.67	1	U.S. Geological Survey	Steel Tape		
P	1/26/2011		222.54	(10.13)	-172.54	1	U.S. Geological Survey	Steel Tape		
P	12/20/2011		238.72	16.18	-188.72	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 3/13/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		108.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		132	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		1900	ug/L	
00910	CALCIUM (MG/L)		106	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		1950	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		372	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		26	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		3.5	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		9	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		25.96		
00932	SODIUM, CALCULATED, PERCENT		87	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		1150	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		6210	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		3320	mg/L	

Water Quality Analysis

Sample Date: 3/14/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01020	BORON, DISSOLVED (UG/L AS B)		600	ug/L	
00910	CALCIUM (MG/L)		63	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		173	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		11.7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.2	mg/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.62		
00932	SODIUM, CALCULATED, PERCENT		81	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		352	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		3440	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		112	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1000	mg/L	

Water Quality Analysis

Sample Date: 3/16/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		90.14	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		110	mg/L	
00910	CALCIUM (MG/L)		5	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		85	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		16	mg/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.47		
00955	SILICA, DISSOLVED (MG/L AS SI02)		80	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		17.19		
00932	SODIUM, CALCULATED, PERCENT		95	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		161	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		926	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		54	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		440	mg/L	

Water Quality Analysis

Sample Date: 6/22/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		281.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		700	ug/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		300	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.89		
00955	SILICA, DISSOLVED (MG/L AS SI02)		19	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.33		
00932	SODIUM, CALCULATED, PERCENT		89	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		159	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		752	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		434	mg/L	

Water Quality Analysis

Sample Date: 7/19/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		682	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/7/1993 **Sample Time:** 1200 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		641	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/19/1995 **Sample Time:** 0730 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: U S G S Water-Data R. TX-95-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		465	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/20/1996 **Sample Time:** 0900 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water Data Rpt. TX-96-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/10/1997 **Sample Time:** 1000 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		471	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/17/1998 **Sample Time:** 0815 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water-Data Report TX-98-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		644	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. J-65-14-405

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

1:24000

Record by W. L. Naftel — Source of data Our Files — Date Aug. 1949 — Map Settegast 1955

State Texas [48] — County (or town) Harris [LJ]

Latitude: 29 48 15 N (deg, min, sec) — Longitude: 095 20 17 (degrees, min, sec) — Sequential number: [1]

Lat-long accuracy: [1] T ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼ ___ B & M

Local well number: LJ-65-14-405 — Other number: NORTH EAST #4

Local use: — Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON — Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. — [W]

DATA AVAILABLE: Well data [ ] — Freq. W/L meas.: 1949: Semi Annual [S] — Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: [ ]

Freq. sampling: 5-16-49 [A] — Pumpage inventory: yes no, period: [ ]

Aperture cards: yes [ ]

Log data: E log U-23 [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 2080 ft [2080] — Meas. rept. driller accuracy [6]

Depth cased (first perf.): 1030 ft [1030] — Casing type: S; Diam. 24 x 12 in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — [H]

Date Drilled: May 1949 [949] — Pump intake setting: ___ ft

Driller: Texas Water Wells, Inc. (name) Houston, Tex. (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — [T] Deep Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. [5] — Trans. or meter no.

Descrip. MP ___ ft above below LSD, Alt. MP 54

Alt. LSD: 50 [50] — Accuracy (source): 5' topo map [3]

Water Level 182.32 ft above below MP; Ft above below LSD [178] — Accuracy: meas. [A]

30 min SL; +4.5

Date meas: 5-16-49 [549] — Yield: 2400 gpm [2400] — Method determined [ ]

Drawdown: 62 ft [62] — Accuracy: USGS tape WD [ ] — Pumping period 96 hrs [96]

QUALITY OF WATER DATA: Iron ___ ppm — Sulfate ___ ppm — Chloride ___ ppm — Hard. ___ ppm

Sp. Conduct ___ K x 10^6 — Temp. ___ °F — Date sampled

Taste, color, etc.

PL 244.67
182.32
62.35

Well No.

Well No. LJ-65-Y-405

Latitude-longitude 29 d 48 m 15 s @ 095 d 20 m 17 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19)

Physiographic Province: Coastal Plains [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [51R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [F] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 405 ft [405] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

* Intervals Screened: 1030 – 2060 55 screen

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

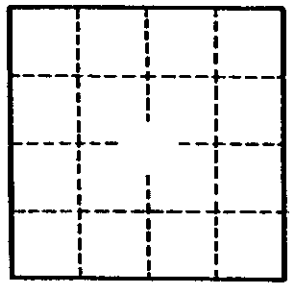
Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

* Screen
1030 – 1080
1100 – 1120
1130 – 1160
1320 – 1345
1395 – 1425
1440 – 1480
1695 – 1765
1795 – 1815
1895 – 1915
1960 – 2060

610' of 24" csg.
12" from 510 to 2080



WELL NO.

GPO 857–700

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020977

Latitude ° ' "	Longitude ° ' "	Seq. No.
294815	0952017	01

County code 201 County HARRIS

Well # ~~LJ~~-LJ-65-14-405

Project number 7-4648-01000

Date 2-8-77 Time ____ Temp°C 30.5

Owner City of Houston

Address North East #4

Date drld 5-49 WBF code 121 EVGL

Sample interval: (top) 1030 (bottom) 2060

Water level — Appr Clear Use PS

Collector Peters Yield — GPM

Smpld aftr pmpg ____ Depth 2080

Pt of coll Tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule ____

Other I

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294815095201701 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	2080	04	
Yield (GPM)	00059			
Sample interval OP	72015	1030	04	
Sample interval BOTTOM	72016	2060	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	3050	02		30.5
pH	00400	8300	01		8.3
Specific conductance	00095	7880	03		788
HCO_3	00440	3560	03		356
CO_3	00445	0000	01		0
Chloride (Cl)	00940	8000	02		80
Sulfate (SO_4)	00945	2800	01		2.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

1010

Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
294815	0952017	01

County code 201 County Harris

Well # LJ-65-14-405

Project number 5-4648-01000

Date 2-3-75 Time ____ Temp°C 30.0

Owner City of Houston

Address Northeast # 4

Date drld 5-49 WBF code 121EVGL

Sample interval: (top) 1030 (bottom) 2060

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arr. Depth 2080

Pt of coll tap on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO4

Other ____

Herbicide ____ Insecticide ____

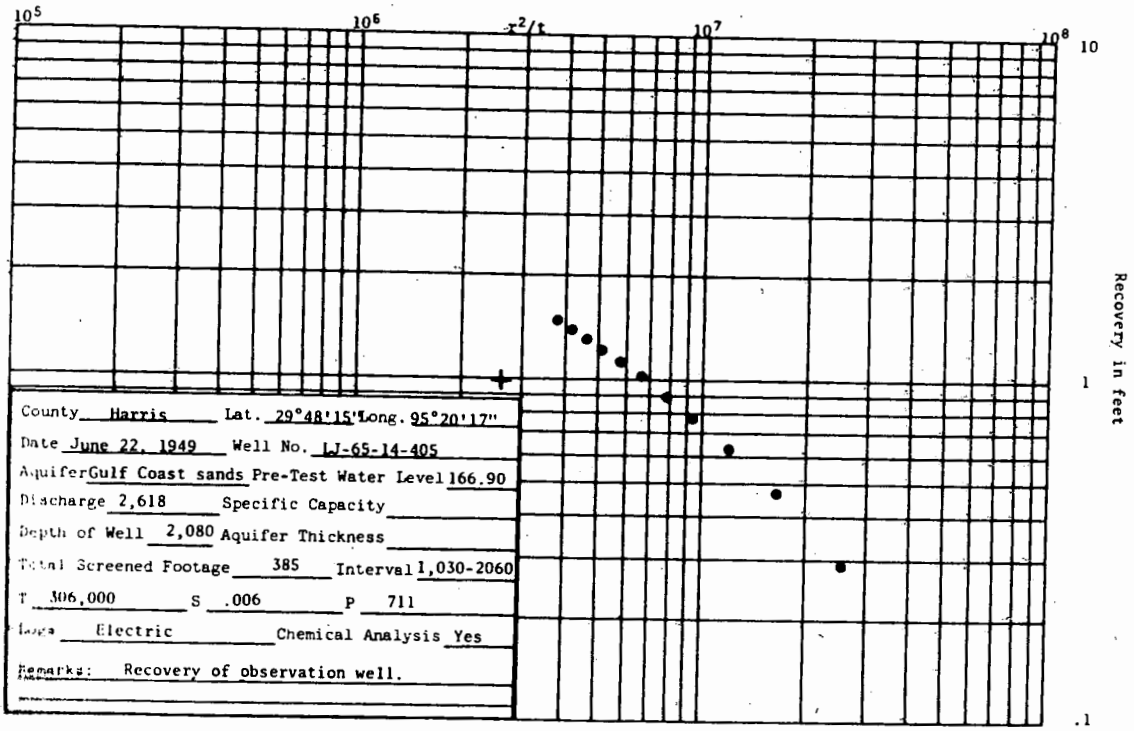
Remarks:

Type 2 (1) Station identification number 294815095201701 (2–16)

Y M D (Begin 21–22) Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	2080	04	
Yield (GPM)	00059			
Sample interval TOP	72015	1030	04	
Sample interval BOTTOM	72016	2060	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	3000	02		30.0
pH	00400	7800	01		7.8
Specific conductance	00095	7820	03		782
HCO_3	00440	3480	03		348
CO_3	00445	0000	01		0
Chloride (Cl)	00940	7900	02		79
Sulfate (SO_4)	00945	4000	01		4.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				



County Harris Lat. 29°48'15" Long. 95°20'17"

Date June 22, 1949 Well No. LJ-65-14-405

Aquifer Gulf Coast sands Pre-Test Water Level 166.90

Discharge 2,618 Specific Capacity

Depth of Well 2,080 Aquifer Thickness

Total Screened Footage 385 Interval 1,030-2060

T 306,000 S .006 P 711

Logs Electric Chemical Analysis Yes

Remarks: Recovery of observation well.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-405

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514405
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.8046444
Latitude (degrees minutes seconds)	29° 48' 16.72" N
Longitude (decimal degrees)	-95.3377444
Longitude (degrees minutes seconds)	095° 20' 15.88" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2080
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	5/0/1949
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Texas Water Wells
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	82385
U.S. Geological Survey Site Number	294815095201701
Texas Commission on Environmental Quality Source Id	G1010013AI
Groundwater Conservation District Well Number	
Owner Well Number	Northeast #4
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	8/19/1971
Last Update Date	5/7/2021

Remarks	Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	610
12	Blank	Steel			510	1030
12	Screen	Stainless Steel			1030	1080
12	Blank	Steel			1080	1100
12	Screen	Stainless Steel			1100	1120
12	Blank	Steel			1120	1130
12	Screen	Stainless Steel			1130	1160
12	Blank	Steel			1160	1320
12	Screen	Stainless Steel			1320	1345
12	Blank	Steel			1345	1395
12	Screen	Stainless Steel			1395	1425
12	Blank	Steel			1425	1440
12	Screen	Stainless Steel			1440	1480
12	Blank	Steel			1480	1695
12	Screen	Stainless Steel			1695	1765
12	Blank	Steel			1765	1795
12	Screen	Stainless Steel			1795	1815
12	Blank	Steel			1815	1895
12	Screen	Stainless Steel			1895	1915
12	Blank	Steel			1915	1960
12	Screen	Stainless Steel			1960	2060
12	Blank	Steel			2060	2080

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
5/16/1949	Unknown	2400	62	96
6/22/1949	Pump	2618		

Lithology - No Data

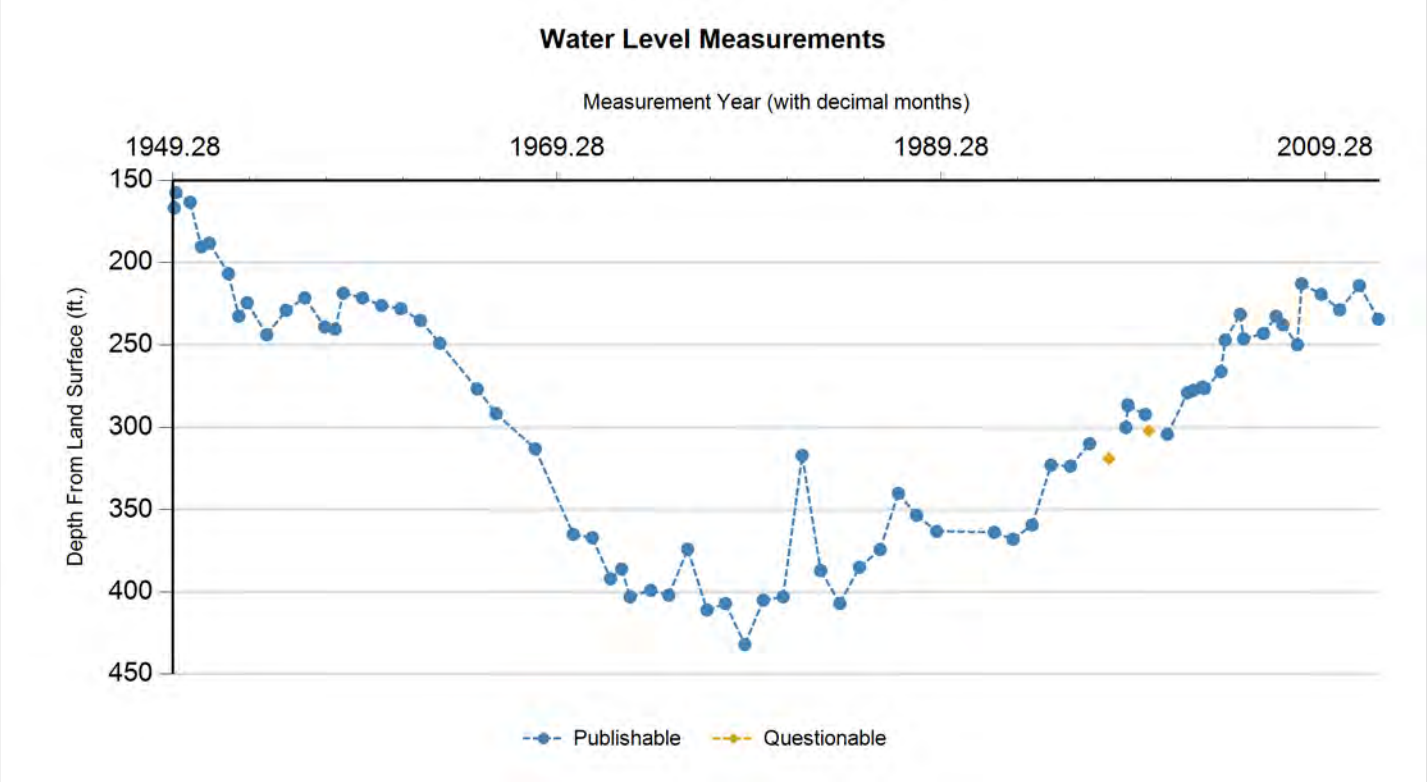
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/12/1949		166.8		-116.8	1	U.S. Geological Survey	Steel Tape		
P	6/10/1949		157.44	(9.36)	-107.44	1	U.S. Geological Survey	Steel Tape		
P	3/8/1950		163.3	5.86	-113.3	1	U.S. Geological Survey	Steel Tape		
P	10/10/1950		190.4	27.10	-140.4	1	U.S. Geological Survey	Steel Tape		
P	3/8/1951		188.23	(2.17)	-138.23	1	U.S. Geological Survey	Steel Tape		
P	3/5/1952		206.77	18.54	-156.77	1	U.S. Geological Survey	Steel Tape		
P	9/23/1952		232.7	25.93	-182.7	1	U.S. Geological Survey	Steel Tape		
P	2/26/1953		224.48	(8.22)	-174.48	1	U.S. Geological Survey	Steel Tape		
P	3/4/1954		243.92	19.44	-193.92	1	U.S. Geological Survey	Steel Tape		
P	3/8/1955		229.08	(14.84)	-179.08	1	U.S. Geological Survey	Steel Tape		
P	2/27/1956		221.4	(7.68)	-171.4	1	U.S. Geological Survey	Steel Tape		
P	3/12/1957		239.26	17.86	-189.26	1	U.S. Geological Survey	Steel Tape		
P	9/27/1957		240.5	1.24	-190.5	1	U.S. Geological Survey	Steel Tape		
P	2/28/1958		218.66	(21.84)	-168.66	1	U.S. Geological Survey	Steel Tape		
P	2/26/1959		221.49	2.83	-171.49	1	U.S. Geological Survey	Steel Tape		
P	2/26/1960		226.13	4.64	-176.13	1	U.S. Geological Survey	Steel Tape		
P	2/27/1961		228.07	1.94	-178.07	1	U.S. Geological Survey	Steel Tape		
P	3/5/1962		235.2	7.13	-185.2	1	U.S. Geological Survey	Steel Tape		
P	3/5/1963		249.08	13.88	-199.08	1	U.S. Geological Survey	Steel Tape		
P	2/18/1965		276.87	27.79	-226.87	1	U.S. Geological Survey	Steel Tape		
P	2/10/1966		291.42	14.55	-241.42	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/27/1968		312.9	21.48	-262.9	1	U.S. Geological Survey	Steel Tape		
P	2/19/1970		365	52.10	-315	1	U.S. Geological Survey	Air Line		
P	2/16/1971		367	2.00	-317	1	U.S. Geological Survey	Air Line		
P	1/28/1972		392	25.00	-342	1	U.S. Geological Survey	Air Line		
P	7/0/1972		386	(6.00)	-336	1	Private Firm or Industry	Air Line		
P	2/6/1973		403	17.00	-353	1	U.S. Geological Survey	Air Line		
P	3/1/1974		399	(4.00)	-349	1	U.S. Geological Survey	Air Line		
P	2/10/1975		402	3.00	-352	1	U.S. Geological Survey	Air Line		
P	2/4/1976		374	(28.00)	-324	1	U.S. Geological Survey	Air Line		
P	2/8/1977		411	37.00	-361	1	U.S. Geological Survey	Air Line		
P	1/23/1978		407	(4.00)	-357	1	U.S. Geological Survey	Air Line		
P	1/25/1979		432	25.00	-382	1	U.S. Geological Survey	Air Line		
P	1/11/1980		405	(27.00)	-355	1	U.S. Geological Survey	Air Line		
P	1/23/1981		403	(2.00)	-353	1	U.S. Geological Survey	Air Line		
P	1/20/1982		317	(86.00)	-267	1	U.S. Geological Survey	Steel Tape		
P	1/6/1983		387	70.00	-337	1	U.S. Geological Survey	Air Line		
P	1/5/1984		407	20.00	-357	1	U.S. Geological Survey	Air Line		
P	1/14/1985		385	(22.00)	-335	1	U.S. Geological Survey	Steel Tape		
P	2/11/1986		374.2	(10.80)	-324.2	1	U.S. Geological Survey	Steel Tape		
P	1/22/1987		340	(34.20)	-290	1	U.S. Geological Survey	Unknown		
P	1/5/1988		353.37	13.37	-303.37	1	U.S. Geological Survey	Unknown		
P	1/23/1989		363.11	9.74	-313.11	1	U.S. Geological Survey	Unknown		
P	1/21/1992		363.69	0.58	-313.69	1	U.S. Geological Survey	Steel Tape		
P	1/11/1993		367.96	4.27	-317.96	1	U.S. Geological Survey	Steel Tape		
P	1/11/1994		359.24	(8.72)	-309.24	1	U.S. Geological Survey	Steel Tape		
P	1/4/1995		322.85	(36.39)	-272.85	1	U.S. Geological Survey	Steel Tape		
P	1/9/1996		323.5	0.65	-273.5	1	U.S. Geological Survey	Steel Tape		
P	1/8/1997		309.83	(13.67)	-259.83	1	U.S. Geological Survey	Steel Tape		
Q	1/12/1998		318.94	9.11	-268.94	1	U.S. Geological Survey	Steel Tape	4	
P	12/3/1998		299.96	(18.98)	-249.96	1	U.S. Geological Survey	Steel Tape		
P	1/6/1999		286.56	(13.40)	-236.56	1	U.S. Geological Survey	Steel Tape		
P	12/8/1999		292.06	5.50	-242.06	1	U.S. Geological Survey	Steel Tape		
Q	2/7/2000		301.92	9.86	-251.92	1	U.S. Geological Survey	Steel Tape	4	
P	1/24/2001		304.15	2.23	-254.15	1	U.S. Geological Survey	Steel Tape		
P	2/14/2002		279.27	(24.88)	-229.27	1	U.S. Geological Survey	Steel Tape		
P	6/11/2002		277.66	(1.61)	-227.66	1	U.S. Geological Survey	Steel Tape		
P	11/25/2002		275.73	(1.93)	-225.73	1	U.S. Geological Survey	Steel Tape		
P	1/3/2003		276.71	0.98	-226.71	1	U.S. Geological Survey	Steel Tape		
P	11/14/2003		266.34	(10.37)	-216.34	1	U.S. Geological Survey	Steel Tape		
P	1/30/2004		247.17	(19.17)	-197.17	1	U.S. Geological Survey	Steel Tape		
P	11/16/2004		231.48	(15.69)	-181.48	1	U.S. Geological Survey	Steel Tape		
P	1/14/2005		246.41	14.93	-196.41	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-405

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/27/2006		243.22	(3.19)	-193.22	1	U.S. Geological Survey	Steel Tape		
P	9/29/2006		232.69	(10.53)	-182.69	1	U.S. Geological Survey	Steel Tape		
P	1/31/2007		237.88	5.19	-187.88	1	U.S. Geological Survey	Steel Tape		
P	11/7/2007		250	12.12	-200	1	U.S. Geological Survey	Air Line		
P	1/23/2008		212.93	(37.07)	-162.93	1	U.S. Geological Survey	Steel Tape		
P	1/29/2009		219.3	6.37	-169.3	1	U.S. Geological Survey	Steel Tape		
P	1/15/2010		228.79	9.49	-178.79	1	U.S. Geological Survey	Steel Tape		
P	1/26/2011		213.99	(14.80)	-163.99	1	U.S. Geological Survey	Steel Tape		
P	1/24/2012		234.48	20.49	-184.48	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
4	Well pumped recently

Water Quality Analysis

Sample Date: 3/1/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.01	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		227	mg/L	
00910	CALCIUM (MG/L)		30	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		992	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		103	mg/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		1.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.65		
00955	SILICA, DISSOLVED (MG/L AS SI02)		10	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		28.46		
00932	SODIUM, CALCULATED, PERCENT		93	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		666	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		3510	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1825	mg/L	

Water Quality Analysis

Sample Date: 3/15/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00910	CALCIUM (MG/L)		6	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		19	mg/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		10.7	SU	
00955	SILICA, DISSOLVED (MG/L AS SI02)		111	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		20.81		
00932	SODIUM, CALCULATED, PERCENT		95	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		209	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1120	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		174	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		675	mg/L	

Water Quality Analysis

Sample Date: 5/16/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		303.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		370	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		1000	ug/L	
00910	CALCIUM (MG/L)		8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		85	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		6.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.41		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		13.78		
00932	SODIUM, CALCULATED, PERCENT		90	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		180	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		841	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		487	mg/L	

Water Quality Analysis

Sample Date: 2/26/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		331	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		691	MICR	

Water Quality Analysis

Sample Date: 7/27/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		291.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		747	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 2/17/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		290.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		354	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		74	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		765	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/18/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		286.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		350	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		77	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		774	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		1	C	

Water Quality Analysis

Sample Date: 2/11/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		291.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		787	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 1/31/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		715	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/2/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		284.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		347	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		78	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		779	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/26/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		75	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		752	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 2/3/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		285.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		348	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		79	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		782	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/8/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		291.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		80	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		788	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 1/23/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		237.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		580	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 3/12/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		797	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 3/18/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		291	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		355.12	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		751	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/2/1993 **Sample Time:** 1415 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		682	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 9/20/1994 **Sample Time:** 1530 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		741	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 9/14/1995 **Sample Time:** 1530 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: U S G S Water-Data R. TX-95-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		764	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 9/23/1996 **Sample Time:** 0845 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water Data Rpt. TX-96-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		562	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/10/1997 **Sample Time:** 0915 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		770	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 9/17/1998 **Sample Time:** 1045 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water-Data Report TX-98-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		790	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-14-406

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. BROWN)

Record by R.B.A. (5-10-61) Source of data FILES Date 2-20-68 Map 1:24000 Settegast 1955

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 47 45 N Longitude: 095 20 10 W Sequential number: 1

Lat-long accuracy: 1 T. N S, R E W, Sec, , , ,

Local well number: LJ-65-14-406 Other number: B & M NORTHEAST #3

Local use: Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (S) Destroyed [W]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1944 -- Annual [A] Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 3-22-48 [A] Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-LOG V-25 0-2510 D-LOG [E D]

WELL DRILLED TO 2510' & PLUGGED BACK TO 1993

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1993 ft 1993 Meas. rept Driller accuracy [3]

Depth cased; (first perf.) 1143 ft 1143 Casing type: S ; Diam. 24-12¾ in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) boriz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (X) other [H]

Date Drilled: 5-15-44 [944] Pump intake setting: ft

Driller: LAYNE-TEXAS CO. (name), HOUSTON, TEX. (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (X) other [T] Deep Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. [5] Trans. or meter no.

Descrip. MP ft above below LSD. Alt. MP

Alt. LSD: 50 510 Accuracy: (source) Topo 5' [3]

Water Level 111.68 ft above below MP, Ft above below LSD Accuracy:

Date meas: 6-21-44 [644] Yield: 2525 gpm [2525] Method determined

Drawdown: 68 ft [68] Accuracy: USGS tape MD Pumping period 96 hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

PL 179.18 111.68 67.50

Well No. LJ-65-14-406

Well No. LJ-65-14-406

Latitude-longitude 29 d 47 m 45 s (N) 095 d 20 m 10 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1) Physiographic Province: COASTAL PLAINS [03] (20-21) Section: _____

[F] (23) Drainage Basin: _____ [511R] (23-28) Subbasin: _____ [ ] (29)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, swamp, (Q) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (37)

MAJOR AQUIFER: _____ system, _____ series [T] (28) _____ aquifer, formation, group [E] (30-31)

Lithology: _____ [ ] (32-33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35-37) Length of well open to: 267 ft [267] (38-40) Depth to top of: _____ ft [ ] (41-43)

MINOR AQUIFER: _____ system, _____ series [ ] (44-45) _____ aquifer, formation, group [ ] (46-47)

Lithology: _____ [ ] (48-49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51-53) Length of well open to: _____ ft [ ] (54-56) Depth to top of: _____ ft [ ] (57-59)

Intervals Screened: 1,142'11" - 1969'6"

Depth to consolidated rock: _____ ft [ ] (60-63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65-68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70-71) Infiltration characteristics: _____ [ ] (72)

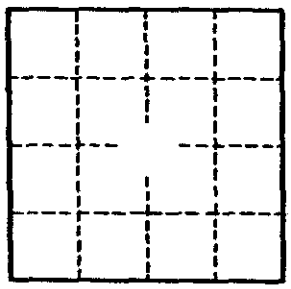
Coefficient Trans: _____ gpd/ft [ ] (73-75) Coefficient Storage: _____ [ ] (76-78)

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

CASING:
558' of 24"
1554 of 12 3/4"

12 3/4" from 439 to 1993

SURFACE CASING CEMENTED.
HOLE APPARENTLY 24" TO 1995'6" & GRAVEL PACKED.
TOP OF GRAVEL @ 455'
12 SCREENS @
1142'11" - 1146'11"
1149'5" - 1167'6"
1190'11" - 1209'10"
1220'3" - 1238'7"
1241' - 1259'10"
1300'6" - 1319'9"
1340'1" - 1354'7"
1379'10" - 1388'11"
1391'4" - 1409'6"
1514'5" - 1533'3"
1535'9" - 1553'6"
1574'11" - 1583'1"
1779'9" - 1799'
1801'6" - 1818'
1848'6" - 1863'5"
1865'10" - 1878'
1950'5" - 1969'6"



Well No. LJ-65-14-406

GPO 857-700

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020978

Latitude ° ' "	Longitude ° ' "	Seq. No.
294745	095201	001

County code 201 County HARRIS

Well # LJ-65-14-406

Project number 7-4648-01000

Date 2-8-77 Time ____ Temp°C 28.5

Owner City of Houston

Address NORTHEAST #3

Date drld 5-15-44 WBF code 121 EVGL

Sample interval: (top) 1142 (bottom) 1969

Water level ____ Appr Clear Use PS

Collector Butler Yield — GPM

Smpld aftr pmpg ____ Depth 1993

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule ____

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294745095201001 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1993	04	
Yield (GPM)	00059			
Sample interval ?	72015	1142	04	
Sample interval BOTTOM	72016	1969	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2850	02		28.5
pH	00400	7900	01		7.9
Specific conductance	00095	6630	03		663
HCO_3	00440	3170	03		317
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5700	02		57
Sulfate (SO_4)	00945	2800	01		2.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

1042

PA 73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017564

Latitude ° ' "	Longitude ° ' "	Seq. No.
94745	0952010	01

County code 201 County Harris

Well # LJ-65-14-406

Project number 4648-01000

Date 2-4-76 Time — Temp°C 29.0

Owner City of Houston

Address North East #3

Date drld — WBF code 121 EVGL

Sample interval: (top) 1142 (bottom) 1969

Water level — Appr clear Use PS

Collector Nattel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294745095201001 (2–16)

Y M D 76 02 04 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval	72015	1142	04	
Sample interval BOTTOM	72016	1969	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		29.0
pH	00400	8100	01		8.1
Specific conductance	00095	6950	03		695
HCO_3	00440	3200	03		320
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6300	02		63
Sulfate (SO_4)	00945	5200	01		5.2
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

1043

Austin, Texas

015135

Latitude ° ' "	Longitude ° ' "	Seq. No.
294745	0952 ~~9520~~ 010	01

County code 201 ~~LJ~~ County Harris

Well # LJ-65-14-406

Project number 5-4648-01000

Date 2-3-75 Time ____ Temp°C 29.5

Owner City of Houston

Address Northeast # 3

Date drld 5-15-44 WBF code 121EVCL

Sample interval: (top) 1142 (bottom) 1969

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arr. Depth 1993

Pt of coll tap on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO_4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294745095201001 (2–16)

Y M D 75 02 03 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1993	04	
Yield (GPM)	00059			
Sample interval TOP	72015	1142	04	
Sample interval BOTTOM	72016	1969	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2950	02		29.5
pH	00400	7700	01		7.7
Specific conductance	00095	7210	03		721
HCO_3	00440	3290	03		329
CO_3	00445	0000	01		0
Chloride (Cl)	00940	7800	02		UP 14 78
Sulfate (SO_4)	00945	4000	01		4.0
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

1044

Water Resources Division
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
294745	0952010	01

nty code 101 County Harris
Well # LJ-65-14-406
Project number T-4648-01000
Date 9-9-76 Time — Temp°C 20.0
Owner City of Houston
Address Northeast # 3
Date drld — WBF code 121 Evgl
Sample interval: (top) 1142 (bottom) 1969
Water level — Appr Clear Use PS
Collector King & Bezant Yield — GPM
Smpld aftr pmpg on arrival Depth —
Pt of coll tap on discharge
Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors
Nutrients MBAS BOD TOC DOC
i chem schedule I
Other
Herbicide Insecticide
Remarks:

Type 2 (1) Station identification number 294745095201001 (2–16)

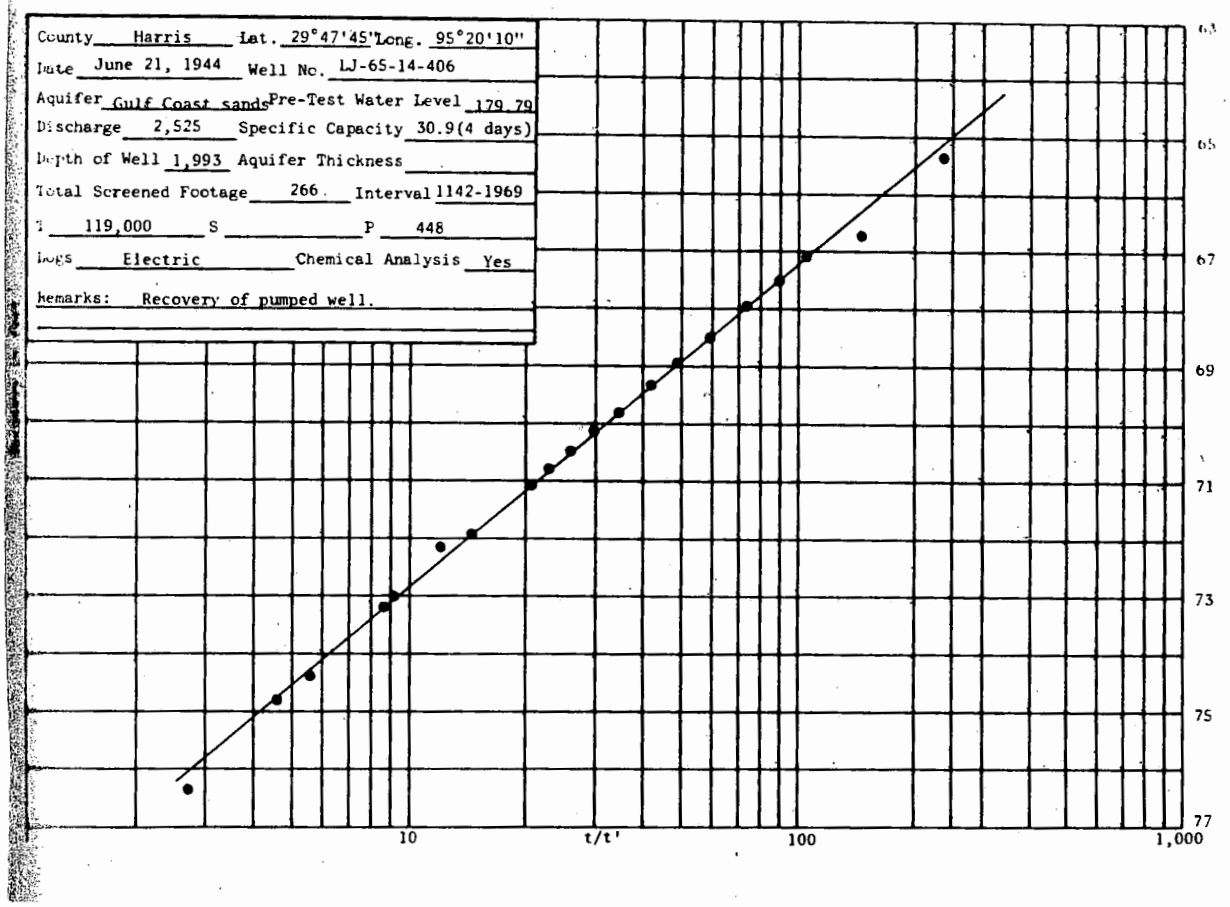
Y M D 76 09 09 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1142	04	
nple interval BOTTOM	72016	1969	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2000	02		20.0
pH	00400	7800	01		7.8
Specific conductance	00095	6580	03		658
HCO_3	00440	3190	03		319
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5700	02		57
Sulfate (SO_4)	00945	2800	01		2.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

1045


County Harris Lat. 29°47'45" Long. 95°20'10"
Date June 21, 1944 Well No. LJ-65-14-406
Aquifer Gulf Coast sands Pre-Test Water Level 179.79
Discharge 2,525 Specific Capacity 30.9(4 days)
Depth of Well 1,993 Aquifer Thickness
Total Screened Footage 266 Interval 1142-1969
T 119,000 S P 448
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
63
65
67
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73
75
77
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-406

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514406
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.796111
Latitude (degrees minutes seconds)	29° 47' 46" N
Longitude (decimal degrees)	-95.336389
Longitude (degrees minutes seconds)	095° 20' 11" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1993
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	5/15/1944
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Northeast #3
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/20/1968
Last Update Date	7/14/2010

Remarks	Reported yield 2525 GPM with 81.7 feet recovery in 1944. Specific capacity 30.9 GPM/ft. Aquifer test results in TWDB R-98. No test data in TWDB files. Historical observat- ion well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	558
12	Blank	Steel			439	1142
12	Screen	Steel			1142	1146
12	Blank	Steel			1146	1149
12	Screen	Steel			1149	1167
12	Blank	Steel			1167	1190
12	Screen	Steel			1190	1209
12	Blank	Steel			1209	1220
12	Screen	Steel			1220	1238
12	Blank	Steel			1238	1241
12	Screen	Steel			1241	1259
12	Blank	Steel			1259	1300
12	Screen	Steel			1300	1319
12	Blank	Steel			1319	1340
12	Screen	Steel			1340	1354
12	Blank	Steel			1354	1379
12	Screen	Steel			1379	1388
12	Blank	Steel			1388	1391
12	Screen	Steel			1391	1409
12	Blank	Steel			1409	1514
12	Screen	Steel			1514	1533
12	Blank	Steel			1533	1535
12	Screen	Steel			1535	1553
12	Blank	Steel			1553	1574
12	Screen	Steel			1574	1583
12	Blank	Steel			1583	1779
12	Screen	Steel			1779	1799
12	Blank	Steel			1799	1801
12	Screen	Steel			1801	1818
12	Blank	Steel			1818	1848
12	Screen	Steel			1848	1863
12	Blank	Steel			1863	1865
12	Screen	Steel			1865	1878
12	Blank	Steel			1878	1950
12	Screen	Steel			1950	1969
12	Blank	Steel			1969	1993

Well Tests - No Data

Lithology - No Data

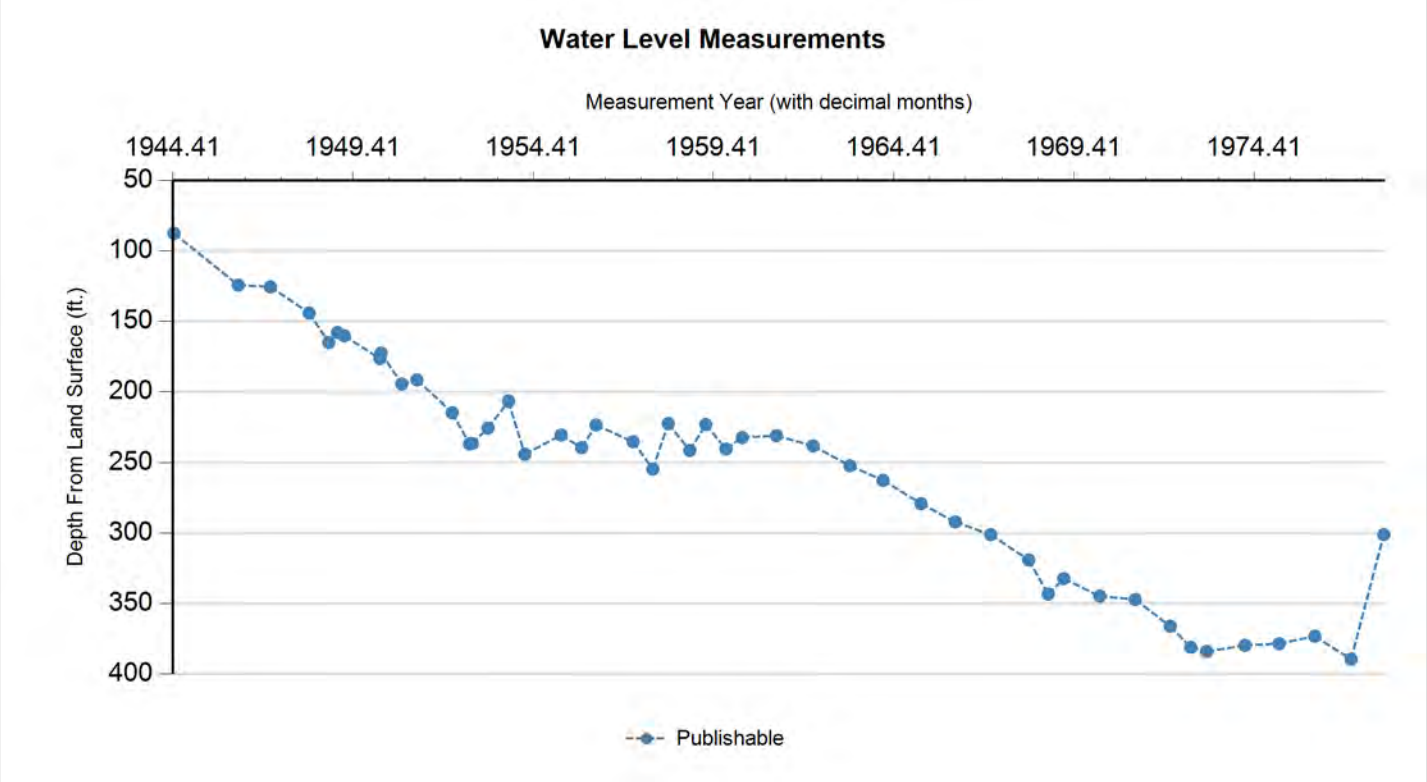
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/12/1944		87.6		-37.6	1	U.S. Geological Survey	Steel Tape		
P	3/23/1946		124.4	36.80	-74.4	1	U.S. Geological Survey	Steel Tape		
P	2/13/1947		125.62	1.22	-75.62	1	U.S. Geological Survey	Steel Tape		
P	3/11/1948		144.12	18.50	-94.12	1	U.S. Geological Survey	Steel Tape		
P	9/30/1948		165.1	20.98	-115.1	1	U.S. Geological Survey	Steel Tape		
P	12/28/1948		158.01	(7.09)	-108.01	1	U.S. Geological Survey	Steel Tape		
P	3/2/1949		160.34	2.33	-110.34	1	U.S. Geological Survey	Steel Tape		
P	2/28/1950		176.5	16.16	-126.5	1	U.S. Geological Survey	Steel Tape		
P	3/9/1950		172.59	(3.91)	-122.59	1	U.S. Geological Survey	Steel Tape		
P	10/10/1950		194.46	21.87	-144.46	1	U.S. Geological Survey	Steel Tape		
P	3/8/1951		191.61	(2.85)	-141.61	1	U.S. Geological Survey	Steel Tape		
P	2/29/1952		214.45	22.84	-164.45	1	U.S. Geological Survey	Steel Tape		
P	8/26/1952		236.5	22.05	-186.5	1	U.S. Geological Survey	Steel Tape		
P	9/23/1952		236.36	(0.14)	-186.36	1	U.S. Geological Survey	Steel Tape		
P	2/27/1953		225.32	(11.04)	-175.32	1	U.S. Geological Survey	Steel Tape		
P	9/25/1953		206.5	(18.82)	-156.5	1	U.S. Geological Survey	Steel Tape		
P	3/4/1954		244.02	37.52	-194.02	1	U.S. Geological Survey	Steel Tape		
P	3/8/1955		230.33	(13.69)	-180.33	1	U.S. Geological Survey	Steel Tape		
P	10/6/1955		239.29	8.96	-189.29	1	U.S. Geological Survey	Steel Tape		
P	2/27/1956		223.18	(16.11)	-173.18	1	U.S. Geological Survey	Steel Tape		
P	3/7/1957		235.08	11.90	-185.08	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-406

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/27/1957		254.5	19.42	-204.5	1	U.S. Geological Survey	Steel Tape		
P	2/28/1958		222.18	(32.32)	-172.18	1	U.S. Geological Survey	Steel Tape		
P	10/7/1958		241.31	19.13	-191.31	1	U.S. Geological Survey	Steel Tape		
P	3/13/1959		222.87	(18.44)	-172.87	1	U.S. Geological Survey	Steel Tape		
P	10/8/1959		240.29	17.42	-190.29	1	U.S. Geological Survey	Steel Tape		
P	3/17/1960		232.1	(8.19)	-182.1	1	U.S. Geological Survey	Steel Tape		
P	2/27/1961		230.75	(1.35)	-180.75	1	U.S. Geological Survey	Steel Tape		
P	3/5/1962		238	7.25	-188	1	U.S. Geological Survey	Steel Tape		
P	3/13/1963		252.1	14.10	-202.1	1	U.S. Geological Survey	Steel Tape		
P	2/14/1964		262.5	10.40	-212.5	1	U.S. Geological Survey	Steel Tape		
P	3/2/1965		279	16.50	-229	1	U.S. Geological Survey	Steel Tape		
P	2/15/1966		292	13.00	-242	1	U.S. Geological Survey	Steel Tape		
P	2/9/1967		301	9.00	-251	1	U.S. Geological Survey	Air Line		
P	2/28/1968		319	18.00	-269	1	U.S. Geological Survey	Air Line		
P	9/16/1968		343.2	24.20	-293.2	1	U.S. Geological Survey	Steel Tape		
P	2/17/1969		332.2	(11.00)	-282.2	1	U.S. Geological Survey	Steel Tape		
P	2/18/1970		344.67	12.47	-294.67	1	U.S. Geological Survey	Steel Tape		
P	2/11/1971		347.02	2.35	-297.02	1	U.S. Geological Survey	Steel Tape		
P	1/31/1972		366	18.98	-316	1	U.S. Geological Survey	Air Line		
P	7/0/1972		381	15.00	-331	1	Private Firm or Industry	Air Line		
P	2/5/1973		383.9	2.90	-333.9	1	U.S. Geological Survey	Electric Line		
P	2/28/1974		379.6	(4.30)	-329.6	1	U.S. Geological Survey	Electric Line		
P	2/10/1975		378.4	(1.20)	-328.4	1	U.S. Geological Survey	Electric Line		
P	2/5/1976		373.1	(5.30)	-323.1	1	U.S. Geological Survey	Electric Line		
P	2/8/1977		389.48	16.38	-339.48	1	U.S. Geological Survey	Steel Tape		
P	1/4/1978		300.95	(88.53)	-250.95	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 5/0/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		337.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		412	mg/L	
00910	CALCIUM (MG/L)		7	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		100	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		25	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.23		
00955	SILICA, DISSOLVED (MG/L AS SI02)		38	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		18.19		
00932	SODIUM, CALCULATED, PERCENT		94	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		212	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		909	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		566	mg/L	

Water Quality Analysis

Sample Date: 3/22/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		322.86	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		394	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		102	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		25	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		903	MICR	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		281.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		756	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		729	MICR	

Water Quality Analysis

Sample Date: 3/21/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		296.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		362	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		84	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		811	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		263.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		321	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		709	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		336	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		703	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/25/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		689	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/2/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		266.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		325	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		699	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/27/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		697	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/12/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		346	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		75	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		744	MICR	

Water Quality Analysis

Sample Date: 2/26/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		696	MICR	

Water Quality Analysis

Sample Date: 2/26/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		699	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/13/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		697	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/9/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		269.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		329	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		689	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/12/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		695	MICR	

Water Quality Analysis

Sample Date: 2/17/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		277.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		338	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		716	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/18/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		696	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/28/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		726	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/13/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		709	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/15/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		273.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/18/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		701	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/17/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		701	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 1/28/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		715	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/2/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		716	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/26/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		696	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 2/3/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		269.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		329	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		721	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/4/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		695	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/9/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		261.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		319	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		57	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		658	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		20	C	

Water Quality Analysis

Sample Date: 2/8/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		259.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		317	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		57	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		663	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/18/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		602	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 407 Previous Well Number - 664 County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 39 Longitude - 95 20 36 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hunt-Wesson Foods, Inc
Well #3
Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1946 Depth - 782 ft. Source of Depth - Altitude - 53 ft. Source of Alt. -
Aquifer - 112CEVG CHICOT AND EVANGELINE AQUIFERS Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 50

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- INDUSTRIAL Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- H Quality- N Logs- Other Data-

WATER LEVELS
Date- 09/03/1946 Measurement- -145.30
Date- 01/11/1979 Measurement- -425.00

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
115 ft of screen between 464 and
767 ft.

Aquifer - 112CEVG
Well No. - 65 14 407

WRD Exp. (GW)
April 1966

Well No. J-65-14-407

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by G.D. McAdoo C.F. Follett 1946 — Source of data File — Date 1-19-68 — Map 1:24000 Settegast 1955

State Texas [48] — County (or town) Harris [LJ]

Latitude: 29 47 38 N (deg, min, sec) — Longitude: 095 20 35 (degrees, min, sec) — Sequential number: 1

Lat-long accuracy: 1 — T. ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-14-407 — Other number: B & M 664 #3

Local use: — Owner or name: Hunt-Wesson Foods, Inc.

Owner or name: HUNT FOODS — Address: Houston, Texas

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — N

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data 2 — Freq. W/L meas.: Semiannual 1946-1968 [5] — Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: None — Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: F-Log (U-27) — E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 782 ft [782] — Meas. (rept) Driller accuracy [3]

Depth cased: (first perf.) 464 ft [464] — Casing type: S; Diam. 14-7 in [14]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: Aug 1946 [946] — Pump intake setting: ___ ft

Driller: Layne-Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T — (Deep) Shallow — D

Power (type): diesel, (elec) nat gas, gasoline, hand, LP gas, wind; H.P. 50 — V — Trans. or meter no.

Descrip. MP ___ ft above below LSD, Alt. MP

Alt. LSD: 53 [53] — Accuracy: (source) Topo 5' — 3

Water Level 157 ft above below MP; Ft above below LSD [157] — Accuracy: rept. wp

Date meas: Aug. 1946 — Yield: ___ gpm — Method determined

Drawdown: ___ ft — Accuracy: — Pumping period ___ hrs

QUALITY OF WATER DATA: Iron ___ ppm — Sulfate ___ ppm — Chloride ___ ppm — Hard. ___ ppm

Sp. Conduct ___ K x 10^6 — Temp. ___ °F — Date sampled

Taste, color, etc.

Well No. LJ-65-14-407

Well No. LJ-65-14-407

Latitude-longitude 29 47 38 (N) S 095 20 35.1
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain 03 (20–21) Section: Select

GCP E (22) Drainage Basin: 51R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31)

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: 115 ft 115 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series Q (44–45) aquifer, formation, group CL (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: 37 464-501; 20 502-522; 31 684-715; 17 717-734; 10 757-767.

Depth to consolidated rock: ft (60–67) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

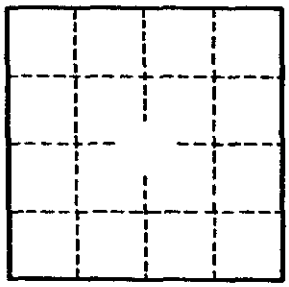
Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)

455 of 14" O.D. Pipe
116' Lap of 7" Liner in 14" csg.
340 Top of 7" liner.

P/L = 242'
10 min recovery = 157'.



Well No. LJ-65-14-407

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-407

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514407
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.794167
Latitude (degrees minutes seconds)	29° 47' 39" N
Longitude (decimal degrees)	-95.343334
Longitude (degrees minutes seconds)	095° 20' 36" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	53
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	782
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1946
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Hunt-Wesson Foods, Inc Well #3
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	115 ft of screen between 464 and 767 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

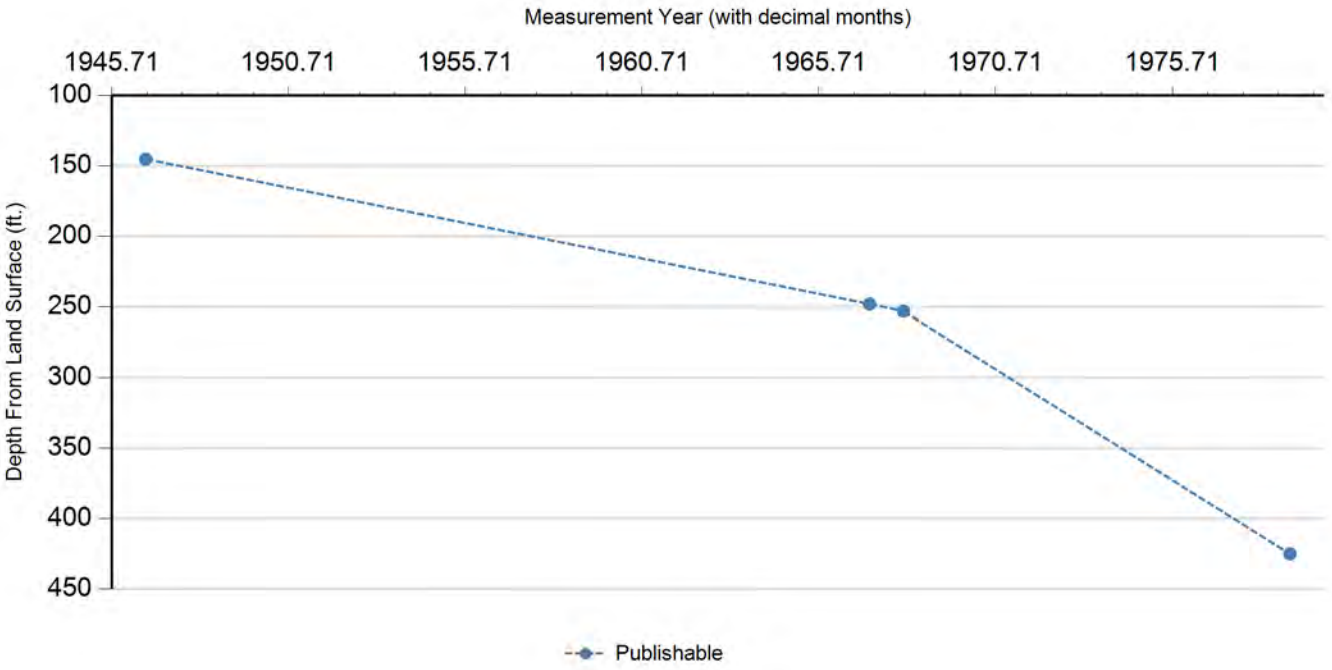
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-407

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/3/1946		145.3		-92.3	1	Registered Water Well Driller	Unknown		
P	2/21/1967		248.04	102.74	-195.04	1	U.S. Geological Survey	Steel Tape		
P	2/6/1968		253.1	5.06	-200.1	1	U.S. Geological Survey	Steel Tape		
P	1/11/1979		425	171.90	-372	1	U.S. Geological Survey	Air Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 408 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 44 Longitude - 95 20 38 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hunt-Wesson Foods, Inc
Well #4
Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - 09/ /1948 Depth - 1,022 ft. Source of Depth - D Altitude - 52 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 01/22/1999

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 14 408

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-408

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514408
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.795556
Latitude (degrees minutes seconds)	29° 47' 44" N
Longitude (decimal degrees)	-95.343889
Longitude (degrees minutes seconds)	095° 20' 38" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1022
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	9/0/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Hunt-Wesson Foods, Inc Well #4
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-409

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

1:24000

Record by G. McAdoo, R.K. Gabry Jan 1963 Source of data File Date 3-4-68 Map Scarsdale 1955

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 49 01 N Longitude: 095 22 10 Sequential number: 1

Lat-long accuracy: 1 T. S, R W, Sec , k, k, k

Local well number: LJ-65-14-409 Other number: B & M # 4 H-40

Local use: Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: Lindale Park. King St.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — [U]

DATA AVAILABLE: Well data [2] Freq. W/L meas.: A-35 recorder Continuous 1956 - — [C] Field aquifer char.

Hyd. lab. data:

Qual. water date; type:

Freq. sampling: None Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: E-Log U-21 0-1200 [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1152 ft 1152 Meas. (est) Driller accuracy [3]

Depth cased: (first perf.) 732 ft 732 Casing type: S ; Diam. 16-5/8 in [16]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other — [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) Hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — [H]

Date Drilled: June 1947 9 4 7 Pump intake setting: ft

Driller: Layne-Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — [N] Deep / Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat LP H.P. none Trans. or meter no.

Descrip. MP top 16" casing +0.5 ft above / below LSD. Alt. MP

Alt. LSD: 66 66 Accuracy: (source) Topo 5' [3]

Water Level 140 ft above / below MP; Ft above / below LSD 140 Accuracy: rept.

Date meas: June 1947 6 4 7 Yield: 1040 gpm 1040 Method determined

Drawdown: 48 ft 48 Accuracy: WD rept Pumping period — hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-14-409

pl 189 140/49

Well No. LJ-65-14-409

Latitude-longitude 29 d 49 m 01 s (N) 095 d 22 m 10 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) | Physiographic Province: Coastal Plains | 03 (20–21) | Section: _____

F (22) | Drainage Basin: _____ | 51R (23–25) | Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27) F

MAJOR AQUIFER: _____ system, _____ series | T (28–29) | _____ aquifer, formation, group | E (30–31) ✓

Lithology: _____ (32–33) | Origin: _____ (34) | Aquifer Thickness: _____ ft

(35–37) | Length of well open to: ✓ 166 ft | 166 (38–40) | Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) | Origin: _____ (50) | Aquifer Thickness: _____ ft

(51–53) | Length of well open to: _____ ft (20) (20) | (54–56) | Depth to top of: _____ ft (62) (64) (57–59)

* Intervals Screened: 732-752; 809-829; 967-1029; 1076-1140. Adm. Br. ww scr.

Depth to consolidated rock: _____ ft (60–63) | Source of data: _____ (64)

Depth to basement: _____ ft (65–68) | Source of data: _____ (69)

Surficial material: _____ (70–71) | Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) | Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

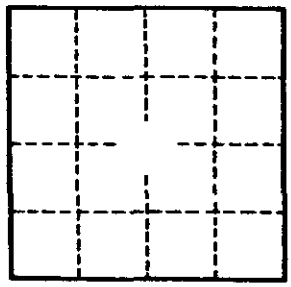
CSG:

0-546 = 16"

441-1152 = 8 5/8"

recorder installed 7-31-64.

* All scr. .025 ga. except bottom .020 ga.



Well No. LJ-65-14-409

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-409

GWDB Reports and Downloads | **Well Basic Details** | Scanned Documents

State Well Number	6514409
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.8172222
Latitude (degrees minutes seconds)	29° 49' 02" N
Longitude (decimal degrees)	-95.3694444
Longitude (degrees minutes seconds)	095° 22' 10" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	66
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1152
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	6/0/1947
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	TWDB Recorder Well
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Lindale Park
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294901095221001
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/29/2010
Last Update Date	2/2/2021

Remarks	166 ft of screen between 732 and 1140 ft. Reported yield 1040 gpm with 48 ft drawdown when drilled. Well 4. Transducer; Sutron.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
5	Screen				732	752
5	Screen				809	829
5	Screen				967	1029
5	Screen				1076	1140

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

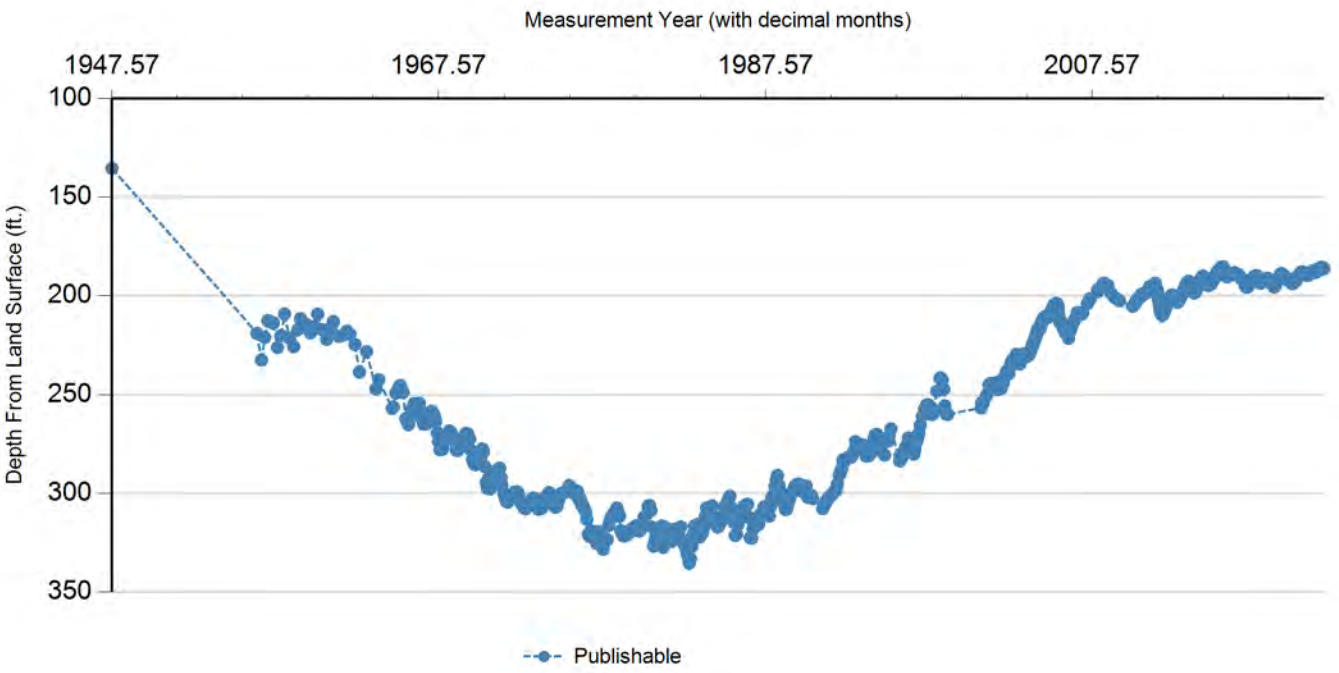
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/0/1947		135.5		-69.5	1	U.S. Geological Survey	Steel Tape		
P	6/13/1956		218.8	83.30	-152.8	1	U.S. Geological Survey	Steel Tape		
P	9/25/1956		232.38	13.58	-166.38	1	U.S. Geological Survey	Steel Tape		
P	12/10/1956		220.81	(11.57)	-154.81	1	U.S. Geological Survey	Steel Tape		
P	2/14/1957		212.59	(8.22)	-146.59	1	U.S. Geological Survey	Steel Tape		
P	6/14/1957		213.72	1.13	-147.72	1	U.S. Geological Survey	Steel Tape		
P	9/20/1957		225.99	12.27	-159.99	1	U.S. Geological Survey	Steel Tape		
P	12/12/1957		219.89	(6.10)	-153.89	1	U.S. Geological Survey	Steel Tape		
P	2/20/1958		209.31	(10.58)	-143.31	1	U.S. Geological Survey	Steel Tape		
P	6/13/1958		221.35	12.04	-155.35	1	U.S. Geological Survey	Steel Tape		
P	9/16/1958		225.56	4.21	-159.56	1	U.S. Geological Survey	Steel Tape		
P	12/19/1958		216.93	(8.63)	-150.93	1	U.S. Geological Survey	Steel Tape		
P	2/12/1959		211.66	(5.27)	-145.66	1	U.S. Geological Survey	Steel Tape		
P	6/18/1959		214.52	2.86	-148.52	1	U.S. Geological Survey	Steel Tape		
P	9/25/1959		218.64	4.12	-152.64	1	U.S. Geological Survey	Steel Tape		
P	12/17/1959		215.65	(2.99)	-149.65	1	U.S. Geological Survey	Steel Tape		
P	3/1/1960		209.34	(6.31)	-143.34	1	U.S. Geological Survey	Steel Tape		
P	6/2/1960		216.88	7.54	-150.88	1	U.S. Geological Survey	Steel Tape		
P	9/21/1960		221.87	4.99	-155.87	1	U.S. Geological Survey	Steel Tape		
P	12/28/1960		215.97	(5.90)	-149.97	1	U.S. Geological Survey	Steel Tape		
P	2/15/1961		213.14	(2.83)	-147.14	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/15/1961		220.31	7.17	-154.31	1	U.S. Geological Survey	Steel Tape		
P	9/19/1961		219.75	(0.56)	-153.75	1	U.S. Geological Survey	Steel Tape		
P	12/19/1961		217.68	(2.07)	-151.68	1	U.S. Geological Survey	Steel Tape		
P	2/21/1962		219.2	1.52	-153.2	1	U.S. Geological Survey	Steel Tape		
P	6/14/1962		224.48	5.28	-158.48	1	U.S. Geological Survey	Steel Tape		
P	9/25/1962		238.49	14.01	-172.49	1	U.S. Geological Survey	Steel Tape		
P	2/26/1963		228.14	(10.35)	-162.14	1	U.S. Geological Survey	Steel Tape		
P	9/27/1963		247.03	18.89	-181.03	1	U.S. Geological Survey	Steel Tape		
P	12/2/1963		242.32	(4.71)	-176.32	1	U.S. Geological Survey	Steel Tape		
P	9/24/1964		256.89	14.57	-190.89	1	U.S. Geological Survey	Steel Tape		
P	10/23/1964		256.14	(0.75)	-190.14	1	U.S. Geological Survey	Steel Tape		
P	12/21/1964		249.13	(7.01)	-183.13	1	U.S. Geological Survey	Steel Tape		
P	1/25/1965		247.44	(1.69)	-181.44	1	U.S. Geological Survey	Steel Tape		
P	2/25/1965		245.96	(1.48)	-179.96	1	U.S. Geological Survey	Steel Tape		
P	3/24/1965		245.21	(0.75)	-179.21	1	U.S. Geological Survey	Steel Tape		
P	4/23/1965		248.57	3.36	-182.57	1	U.S. Geological Survey	Steel Tape		
P	5/24/1965		248.7	0.13	-182.7	1	U.S. Geological Survey	Steel Tape		
P	7/23/1965		262.07	13.37	-196.07	1	U.S. Geological Survey	Steel Tape		
P	8/24/1965		263.56	1.49	-197.56	1	U.S. Geological Survey	Steel Tape		
P	9/24/1965		265.1	1.54	-199.1	1	U.S. Geological Survey	Steel Tape		
P	10/25/1965		262.49	(2.61)	-196.49	1	U.S. Geological Survey	Steel Tape		
P	11/24/1965		259.62	(2.87)	-193.62	1	U.S. Geological Survey	Steel Tape		
P	12/9/1965		257.13	(2.49)	-191.13	1	U.S. Geological Survey	Steel Tape		
P	1/24/1966		254.33	(2.80)	-188.33	1	U.S. Geological Survey	Steel Tape		
P	2/24/1966		255.23	0.90	-189.23	1	U.S. Geological Survey	Steel Tape		
P	3/24/1966		255.4	0.17	-189.4	1	U.S. Geological Survey	Steel Tape		
P	4/24/1966		254.4	(1.00)	-188.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1966		254.3	(0.10)	-188.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/1966		258.3	4.00	-192.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1966		261.6	3.30	-195.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/1966		264.8	3.20	-198.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1966		264	(0.80)	-198	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1966		264.7	0.70	-198.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/24/1966		263.9	(0.80)	-197.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/24/1966		260.5	(3.40)	-194.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/24/1967		259.9	(0.60)	-193.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/1967		258.3	(1.60)	-192.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/1967		259.5	1.20	-193.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1967		260.8	1.30	-194.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1967		263.5	2.70	-197.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/1967		269.1	5.60	-203.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1967		273.6	4.50	-207.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/1967		277.8	4.20	-211.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1967		277	(0.80)	-211	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1967		277.6	0.60	-211.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/24/1967		274	(3.60)	-208	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/24/1967		272.3	(1.70)	-206.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/24/1968		270.7	(1.60)	-204.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/1968		269.9	(0.80)	-203.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/1968		268.2	(1.70)	-202.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1968		268.9	0.70	-202.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1968		270	1.10	-204	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/24/1968		271.5	1.50	-205.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1968		273.6	2.10	-207.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/1968		278	4.40	-212	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1968		278.2	0.20	-212.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1968		277.4	(0.80)	-211.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/24/1968		276.1	(1.30)	-210.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/24/1968		274	(2.10)	-208	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/24/1969		272.6	(1.40)	-206.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/1969		271.3	(1.30)	-205.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/1969		269.5	(1.80)	-203.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1969		269.9	0.40	-203.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/7/1969		269.7	(0.20)	-203.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/1969		272.4	2.70	-206.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1969		278.2	5.80	-212.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/1969		282.9	4.70	-216.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1969		284.9	2.00	-218.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1969		285.4	0.50	-219.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/23/1969		282.1	(3.30)	-216.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/23/1969		280.29	(1.81)	-214.29	1	U.S. Geological Survey	Steel Tape		
P	1/23/1970		280.47	0.18	-214.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/28/1970		280.29	(0.18)	-214.29	1	U.S. Geological Survey	Steel Tape		
P	2/24/1970		281.64	1.35	-215.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/1970		277.32	(4.32)	-211.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1970		278.83	1.51	-212.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/1970		286.27	7.44	-220.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/1970		294.47	8.20	-228.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/23/1970		297.36	2.89	-231.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/1970		294.06	(3.30)	-228.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/1970		292.16	(1.90)	-226.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1970		297.69	5.53	-231.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/22/1970		294.4	(3.29)	-228.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/24/1970		292.91	(1.49)	-226.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/23/1970		289.96	(2.95)	-223.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/14/1971		289.69	(0.27)	-223.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/1971		288.51	(1.18)	-222.51	1	U.S. Geological Survey	Steel Tape		
P	2/17/1971		288.76	0.25	-222.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/1971		289	0.24	-223	1	Texas Water Development Board	Steel Tape		
P	3/30/1971		287.43	(1.57)	-221.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/23/1971		287.18	(0.25)	-221.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1971		292.06	4.88	-226.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/1971		295.95	3.89	-229.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/23/1971		299.82	3.87	-233.82	1	U.S. Geological Survey	Steel Tape		
P	8/24/1971		302.08	2.26	-236.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1971		304	1.92	-238	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/22/1971		304.39	0.39	-238.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/24/1971		303.15	(1.24)	-237.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/22/1971		301.47	(1.68)	-235.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/24/1972		300.87	(0.60)	-234.87	1	U.S. Geological Survey	Steel Tape		
P	2/24/1972		300.01	(0.86)	-234.01	1	U.S. Geological Survey	Steel Tape		
P	3/24/1972		299.17	(0.84)	-233.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1972		299.88	0.71	-233.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1972		299.16	(0.72)	-233.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/23/1972		300.99	1.83	-234.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1972		304.2	3.21	-238.2	1	U.S. Geological Survey	Steel Tape		
P	8/24/1972		305.34	1.14	-239.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1972		307.36	2.02	-241.36	1	U.S. Geological Survey	Steel Tape		
P	11/22/1972		307.76	0.40	-241.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/21/1972		306.36	(1.40)	-240.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/23/1973		304.65	(1.71)	-238.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/23/1973		303.38	(1.27)	-237.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1973		302.42	(0.96)	-236.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1973		302.25	(0.17)	-236.25	1	U.S. Geological Survey	Steel Tape		
P	6/22/1973		305.1	2.85	-239.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1973		306.57	1.47	-240.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/24/1973		307.79	1.22	-241.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1973		307.88	0.09	-241.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1973		307.33	(0.55)	-241.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/16/1973		307.6	0.27	-241.6	1	U.S. Geological Survey	Steel Tape		
P	12/20/1973		304.49	(3.11)	-238.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/21/1974		301.88	(2.61)	-235.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/22/1974		303.1	1.22	-237.1	1	U.S. Geological Survey	Steel Tape		
P	3/22/1974		301.14	(1.96)	-235.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1974		299.49	(1.65)	-233.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1974		300.17	0.68	-234.17	1	U.S. Geological Survey	Steel Tape		
P	6/24/1974		301.93	1.76	-235.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1974		304.76	2.83	-238.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/26/1974		306.55	1.79	-240.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1974		306.94	0.39	-240.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1974		306.58	(0.36)	-240.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/21/1974		304.02	(2.56)	-238.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/1974		302.02	(2.00)	-236.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/24/1975		299.95	(2.07)	-233.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/1975		299.9	(0.05)	-233.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/1975		299.45	(0.45)	-233.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1975		299.33	(0.12)	-233.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/25/1975		298.01	(1.32)	-232.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/1975		295.9	(2.11)	-229.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/1975		297.27	1.37	-231.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1975		297.38	0.11	-231.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/1975		299.03	1.65	-233.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/24/1975		300.23	1.20	-234.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/22/1975		299.88	(0.35)	-233.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/23/1976		298.92	(0.96)	-232.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/1976		302.92	4.00	-236.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/1976		302.56	(0.36)	-236.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/23/1976		305.85	3.29	-239.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1976		305.82	(0.03)	-239.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/1976		307.82	2.00	-241.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/23/1976		309.02	1.20	-243.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/1976		313.11	4.09	-247.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1976		320.66	7.55	-254.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/22/1976		321.7	1.04	-255.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/24/1976		318.98	(2.72)	-252.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/22/1976		319.85	0.87	-253.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/21/1977		320.18	0.33	-254.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/23/1977		320.69	0.51	-254.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/1977		325.18	4.49	-259.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/22/1977		319.28	(5.90)	-253.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1977		320.53	1.25	-254.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/23/1977		324.08	3.55	-258.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/1977		327.07	2.99	-261.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/23/1977		328.34	1.27	-262.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/23/1977		324.61	(3.73)	-258.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/21/1977		323.66	(0.95)	-257.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/23/1977		323.38	(0.28)	-257.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/22/1977		316.28	(7.10)	-250.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/24/1978		313.34	(2.94)	-247.34	1	U.S. Geological Survey	Steel Tape		
P	2/24/1978		311.82	(1.52)	-245.82	1	U.S. Geological Survey	Steel Tape		
P	3/29/1978		310.61	(1.21)	-244.61	1	U.S. Geological Survey	Steel Tape		
P	4/24/1978		309.88	(0.73)	-243.88	1	U.S. Geological Survey	Steel Tape		
P	5/24/1978		310.94	1.06	-244.94	1	U.S. Geological Survey	Steel Tape		
P	6/23/1978		307.37	(3.57)	-241.37	1	U.S. Geological Survey	Steel Tape		
P	7/24/1978		309.72	2.35	-243.72	1	U.S. Geological Survey	Steel Tape		
P	8/24/1978		311.63	1.91	-245.63	1	U.S. Geological Survey	Steel Tape		
P	9/22/1978		318.8	7.17	-252.8	1	U.S. Geological Survey	Steel Tape		
P	10/23/1978		320.43	1.63	-254.43	1	U.S. Geological Survey	Steel Tape		
P	11/24/1978		321.5	1.07	-255.5	1	U.S. Geological Survey	Steel Tape		
P	12/22/1978		320.58	(0.92)	-254.58	1	U.S. Geological Survey	Steel Tape		
P	1/24/1979		321.15	0.57	-255.15	1	U.S. Geological Survey	Steel Tape		
P	2/22/1979		319.41	(1.74)	-253.41	1	U.S. Geological Survey	Steel Tape		
P	3/23/1979		320.01	0.60	-254.01	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/24/1979		318.41	(1.60)	-252.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1979		317.77	(0.64)	-251.77	1	U.S. Geological Survey	Steel Tape		
P	6/22/1979		317.97	0.20	-251.97	1	U.S. Geological Survey	Steel Tape		
P	7/23/1979		317.88	(0.09)	-251.88	1	U.S. Geological Survey	Steel Tape		
P	8/24/1979		316.33	(1.55)	-250.33	1	U.S. Geological Survey	Steel Tape		
P	9/24/1979		317.99	1.66	-251.99	1	U.S. Geological Survey	Steel Tape		
P	10/24/1979		319.05	1.06	-253.05	1	U.S. Geological Survey	Steel Tape		
P	11/23/1979		318.88	(0.17)	-252.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/21/1979		317.34	(1.54)	-251.34	1	U.S. Geological Survey	Steel Tape		
P	1/24/1980		315.97	(1.37)	-249.97	1	U.S. Geological Survey	Steel Tape		
P	2/21/1980		311.94	(4.03)	-245.94	1	U.S. Geological Survey	Steel Tape		
P	3/24/1980		311.36	(0.58)	-245.36	1	U.S. Geological Survey	Steel Tape		
P	4/24/1980		310.43	(0.93)	-244.43	1	U.S. Geological Survey	Steel Tape		
P	5/23/1980		306.29	(4.14)	-240.29	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		306.06	(0.23)	-240.06	1	U.S. Geological Survey	Steel Tape		
P	7/24/1980		308.58	2.52	-242.58	1	U.S. Geological Survey	Steel Tape		
P	8/22/1980		317.1	8.52	-251.1	1	U.S. Geological Survey	Steel Tape		
P	9/25/1980		326.66	9.56	-260.66	1	U.S. Geological Survey	Steel Tape		
P	10/24/1980		323.77	(2.89)	-257.77	1	U.S. Geological Survey	Steel Tape		
P	11/24/1980		320.86	(2.91)	-254.86	1	U.S. Geological Survey	Steel Tape		
P	12/23/1980		319.22	(1.64)	-253.22	1	U.S. Geological Survey	Steel Tape		
P	1/23/1981		317.45	(1.77)	-251.45	1	U.S. Geological Survey	Steel Tape		
P	2/24/1981		318.02	0.57	-252.02	1	U.S. Geological Survey	Unknown		
P	3/24/1981		316.39	(1.63)	-250.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/24/1981		327.37	10.98	-261.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/22/1981		316.99	(10.38)	-250.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/1981		318.27	1.28	-252.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/24/1981		319.48	1.21	-253.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/1981		320.6	1.12	-254.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1981		323	2.40	-257	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/23/1981		324.36	1.36	-258.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/30/1981		318.15	(6.21)	-252.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/23/1981		318.09	(0.06)	-252.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/21/1982		320.15	2.06	-254.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/22/1982		320.15	0.00	-254.15	1	U.S. Geological Survey	Unknown		
P	2/24/1982		320.45	0.30	-254.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/1982		319.84	(0.61)	-253.84	1	U.S. Geological Survey	Unknown		
P	3/24/1982		318.59	(1.25)	-252.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/23/1982		317.49	(1.10)	-251.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/24/1982		316.91	(0.58)	-250.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/1982		323.34	6.43	-257.34	1	U.S. Geological Survey	Unknown		
P	7/23/1982		325.4	2.06	-259.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/23/1982		325.13	(0.27)	-259.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/1982		328.68	3.55	-262.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/22/1982		331.2	2.52	-265.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/24/1982		334	2.80	-268	1	U.S. Geological Survey	Steel Tape		
P	12/1/1982		335.31	1.31	-269.31	1	U.S. Geological Survey	Unknown		
P	12/22/1982		333.02	(2.29)	-267.02	1	U.S. Geological Survey	Unknown		
P	12/23/1982		333.02	0.00	-267.02	1	U.S. Geological Survey	Steel Tape		
P	1/24/1983		326.94	(6.08)	-260.94	1	U.S. Geological Survey	Steel Tape		
P	2/24/1983		320.68	(6.26)	-254.68	1	U.S. Geological Survey	Steel Tape		
P	3/24/1983		316.43	(4.25)	-250.43	1	U.S. Geological Survey	Steel Tape		
P	4/22/1983		317.12	0.69	-251.12	1	U.S. Geological Survey	Steel Tape		
P	5/23/1983		315.71	(1.41)	-249.71	1	U.S. Geological Survey	Steel Tape		
P	6/24/1983		319.16	3.45	-253.16	1	U.S. Geological Survey	Steel Tape		
P	7/22/1983		322.01	2.85	-256.01	1	U.S. Geological Survey	Steel Tape		
P	8/24/1983		320.41	(1.60)	-254.41	1	U.S. Geological Survey	Steel Tape		
P	9/23/1983		319.74	(0.67)	-253.74	1	U.S. Geological Survey	Steel Tape		
P	10/24/1983		316.95	(2.79)	-250.95	1	U.S. Geological Survey	Steel Tape		
P	11/25/1983		311.35	(5.60)	-245.35	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/22/1983		307.35	(4.00)	-241.35	1	U.S. Geological Survey	Steel Tape		
P	1/24/1984		314.37	7.02	-248.37	1	U.S. Geological Survey	Steel Tape		
P	2/24/1984		309.42	(4.95)	-243.42	1	U.S. Geological Survey	Steel Tape		
P	3/23/1984		307.19	(2.23)	-241.19	1	U.S. Geological Survey	Steel Tape		
P	4/19/1984		306.27	(0.92)	-240.27	1	U.S. Geological Survey	Steel Tape		
P	6/1/1984		312.89	6.62	-246.89	1	U.S. Geological Survey	Steel Tape		
P	6/22/1984		313.84	0.95	-247.84	1	U.S. Geological Survey	Steel Tape		
P	7/24/1984		313.8	(0.04)	-247.8	1	U.S. Geological Survey	Steel Tape		
P	8/24/1984		317.05	3.25	-251.05	1	U.S. Geological Survey	Steel Tape		
P	9/24/1984		316.22	(0.83)	-250.22	1	U.S. Geological Survey	Steel Tape		
P	10/22/1984		315.05	(1.17)	-249.05	1	U.S. Geological Survey	Steel Tape		
P	11/21/1984		311.53	(3.52)	-245.53	1	U.S. Geological Survey	Steel Tape		
P	12/24/1984		312.8	1.27	-246.8	1	U.S. Geological Survey	Steel Tape		
P	1/24/1985		306.51	(6.29)	-240.51	1	U.S. Geological Survey	Steel Tape		
P	2/22/1985		307.25	0.74	-241.25	1	U.S. Geological Survey	Steel Tape		
P	3/22/1985		304.48	(2.77)	-238.48	1	U.S. Geological Survey	Steel Tape		
P	4/24/1985		302.59	(1.89)	-236.59	1	U.S. Geological Survey	Steel Tape		
P	5/24/1985		301.42	(1.17)	-235.42	1	U.S. Geological Survey	Steel Tape		
P	6/24/1985		307.14	5.72	-241.14	1	U.S. Geological Survey	Steel Tape		
P	7/24/1985		308.77	1.63	-242.77	1	U.S. Geological Survey	Steel Tape		
P	8/23/1985		314.7	5.93	-248.7	1	U.S. Geological Survey	Steel Tape		
P	9/24/1985		321.29	6.59	-255.29	1	U.S. Geological Survey	Steel Tape		
P	10/24/1985		320.58	(0.71)	-254.58	1	U.S. Geological Survey	Steel Tape		
P	11/22/1985		315.8	(4.78)	-249.8	1	U.S. Geological Survey	Steel Tape		
P	12/20/1985		313.7	(2.10)	-247.7	1	U.S. Geological Survey	Steel Tape		
P	1/24/1986		312.57	(1.13)	-246.57	1	U.S. Geological Survey	Steel Tape		
P	2/24/1986		308.52	(4.05)	-242.52	1	U.S. Geological Survey	Steel Tape		
P	3/24/1986		306.52	(2.00)	-240.52	1	U.S. Geological Survey	Unknown		
P	4/23/1986		307.5	0.98	-241.5	1	U.S. Geological Survey	Unknown		
P	5/23/1986		305.6	(1.90)	-239.6	1	U.S. Geological Survey	Unknown		
P	6/24/1986		305.4	(0.20)	-239.4	1	U.S. Geological Survey	Unknown		
P	7/24/1986		312	6.60	-246	1	U.S. Geological Survey	Unknown		
P	8/21/1986		322.49	10.49	-256.49	1	U.S. Geological Survey	Unknown		
P	9/24/1986		322.66	0.17	-256.66	1	U.S. Geological Survey	Unknown		
P	10/24/1986		318.22	(4.44)	-252.22	1	U.S. Geological Survey	Unknown		
P	11/21/1986		315.6	(2.62)	-249.6	1	U.S. Geological Survey	Unknown		
P	12/22/1986		312.56	(3.04)	-246.56	1	U.S. Geological Survey	Unknown		
P	1/23/1987		315.51	2.95	-249.51	1	U.S. Geological Survey	Unknown		
P	2/25/1987		315.65	0.14	-249.65	1	U.S. Geological Survey	Unknown		
P	3/24/1987		310.81	(4.84)	-244.81	1	U.S. Geological Survey	Unknown		
P	4/23/1987		310.24	(0.57)	-244.24	1	U.S. Geological Survey	Unknown		
P	5/22/1987		309.66	(0.58)	-243.66	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/24/1987		306.77	(2.89)	-240.77	1	U.S. Geological Survey	Unknown		
P	7/24/1987		308.12	1.35	-242.12	1	U.S. Geological Survey	Unknown		
P	8/24/1987		309.82	1.70	-243.82	1	U.S. Geological Survey	Unknown		
P	9/24/1987		310.92	1.10	-244.92	1	U.S. Geological Survey	Unknown		
P	10/23/1987		311.5	0.58	-245.5	1	U.S. Geological Survey	Unknown		
P	11/24/1987		306.5	(5.00)	-240.5	1	U.S. Geological Survey	Unknown		
P	12/17/1987		302.22	(4.28)	-236.22	1	U.S. Geological Survey	Unknown		
P	1/21/1988		300.76	(1.46)	-234.76	1	U.S. Geological Survey	Unknown		
P	2/24/1988		296.5	(4.26)	-230.5	1	U.S. Geological Survey	Unknown		
P	3/24/1988		293.38	(3.12)	-227.38	1	U.S. Geological Survey	Unknown		
P	4/22/1988		290.81	(2.57)	-224.81	1	U.S. Geological Survey	Unknown		
P	5/24/1988		295.81	5.00	-229.81	1	U.S. Geological Survey	Unknown		
P	6/22/1988		298.89	3.08	-232.89	1	U.S. Geological Survey	Unknown		
P	7/22/1988		301.38	2.49	-235.38	1	U.S. Geological Survey	Unknown		
P	8/24/1988		303.78	2.40	-237.78	1	U.S. Geological Survey	Unknown		
P	9/22/1988		305.5	1.72	-239.5	1	U.S. Geological Survey	Unknown		
P	10/21/1988		308.15	2.65	-242.15	1	U.S. Geological Survey	Unknown		
P	11/22/1988		307.72	(0.43)	-241.72	1	U.S. Geological Survey	Unknown		
P	12/20/1988		304.9	(2.82)	-238.9	1	U.S. Geological Survey	Unknown		
P	1/24/1989		302.3	(2.60)	-236.3	1	U.S. Geological Survey	Unknown		
P	2/24/1989		300.33	(1.97)	-234.33	1	U.S. Geological Survey	Unknown		
P	3/23/1989		299.07	(1.26)	-233.07	1	U.S. Geological Survey	Unknown		
P	4/21/1989		297.57	(1.50)	-231.57	1	U.S. Geological Survey	Unknown		
P	5/24/1989		296.03	(1.54)	-230.03	1	U.S. Geological Survey	Unknown		
P	6/27/1989		295.49	(0.54)	-229.49	1	U.S. Geological Survey	Unknown		
P	7/21/1989		295.53	0.04	-229.53	1	U.S. Geological Survey	Unknown		
P	8/25/1989		295.24	(0.29)	-229.24	1	U.S. Geological Survey	Unknown		
P	9/22/1989		296.48	1.24	-230.48	1	U.S. Geological Survey	Unknown		
P	10/24/1989		298.87	2.39	-232.87	1	U.S. Geological Survey	Unknown		
P	11/21/1989		299.09	0.22	-233.09	1	U.S. Geological Survey	Unknown		
P	12/20/1989		297.95	(1.14)	-231.95	1	U.S. Geological Survey	Unknown		
P	1/23/1990		296.19	(1.76)	-230.19	1	U.S. Geological Survey	Unknown		
P	2/27/1990		301.98	5.79	-235.98	1	U.S. Geological Survey	Unknown		
P	3/23/1990		301.79	(0.19)	-235.79	1	U.S. Geological Survey	Unknown		
P	4/27/1990		300.92	(0.87)	-234.92	1	U.S. Geological Survey	Unknown		
P	5/23/1990		301.02	0.10	-235.02	1	U.S. Geological Survey	Unknown		
P	6/22/1990		302.65	1.63	-236.65	1	U.S. Geological Survey	Unknown		
P	1/25/1991		307.72	5.07	-241.72	1	U.S. Geological Survey	Steel Tape		
P	2/25/1991		306.41	(1.31)	-240.41	1	U.S. Geological Survey	Steel Tape		
P	3/25/1991		305.24	(1.17)	-239.24	1	U.S. Geological Survey	Steel Tape		
P	4/23/1991		303.51	(1.73)	-237.51	1	U.S. Geological Survey	Steel Tape		
P	5/21/1991		302.76	(0.75)	-236.76	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/25/1991		301.79	(0.97)	-235.79	1	U.S. Geological Survey	Steel Tape		
P	7/24/1991		301.09	(0.70)	-235.09	1	U.S. Geological Survey	Steel Tape		
P	8/21/1991		300.74	(0.35)	-234.74	1	U.S. Geological Survey	Steel Tape		
P	9/24/1991		299.39	(1.35)	-233.39	1	U.S. Geological Survey	Steel Tape		
P	10/22/1991		298.96	(0.43)	-232.96	1	U.S. Geological Survey	Steel Tape		
P	11/25/1991		298.55	(0.41)	-232.55	1	U.S. Geological Survey	Steel Tape		
P	12/23/1991		295.33	(3.22)	-229.33	1	U.S. Geological Survey	Steel Tape		
P	1/31/1992		290.61	(4.72)	-224.61	1	U.S. Geological Survey	Steel Tape		
P	2/20/1992		289.92	(0.69)	-223.92	1	U.S. Geological Survey	Steel Tape		
P	3/13/1992		288.12	(1.80)	-222.12	1	U.S. Geological Survey	Steel Tape		
P	3/16/1992		288.04	(0.08)	-222.04	1	U.S. Geological Survey	Steel Tape		
P	3/27/1992		287.24	(0.80)	-221.24	1	U.S. Geological Survey	Steel Tape		
P	4/26/1992		282.93	(4.31)	-216.93	1	U.S. Geological Survey	Steel Tape		
P	5/22/1992		283.95	1.02	-217.95	1	U.S. Geological Survey	Steel Tape		
P	6/24/1992		282.52	(1.43)	-216.52	1	U.S. Geological Survey	Steel Tape		
P	7/24/1992		282.05	(0.47)	-216.05	1	U.S. Geological Survey	Steel Tape		
P	8/24/1992		281.54	(0.51)	-215.54	1	U.S. Geological Survey	Steel Tape		
P	9/23/1992		281.61	0.07	-215.61	1	U.S. Geological Survey	Steel Tape		
P	10/22/1992		281.66	0.05	-215.66	1	U.S. Geological Survey	Steel Tape		
P	11/25/1992		280.57	(1.09)	-214.57	1	U.S. Geological Survey	Steel Tape		
P	12/24/1992		278.65	(1.92)	-212.65	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		273.66	(4.99)	-207.66	1	U.S. Geological Survey	Steel Tape		
P	2/16/1993		276.14	2.48	-210.14	1	U.S. Geological Survey	Steel Tape		
P	2/25/1993		275.99	(0.15)	-209.99	1	U.S. Geological Survey	Steel Tape		
P	4/1/1993		277.27	1.28	-211.27	1	U.S. Geological Survey	Steel Tape		
P	4/26/1993		275.99	(1.28)	-209.99	1	U.S. Geological Survey	Steel Tape		
P	5/24/1993		275.16	(0.83)	-209.16	1	U.S. Geological Survey	Steel Tape		
P	6/23/1993		275.26	0.10	-209.26	1	U.S. Geological Survey	Steel Tape		
P	7/23/1993		275.35	0.09	-209.35	1	U.S. Geological Survey	Steel Tape		
P	8/25/1993		277.93	2.58	-211.93	1	U.S. Geological Survey	Steel Tape		
P	9/27/1993		280.99	3.06	-214.99	1	U.S. Geological Survey	Steel Tape		
P	11/1/1993		280.92	(0.07)	-214.92	1	U.S. Geological Survey	Steel Tape		
P	11/22/1993		280.9	(0.02)	-214.9	1	U.S. Geological Survey	Steel Tape		
P	12/28/1993		279.16	(1.74)	-213.16	1	U.S. Geological Survey	Steel Tape		
P	1/25/1994		279.04	(0.12)	-213.04	1	U.S. Geological Survey	Steel Tape		
P	2/23/1994		276.6	(2.44)	-210.6	1	U.S. Geological Survey	Steel Tape		
P	3/22/1994		272.15	(4.45)	-206.15	1	U.S. Geological Survey	Steel Tape		
P	4/15/1994		270.49	(1.66)	-204.49	1	U.S. Geological Survey	Steel Tape		
P	4/18/1994		270.16	(0.33)	-204.16	1	U.S. Geological Survey	Steel Tape		
P	5/26/1994		270.04	(0.12)	-204.04	1	U.S. Geological Survey	Steel Tape		
P	6/22/1994		271.29	1.25	-205.29	1	U.S. Geological Survey	Steel Tape		
P	7/20/1994		272.89	1.60	-206.89	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/29/1994		278.54	5.65	-212.54	1	U.S. Geological Survey	Steel Tape		
P	11/15/1994		280.52	1.98	-214.52	1	U.S. Geological Survey	Steel Tape		
P	1/27/1995		273.51	(7.01)	-207.51	1	U.S. Geological Survey	Steel Tape		
P	2/23/1995		270.78	(2.73)	-204.78	1	U.S. Geological Survey	Steel Tape		
P	3/30/1995		267.22	(3.56)	-201.22	1	U.S. Geological Survey	Steel Tape		
P	10/18/1995		283.51	16.29	-217.51	1	U.S. Geological Survey	Steel Tape		
P	10/24/1995		280.7	(2.81)	-214.7	1	U.S. Geological Survey	Steel Tape		
P	11/27/1995		282.28	1.58	-216.28	1	U.S. Geological Survey	Steel Tape		
P	12/22/1995		280.36	(1.92)	-214.36	1	U.S. Geological Survey	Steel Tape		
P	1/4/1996		278.8	(1.56)	-212.8	1	U.S. Geological Survey	Steel Tape		
P	1/24/1996		278.26	(0.54)	-212.26	1	U.S. Geological Survey	Steel Tape		
P	2/23/1996		276.41	(1.85)	-210.41	1	U.S. Geological Survey	Steel Tape		
P	3/27/1996		275.4	(1.01)	-209.4	1	U.S. Geological Survey	Steel Tape		
P	4/25/1996		271.83	(3.57)	-205.83	1	U.S. Geological Survey	Steel Tape		
P	5/23/1996		274.12	2.29	-208.12	1	U.S. Geological Survey	Steel Tape		
P	6/24/1996		275.94	1.82	-209.94	1	U.S. Geological Survey	Steel Tape		
P	7/22/1996		277.87	1.93	-211.87	1	U.S. Geological Survey	Steel Tape		
P	8/26/1996		280.04	2.17	-214.04	1	U.S. Geological Survey	Steel Tape		
P	9/19/1996		277.88	(2.16)	-211.88	1	U.S. Geological Survey	Steel Tape		
P	10/25/1996		274.09	(3.79)	-208.09	1	U.S. Geological Survey	Steel Tape		
P	11/26/1996		271.69	(2.40)	-205.69	1	U.S. Geological Survey	Steel Tape		
P	12/18/1996		269.57	(2.12)	-203.57	1	U.S. Geological Survey	Steel Tape		
P	1/16/1997		265.53	(4.04)	-199.53	1	U.S. Geological Survey	Steel Tape		
P	2/27/1997		260.81	(4.72)	-194.81	1	U.S. Geological Survey	Steel Tape		
P	4/20/1997		257.1	(3.71)	-191.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/31/1997		255.56	(1.54)	-189.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/17/1997		254.99	(0.57)	-188.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/28/1997		255.06	0.07	-189.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/1997		256.72	1.66	-190.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/29/1997		259.98	3.26	-193.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/29/1997		259.76	(0.22)	-193.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/1997		257.6	(2.16)	-191.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/21/1998		248.14	(9.46)	-182.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/1998		241.54	(6.60)	-175.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/13/1998		241.35	(0.19)	-175.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/1998		242.5	1.15	-176.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/1998		247.14	4.64	-181.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/23/1998		247.14	0.00	-181.14	1	U.S. Geological Survey	Steel Tape		
P	7/21/1998		255.52	8.38	-189.52	1	U.S. Geological Survey	Steel Tape		
P	8/26/1998		259.86	4.34	-193.86	1	U.S. Geological Survey	Steel Tape		
P	9/29/1998		259.72	(0.14)	-193.72	1	U.S. Geological Survey	Steel Tape		
P	10/10/2000		256.63	(3.09)	-190.63	1	U.S. Geological Survey	Steel Tape		
P	10/26/2000		253.87	(2.76)	-187.87	1	U.S. Geological Survey	Steel Tape		
P	11/29/2000		254.09	0.22	-188.09	1	U.S. Geological Survey	Steel Tape		
P	2/5/2001		250.37	(3.72)	-184.37	1	U.S. Geological Survey	Steel Tape		
P	2/12/2001		249.83	(0.54)	-183.83	1	U.S. Geological Survey	Steel Tape		
P	4/2/2001		244.83	(5.00)	-178.83	1	U.S. Geological Survey	Steel Tape		
P	5/16/2001		244.08	(0.75)	-178.08	1	U.S. Geological Survey	Steel Tape		
P	7/27/2001		244.12	0.04	-178.12	1	U.S. Geological Survey	Steel Tape		
P	9/15/2001		246.52	2.40	-180.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2001		247.23	0.71	-181.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/12/2001		247.25	0.02	-181.25	1	U.S. Geological Survey	Steel Tape		
P	10/15/2001		246.97	(0.28)	-180.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2001		244.19	(2.78)	-178.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2001		243.36	(0.83)	-177.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2001		244.56	1.20	-178.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2001		245.79	1.23	-179.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/17/2001		245.73	(0.06)	-179.73	1	U.S. Geological Survey	Steel Tape		
P	12/30/2001		246.9	1.17	-180.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/15/2002		245.37	(1.53)	-179.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2002		244.69	(0.68)	-178.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2002		244.1	(0.59)	-178.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2002		240.93	(3.17)	-174.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/19/2002		240.75	(0.18)	-174.75	1	U.S. Geological Survey	Steel Tape		
P	3/30/2002		240.16	(0.59)	-174.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2002		239.36	(0.80)	-173.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2002		238.97	(0.39)	-172.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/3/2002		237.96	(1.01)	-171.96	1	U.S. Geological Survey	Steel Tape		
P	5/15/2002		239.38	1.42	-173.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2002		239.26	(0.12)	-173.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2002		239.13	(0.13)	-173.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/19/2002		239.16	0.03	-173.16	1	U.S. Geological Survey	Steel Tape		
P	7/15/2002		236.17	(2.99)	-170.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2002		234.85	(1.32)	-168.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2002		234.44	(0.41)	-168.44	1	U.S. Geological Survey	Steel Tape		
P	8/15/2002		233.78	(0.66)	-167.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2002		232.84	(0.94)	-166.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/13/2002		232.19	(0.65)	-166.19	1	U.S. Geological Survey	Steel Tape		
P	12/5/2002		229.43	(2.76)	-163.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2002		229.59	0.16	-163.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2002		229.84	0.25	-163.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/20/2002		229.92	0.08	-163.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2002		230.32	0.40	-164.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2002		230.62	0.30	-164.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2003		230.97	0.35	-164.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2003		231.16	0.19	-165.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2003		231.41	0.25	-165.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2003		231.56	0.15	-165.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2003		231.76	0.20	-165.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2003		231.83	0.07	-165.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2003		232.33	0.50	-166.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2003		232.84	0.51	-166.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2003		233.75	0.91	-167.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2003		234.33	0.58	-168.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2003		233.97	(0.36)	-167.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/1/2003		233.46	(0.51)	-167.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2003		232.87	(0.59)	-166.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2003		232.41	(0.46)	-166.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2003		231.86	(0.55)	-165.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2003		231.33	(0.53)	-165.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-409

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/25/2003		231.09	(0.24)	-165.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2003		230.87	(0.22)	-164.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/1/2003		230.71	(0.16)	-164.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2003		230.39	(0.32)	-164.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2003		230.2	(0.19)	-164.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2003		230.09	(0.11)	-164.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2003		229.95	(0.14)	-163.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2003		229.66	(0.29)	-163.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2003		229.61	(0.05)	-163.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/1/2003		229.59	(0.02)	-163.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2003		229.49	(0.10)	-163.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2003		229.41	(0.08)	-163.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2003		229.32	(0.09)	-163.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2003		229.32	0.00	-163.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2003		229.34	0.02	-163.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2003		229.32	(0.02)	-163.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2003		230.17	0.85	-164.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2003		230.66	0.49	-164.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2003		231	0.34	-165	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/20/2003		230.96	(0.04)	-164.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2003		230.81	(0.15)	-164.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2003		230.57	(0.24)	-164.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2003		230.56	(0.01)	-164.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2003		230.34	(0.22)	-164.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2003		230.13	(0.21)	-164.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2003		229.9	(0.23)	-163.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2003		229.76	(0.14)	-163.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2003		229.64	(0.12)	-163.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2003		229.57	(0.07)	-163.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2003		229.92	0.35	-163.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2003		230.05	0.13	-164.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2003		229.85	(0.20)	-163.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2003		229.96	0.11	-163.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2003		230.11	0.15	-164.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2003		229.84	(0.27)	-163.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2003		229.7	(0.14)	-163.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2003		229.47	(0.23)	-163.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2003		229.27	(0.20)	-163.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/25/2003		228.89	(0.38)	-162.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2003		228.67	(0.22)	-162.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2003		228.37	(0.30)	-162.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2003		227.98	(0.39)	-161.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2003		227.83	(0.15)	-161.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2003		227.61	(0.22)	-161.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2003		227.24	(0.37)	-161.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2003		226.86	(0.38)	-160.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2003		226.55	(0.31)	-160.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2003		226.35	(0.20)	-160.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2003		226.02	(0.33)	-160.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2003		225.57	(0.45)	-159.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2003		225.33	(0.24)	-159.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2003		225.08	(0.25)	-159.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2003		224.79	(0.29)	-158.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2003		224.43	(0.36)	-158.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2003		224.06	(0.37)	-158.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2003		223.85	(0.21)	-157.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2003		223.5	(0.35)	-157.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/30/2003		223.17	(0.33)	-157.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2004		222.67	(0.50)	-156.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2004		222.32	(0.35)	-156.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2004		221.96	(0.36)	-155.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2004		221.91	(0.05)	-155.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2004		221.61	(0.30)	-155.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2004		221.33	(0.28)	-155.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2004		220.82	(0.51)	-154.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2004		220.45	(0.37)	-154.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2004		220.01	(0.44)	-154.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2004		219.62	(0.39)	-153.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2004		219.18	(0.44)	-153.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2004		218.15	(1.03)	-152.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2004		217.93	(0.22)	-151.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2004		217.57	(0.36)	-151.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2004		217.3	(0.27)	-151.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2004		216.92	(0.38)	-150.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2004		216.55	(0.37)	-150.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2004		216.47	(0.08)	-150.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/10/2004		216.56	0.09	-150.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2004		216.36	(0.20)	-150.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2004		216.03	(0.33)	-150.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2004		215.93	(0.10)	-149.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2004		215.96	0.03	-149.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2004		216.27	0.31	-150.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2004		216.57	0.30	-150.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2004		216.25	(0.32)	-150.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2004		215.84	(0.41)	-149.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2004		215.38	(0.46)	-149.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2004		214.97	(0.41)	-148.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2004		214.62	(0.35)	-148.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2004		214.2	(0.42)	-148.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2004		213.86	(0.34)	-147.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2004		213.63	(0.23)	-147.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2004		213.16	(0.47)	-147.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2004		212.88	(0.28)	-146.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2004		212.6	(0.28)	-146.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2004		212.38	(0.22)	-146.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/15/2004		212.28	(0.10)	-146.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2004		212.29	0.01	-146.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2004		212.21	(0.08)	-146.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2004		211.87	(0.34)	-145.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2004		211.54	(0.33)	-145.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2004		211.31	(0.23)	-145.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2004		211.15	(0.16)	-145.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2004		211	(0.15)	-145	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2004		210.88	(0.12)	-144.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2004		210.85	(0.03)	-144.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2004		210.76	(0.09)	-144.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2004		210.82	0.06	-144.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2004		210.82	0.00	-144.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2004		210.88	0.06	-144.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2004		210.99	0.11	-144.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2004		211	0.01	-145	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2004		210.98	(0.02)	-144.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2004		210.85	(0.13)	-144.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2004		210.85	0.00	-144.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/20/2004		210.83	(0.02)	-144.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/21/2004		210.89	0.06	-144.89	1	U.S. Geological Survey	Steel Tape		
P	10/25/2004		210.75	(0.14)	-144.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2004		210.67	(0.08)	-144.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2004		210.47	(0.20)	-144.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2004		210.33	(0.14)	-144.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2004		210.28	(0.05)	-144.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2004		209.97	(0.31)	-143.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2004		209.8	(0.17)	-143.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2004		209.66	(0.14)	-143.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2004		209.69	0.03	-143.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2004		209.53	(0.16)	-143.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/14/2004		209.53	0.00	-143.53	1	U.S. Geological Survey	Steel Tape		
P	12/15/2004		209.5	(0.03)	-143.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2004		209.27	(0.23)	-143.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2004		209.05	(0.22)	-143.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2004		208.82	(0.23)	-142.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2005		208.53	(0.29)	-142.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2005		208.39	(0.14)	-142.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2005		208.21	(0.18)	-142.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/20/2005		207.99	(0.22)	-141.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2005		207.81	(0.18)	-141.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2005		207.55	(0.26)	-141.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2005		207.31	(0.24)	-141.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2005		207.04	(0.27)	-141.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2005		206.79	(0.25)	-140.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2005		206.6	(0.19)	-140.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2005		206.34	(0.26)	-140.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2005		205.67	(0.67)	-139.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2005		205.47	(0.20)	-139.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2005		205.28	(0.19)	-139.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2005		205.08	(0.20)	-139.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/21/2005		205.21	0.13	-139.21	1	U.S. Geological Survey	Steel Tape		
P	3/25/2005		205	(0.21)	-139	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2005		204.77	(0.23)	-138.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2005		204.64	(0.13)	-138.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2005		204.53	(0.11)	-138.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2005		204.39	(0.14)	-138.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2005		204.27	(0.12)	-138.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2005		204.21	(0.06)	-138.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/30/2005		204.12	(0.09)	-138.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2005		204.18	0.06	-138.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2005		203.97	(0.21)	-137.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2005		204.05	0.08	-138.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/16/2005		204.21	0.16	-138.21	1	U.S. Geological Survey	Steel Tape		
P	5/20/2005		204.16	(0.05)	-138.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2005		204.17	0.01	-138.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2005		204.14	(0.03)	-138.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2005		204.26	0.12	-138.26	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/10/2005		204.51	0.25	-138.51	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/15/2005		204.87	0.36	-138.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2005		205.41	0.54	-139.41	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/25/2005		206.4	0.99	-140.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/30/2005		207.55	1.15	-141.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2005		209.95	2.40	-143.95	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/10/2005		211.49	1.54	-145.49	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/15/2005		212.09	0.60	-146.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/18/2005		212.44	0.35	-146.44	1	U.S. Geological Survey	Steel Tape		
P	7/20/2005		212.56	0.12	-146.56	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/25/2005		212.71	0.15	-146.71	1	Groundwater Conservation District	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/30/2005		212.93	0.22	-146.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2005		213.13	0.20	-147.13	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/10/2005		213.23	0.10	-147.23	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/15/2005		213.34	0.11	-147.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2005		213.29	(0.05)	-147.29	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/25/2005		213.24	(0.05)	-147.24	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/30/2005		213.04	(0.20)	-147.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/16/2005		213.41	0.37	-147.41	1	U.S. Geological Survey	Steel Tape		
P	10/13/2005		215.91	2.50	-149.91	1	U.S. Geological Survey	Steel Tape		
P	11/29/2005		218.19	2.28	-152.19	1	U.S. Geological Survey	Steel Tape		
P	12/1/2005		218.19	0.00	-152.19	1	U.S. Geological Survey	Steel Tape		
P	12/2/2005		218.36	0.17	-152.36	1	U.S. Geological Survey	Steel Tape		
P	2/9/2006		221.39	3.03	-155.39	1	U.S. Geological Survey	Steel Tape		
P	3/24/2006		217.44	(3.95)	-151.44	1	U.S. Geological Survey	Steel Tape		
P	4/18/2006		215.5	(1.94)	-149.5	1	U.S. Geological Survey	Steel Tape		
P	5/11/2006		214.17	(1.33)	-148.17	1	U.S. Geological Survey	Steel Tape		
P	6/28/2006		212.15	(2.02)	-146.15	1	U.S. Geological Survey	Steel Tape		
P	8/25/2006		208.6	(3.55)	-142.6	1	U.S. Geological Survey	Steel Tape		
P	10/25/2006		209.31	0.71	-143.31	1	U.S. Geological Survey	Steel Tape		
P	12/7/2006		209.48	0.17	-143.48	1	U.S. Geological Survey	Steel Tape		
P	12/29/2006		208.62	(0.86)	-142.62	1	U.S. Geological Survey	Steel Tape		
P	4/9/2007		204.06	(4.56)	-138.06	1	U.S. Geological Survey	Steel Tape		
P	6/5/2007		201.72	(2.34)	-135.72	1	U.S. Geological Survey	Steel Tape		
P	6/7/2007		201.62	(0.10)	-135.62	1	U.S. Geological Survey	Steel Tape		
P	11/27/2007		198.05	(3.57)	-132.05	1	U.S. Geological Survey	Steel Tape		
P	12/3/2007		197	(1.05)	-131	1	U.S. Geological Survey	Air Line		
P	12/5/2007		197.76	0.76	-131.76	1	U.S. Geological Survey	Electric Line		
P	12/6/2007		197.76	0.00	-131.76	1	U.S. Geological Survey	Electric Line		
P	1/16/2008		196.55	(1.21)	-130.55	1	U.S. Geological Survey	Electric Line		
P	3/17/2008		194.37	(2.18)	-128.37	1	U.S. Geological Survey	Electric Line		
P	3/18/2008		194.31	(0.06)	-128.31	1	U.S. Geological Survey	Electric Line		
P	3/19/2008		194.29	(0.02)	-128.29	1	U.S. Geological Survey	Electric Line		
P	4/16/2008		193.68	(0.61)	-127.68	1	U.S. Geological Survey	Electric Line		
P	7/8/2008		194.82	1.14	-128.82	1	U.S. Geological Survey	Electric Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/2/2008		199.1	4.28	-133.1	1	U.S. Geological Survey	Electric Line		
P	12/19/2008		201	1.90	-135	1	U.S. Geological Survey	Electric Line		
P	12/22/2008		201.12	0.12	-135.12	1	U.S. Geological Survey	Electric Line		
P	3/25/2009		202.6	1.48	-136.6	1	U.S. Geological Survey	Electric Line		
P	1/15/2010		205.44	2.84	-139.44	1	U.S. Geological Survey	Steel Tape		
P	3/5/2010		204.08	(1.36)	-138.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2010		203.88	(0.20)	-137.88	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2010		203.76	(0.12)	-137.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2010		203.54	(0.22)	-137.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2010		203.25	(0.29)	-137.25	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2010		203.03	(0.22)	-137.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2010		202.78	(0.25)	-136.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2010		202.61	(0.17)	-136.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2010		202.54	(0.07)	-136.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2010		202.3	(0.24)	-136.3	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2010		202.12	(0.18)	-136.12	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2010		201.94	(0.18)	-135.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2010		201.86	(0.08)	-135.86	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2010		201.77	(0.09)	-135.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2010		201.54	(0.23)	-135.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2010		201.43	(0.11)	-135.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2010		201.43	0.00	-135.43	1	Texas Water Development Board	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-409

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/30/2010		201.37	(0.06)	-135.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2010		201.24	(0.13)	-135.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2010		201.19	(0.05)	-135.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2010		201.12	(0.07)	-135.12	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2010		201.05	(0.07)	-135.05	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2010		200.92	(0.13)	-134.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2010		200.75	(0.17)	-134.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2010		200.44	(0.31)	-134.44	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2010		200.25	(0.19)	-134.25	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2010		200.15	(0.10)	-134.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2010		199.94	(0.21)	-133.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2010		199.78	(0.16)	-133.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2010		199.61	(0.17)	-133.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2010		199.41	(0.20)	-133.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2010		199.28	(0.13)	-133.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2010		199.18	(0.10)	-133.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2010		199.51	0.33	-133.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2010		199.5	(0.01)	-133.5	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2010		199.44	(0.06)	-133.44	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/10/2010		199.27	(0.17)	-133.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2010		199.31	0.04	-133.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2010		199.31	0.00	-133.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2010		199.23	(0.08)	-133.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2010		199.15	(0.08)	-133.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2010		199.17	0.02	-133.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2010		199.03	(0.14)	-133.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2010		198.96	(0.07)	-132.96	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2010		198.81	(0.15)	-132.81	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2010		198.67	(0.14)	-132.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2010		198.67	0.00	-132.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2010		198.41	(0.26)	-132.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2010		198.45	0.04	-132.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2010		198.41	(0.04)	-132.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2010		198.52	0.11	-132.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2010		198.38	(0.14)	-132.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2010		198.28	(0.10)	-132.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2010		198.16	(0.12)	-132.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2010		197.96	(0.20)	-131.96	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/15/2010		197.75	(0.21)	-131.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2010		197.66	(0.09)	-131.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2010		197.49	(0.17)	-131.49	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2010		197.36	(0.13)	-131.36	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2011		196.35	(1.01)	-130.35	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2011		196.17	(0.18)	-130.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2011		196.03	(0.14)	-130.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/26/2011		195.53	(0.50)	-129.53	1	U.S. Geological Survey	Electric Line		
P	1/30/2011		195.91	0.38	-129.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2011		195.79	(0.12)	-129.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2011		195.7	(0.09)	-129.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2011		195.61	(0.09)	-129.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2011		195.51	(0.10)	-129.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2011		195.4	(0.11)	-129.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2011		195.25	(0.15)	-129.25	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2011		195.31	0.06	-129.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2011		195.38	0.07	-129.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2011		195.8	0.42	-129.8	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2011		196.05	0.25	-130.05	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2011		195.97	(0.08)	-129.97	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/5/2011		195.94	(0.03)	-129.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2011		195.77	(0.17)	-129.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2011		195.54	(0.23)	-129.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2011		195.52	(0.02)	-129.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2011		195.49	(0.03)	-129.49	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2011		195.35	(0.14)	-129.35	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2011		195.38	0.03	-129.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2011		194.16	(1.22)	-128.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2011		194.21	0.05	-128.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2011		194.24	0.03	-128.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2011		194.27	0.03	-128.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2011		193.72	(0.55)	-127.72	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2011		193.83	0.11	-127.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2011		196.05	2.22	-130.05	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2011		196.61	0.56	-130.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2011		197.26	0.65	-131.26	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2011		196.65	(0.61)	-130.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2011		197.19	0.54	-131.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2011		197.79	0.60	-131.79	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/25/2011		198.49	0.70	-132.49	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2011		198.97	0.48	-132.97	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2011		199.76	0.79	-133.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2011		200.34	0.58	-134.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2011		201.01	0.67	-135.01	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2011		201.69	0.68	-135.69	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2011		202.43	0.74	-136.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2011		203.17	0.74	-137.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2011		204.19	1.02	-138.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2011		205.05	0.86	-139.05	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2011		205.85	0.80	-139.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2011		206.63	0.78	-140.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2011		207.39	0.76	-141.39	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2011		207.95	0.56	-141.95	1	Texas Water Development Board	Electric Line		
P	10/5/2011		208.5	0.55	-142.5	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2011		208.72	0.22	-142.72	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2011		209.08	0.36	-143.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2011		209.37	0.29	-143.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2011		209.56	0.19	-143.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2011		209.72	0.16	-143.72	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/5/2011		209.87	0.15	-143.87	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2011		209.91	0.04	-143.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2011		209.75	(0.16)	-143.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2011		209.67	(0.08)	-143.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2011		209.55	(0.12)	-143.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2011		209.36	(0.19)	-143.36	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2011		209.06	(0.30)	-143.06	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2011		208.9	(0.16)	-142.9	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2011		208.6	(0.30)	-142.6	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2011		208.42	(0.18)	-142.42	1	U.S. Geological Survey	Steel Tape		
P	12/25/2011		207.83	(0.59)	-141.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2011		207.53	(0.30)	-141.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2012		207.21	(0.32)	-141.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/10/2012		206.71	(0.50)	-140.71	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2012		206.47	(0.24)	-140.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2012		206.07	(0.40)	-140.07	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2012		205.82	(0.25)	-139.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2012		205.66	(0.16)	-139.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2012		205.31	(0.35)	-139.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2012		205.14	(0.17)	-139.14	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/15/2012		204.85	(0.29)	-138.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2012		204.66	(0.19)	-138.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2012		204.58	(0.08)	-138.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/28/2012		204.58	0.00	-138.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2012		204.34	(0.24)	-138.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2012		204.03	(0.31)	-138.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2012		203.69	(0.34)	-137.69	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2012		203.42	(0.27)	-137.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2012		203.06	(0.36)	-137.06	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2012		202.72	(0.34)	-136.72	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2012		202.49	(0.23)	-136.49	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2012		202.19	(0.30)	-136.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2012		201.88	(0.31)	-135.88	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2012		201.62	(0.26)	-135.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2012		201.32	(0.30)	-135.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2012		201.02	(0.30)	-135.02	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2012		200.77	(0.25)	-134.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2012		200.31	(0.46)	-134.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2012		200.11	(0.20)	-134.11	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/30/2012		199.99	(0.12)	-133.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2012		199.82	(0.17)	-133.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2012		199.74	(0.08)	-133.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2012		199.75	0.01	-133.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2012		199.79	0.04	-133.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2012		200.09	0.30	-134.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2012		200.33	0.24	-134.33	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2012		200.5	0.17	-134.5	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2012		200.61	0.11	-134.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2012		200.62	0.01	-134.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2012		200.68	0.06	-134.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2012		200.81	0.13	-134.81	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2012		200.92	0.11	-134.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2012		201.05	0.13	-135.05	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2012		201.37	0.32	-135.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2012		201.65	0.28	-135.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2012		201.89	0.24	-135.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2012		202.16	0.27	-136.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2012		202.37	0.21	-136.37	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/5/2012		202.67	0.30	-136.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2012		202.63	(0.04)	-136.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2012		202.82	0.19	-136.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2012		203.03	0.21	-137.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2012		203.19	0.16	-137.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2012		203.17	(0.02)	-137.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2012		203.32	0.15	-137.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2012		203.34	0.02	-137.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2012		203.31	(0.03)	-137.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2012		203.21	(0.10)	-137.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2012		203.13	(0.08)	-137.13	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2012		203.04	(0.09)	-137.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2012		202.76	(0.28)	-136.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2012		202.63	(0.13)	-136.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2012		202.53	(0.10)	-136.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2012		202.12	(0.41)	-136.12	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2012		201.95	(0.17)	-135.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2012		201.77	(0.18)	-135.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2012		201.56	(0.21)	-135.56	1	Texas Water Development Board	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/15/2012		201.39	(0.17)	-135.39	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2012		201.15	(0.24)	-135.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2012		200.86	(0.29)	-134.86	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2012		200.74	(0.12)	-134.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/4/2013		200.39	(0.35)	-134.39	1	U.S. Geological Survey	Steel Tape		
P	1/5/2013		200.37	(0.02)	-134.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/10/2013		200.01	(0.36)	-134.01	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2013		199.73	(0.28)	-133.73	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2013		199.48	(0.25)	-133.48	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2013		199.19	(0.29)	-133.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2013		198.84	(0.35)	-132.84	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2013		198.51	(0.33)	-132.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2013		198.2	(0.31)	-132.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2013		197.99	(0.21)	-131.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/19/2013		197.7	(0.29)	-131.7	1	Texas Water Development Board	Electric Line		
P	2/20/2013		197.65	(0.05)	-131.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2013		197.31	(0.34)	-131.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/28/2013		197.32	0.01	-131.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2013		196.93	(0.39)	-130.93	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2013		196.66	(0.27)	-130.66	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/15/2013		196.47	(0.19)	-130.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2013		196.18	(0.29)	-130.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2013		195.98	(0.20)	-129.98	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2013		195.78	(0.20)	-129.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2013		195.44	(0.34)	-129.44	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2013		195.17	(0.27)	-129.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2013		194.92	(0.25)	-128.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2013		194.8	(0.12)	-128.8	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2013		194.59	(0.21)	-128.59	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2013		194.23	(0.36)	-128.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2013		194.09	(0.14)	-128.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2013		193.89	(0.20)	-127.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2013		193.66	(0.23)	-127.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2013		193.46	(0.20)	-127.46	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2013		193.34	(0.12)	-127.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2013		193.16	(0.18)	-127.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2013		192.99	(0.17)	-126.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2013		192.89	(0.10)	-126.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2013		192.83	(0.06)	-126.83	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/20/2013		192.81	(0.02)	-126.81	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2013		192.82	0.01	-126.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2013		192.83	0.01	-126.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2013		193	0.17	-127	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2013		193.24	0.24	-127.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2013		193.58	0.34	-127.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2013		193.91	0.33	-127.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2013		194.27	0.36	-128.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2013		194.58	0.31	-128.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2013		194.86	0.28	-128.86	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2013		195.12	0.26	-129.12	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2013		195.4	0.28	-129.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2013		195.77	0.37	-129.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2013		196.14	0.37	-130.14	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2013		196.45	0.31	-130.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2013		196.81	0.36	-130.81	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2013		197.08	0.27	-131.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2013		197.34	0.26	-131.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2013		197.57	0.23	-131.57	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/25/2013		197.68	0.11	-131.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2013		197.95	0.27	-131.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2013		198.19	0.24	-132.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2013		198.41	0.22	-132.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2013		198.53	0.12	-132.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2013		198.51	(0.02)	-132.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2013		198.63	0.12	-132.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2013		198.55	(0.08)	-132.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2013		198.38	(0.17)	-132.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2013		198.35	(0.03)	-132.35	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2013		198.03	(0.32)	-132.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2013		197.94	(0.09)	-131.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/21/2013		198.15	0.21	-132.15	1	Texas Water Development Board	Electric Line		
P	11/25/2013		197.7	(0.45)	-131.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2013		197.5	(0.20)	-131.5	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2013		197.19	(0.31)	-131.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2013		197.08	(0.11)	-131.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2013		196.84	(0.24)	-130.84	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2013		196.55	(0.29)	-130.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2013		196.36	(0.19)	-130.36	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/30/2013		196.07	(0.29)	-130.07	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2014		195.75	(0.32)	-129.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/10/2014		195.51	(0.24)	-129.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2014		194.4	(1.11)	-128.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2014	0849	194.14	(0.26)	-128.14	1	U.S. Geological Survey	Steel Tape		
P	1/20/2014		194.12	(0.02)	-128.12	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2014		193.93	(0.19)	-127.93	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2014		193.72	(0.21)	-127.72	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2014		193.4	(0.32)	-127.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2014		193.2	(0.20)	-127.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2014		192.96	(0.24)	-126.96	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/17/2014		192.64	(0.32)	-126.64	1	Texas Water Development Board	Electric Line		
P	2/20/2014		192.73	0.09	-126.73	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2014		192.57	(0.16)	-126.57	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/28/2014		192.33	(0.24)	-126.33	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2014		192.13	(0.20)	-126.13	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2014		191.9	(0.23)	-125.9	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2014		191.66	(0.24)	-125.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2014		191.53	(0.13)	-125.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2014		191.39	(0.14)	-125.39	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/30/2014		191.16	(0.23)	-125.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2014		190.92	(0.24)	-124.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2014		190.75	(0.17)	-124.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2014		190.53	(0.22)	-124.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2014		190.36	(0.17)	-124.36	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2014		190.18	(0.18)	-124.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2014		190.08	(0.10)	-124.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2014		190.16	0.08	-124.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2014		190.25	0.09	-124.25	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2014		190.32	0.07	-124.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2014		190.56	0.24	-124.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2014		190.81	0.25	-124.81	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2014		190.82	0.01	-124.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2014		191.1	0.28	-125.1	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2014		191.34	0.24	-125.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2014		191.62	0.28	-125.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2014		191.93	0.31	-125.93	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2014		192.3	0.37	-126.3	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2014		192.6	0.30	-126.6	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/5/2014		192.92	0.32	-126.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2014		193.2	0.28	-127.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2014		193.45	0.25	-127.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2014		193.65	0.20	-127.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2014		193.85	0.20	-127.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2014		193.95	0.10	-127.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2014		194.09	0.14	-128.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2014		194.28	0.19	-128.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2014		194.42	0.14	-128.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2014		194.53	0.11	-128.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2014		194.67	0.14	-128.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2014		194.79	0.12	-128.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2014		194.85	0.06	-128.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2014		194.86	0.01	-128.86	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2014		194.85	(0.01)	-128.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2014		194.64	(0.21)	-128.64	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2014		194.66	0.02	-128.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2014		194.56	(0.10)	-128.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2014		194.5	(0.06)	-128.5	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/10/2014		194.41	(0.09)	-128.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2014		194.3	(0.11)	-128.3	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2014		194.22	(0.08)	-128.22	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2014		194.16	(0.06)	-128.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2014		194.04	(0.12)	-128.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2014		193.91	(0.13)	-127.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2014		193.73	(0.18)	-127.73	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2014		193.68	(0.05)	-127.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2014		193.51	(0.17)	-127.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2014		193.27	(0.24)	-127.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2014		193.13	(0.14)	-127.13	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2014		192.95	(0.18)	-126.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2014		192.78	(0.17)	-126.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2014		192.54	(0.24)	-126.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2014		192.2	(0.34)	-126.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2014		191.34	(0.86)	-125.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2014		191.26	(0.08)	-125.26	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2015		190.95	(0.31)	-124.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/10/2015		190.7	(0.25)	-124.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
X	1/13/2015					1	Texas Water Development Board		30	

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groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/15/2015		190.43		-124.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2015		190.26	(0.17)	-124.26	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2015		190.2	(0.06)	-124.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/28/2015		189.95	(0.25)	-123.95	1	U.S. Geological Survey	Steel Tape		
P	1/30/2015		190.23	0.28	-124.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2015		190.2	(0.03)	-124.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2015		190.14	(0.06)	-124.14	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2015		190.14	0.00	-124.14	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2015		190.08	(0.06)	-124.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2015		190	(0.08)	-124	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/28/2015		190.03	0.03	-124.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2015		189.89	(0.14)	-123.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2015		189.72	(0.17)	-123.72	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2015		187.96	(1.76)	-121.96	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2015		187.79	(0.17)	-121.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2015		187.67	(0.12)	-121.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2015		187.63	(0.04)	-121.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2015		187.53	(0.10)	-121.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2015		187.43	(0.10)	-121.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2015		187.27	(0.16)	-121.27	1	Texas Water Development Board	Recorder (Float or Transducer)		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/20/2015		187.09	(0.18)	-121.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2015		186.98	(0.11)	-120.98	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2015		186.92	(0.06)	-120.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2015		186.85	(0.07)	-120.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2015		186.77	(0.08)	-120.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2015		186.58	(0.19)	-120.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2015		186.49	(0.09)	-120.49	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2015		186.34	(0.15)	-120.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2015		186.19	(0.15)	-120.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2015		186.03	(0.16)	-120.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2015		185.9	(0.13)	-119.9	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2015		185.74	(0.16)	-119.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2015		185.64	(0.10)	-119.64	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2015		185.62	(0.02)	-119.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2015		185.48	(0.14)	-119.48	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2015		185.4	(0.08)	-119.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2015		185.39	(0.01)	-119.39	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2015		185.33	(0.06)	-119.33	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2015		185.35	0.02	-119.35	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/25/2015		185.38	0.03	-119.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2015		185.47	0.09	-119.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2015		185.68	0.21	-119.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2015		185.96	0.28	-119.96	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2015		186.32	0.36	-120.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2015		186.51	0.19	-120.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2015		186.84	0.33	-120.84	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2015		187.33	0.49	-121.33	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2015		187.85	0.52	-121.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2015		188.3	0.45	-122.3	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2015		188.7	0.40	-122.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2015		189.09	0.39	-123.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2015		189.48	0.39	-123.48	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2015		189.73	0.25	-123.73	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2015		189.99	0.26	-123.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2015		190.21	0.22	-124.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2015		190.36	0.15	-124.36	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2015		190.52	0.16	-124.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2015		190.28	(0.24)	-124.28	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/30/2015		190.27	(0.01)	-124.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2015		190.2	(0.07)	-124.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2015		190.16	(0.04)	-124.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2015		190.14	(0.02)	-124.14	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2015		189.96	(0.18)	-123.96	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2015		189.9	(0.06)	-123.9	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2015		189.77	(0.13)	-123.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2015		189.79	0.02	-123.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2015		189.65	(0.14)	-123.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2015		189.5	(0.15)	-123.5	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2015		189.53	0.03	-123.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2015		189.4	(0.13)	-123.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2015		189.4	0.00	-123.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2016		189.52	0.12	-123.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/10/2016		189.46	(0.06)	-123.46	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2016		189.48	0.02	-123.48	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2016		189.51	0.03	-123.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2016		189.41	(0.10)	-123.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2016		189.32	(0.09)	-123.32	1	Texas Water Development Board	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/5/2016		189.29	(0.03)	-123.29	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/9/2016	1408	189.14	(0.15)	-123.14	1	U.S. Geological Survey	Steel Tape		
P	2/10/2016		189.17	0.03	-123.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2016		189.15	(0.02)	-123.15	2	Texas Water Development Board	Electric Line		
P	2/15/2016		189	(0.15)	-123	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2016		188.96	(0.04)	-122.96	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2016		188.82	(0.14)	-122.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2016	0000	188.75	(0.07)	-122.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2016	2200	188.56	(0.19)	-122.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2016	0000	188.55	(0.01)	-122.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2016	0500	188.57	0.02	-122.57	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2016	2000	188.38	(0.19)	-122.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2016	0000	188.42	0.04	-122.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2016	0000	188.49	0.07	-122.49	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2016	0000	188.67	0.18	-122.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2016	0000	188.77	0.10	-122.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2016	0700	188.89	0.12	-122.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2016	0200	188.89	0.00	-122.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2016	1800	188.9	0.01	-122.9	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2016	0800	188.9	0.00	-122.9	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/25/2016	0000	189.01	0.11	-123.01	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2016	0000	189.04	0.03	-123.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2016	0100	189.04	0.00	-123.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2016	0000	189.15	0.11	-123.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2016	0000	189.13	(0.02)	-123.13	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2016	0000	189.24	0.11	-123.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2016	0100	189.28	0.04	-123.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/27/2016		189.3	0.02	-123.3	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2016	0300	189.28	(0.02)	-123.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2016	0000	189.36	0.08	-123.36	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2016	0000	189.47	0.11	-123.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2016	0000	189.62	0.15	-123.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2016	0000	189.8	0.18	-123.8	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2016	0000	190	0.20	-124	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2016		190.15	0.15	-124.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2016	0000	190.45	0.30	-124.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2016	0000	190.7	0.25	-124.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2016	0100	190.83	0.13	-124.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2016	0000	190.88	0.05	-124.88	1	Texas Water Development Board	Recorder (Float or Transducer)		

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P	8/25/2016	0000	191.1	0.22	-125.1	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2016	1200	191.26	0.16	-125.26	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2016	0300	191.27	0.01	-125.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2016	0300	191.39	0.12	-125.39	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2016	0000	191.45	0.06	-125.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2016	1700	191.42	(0.03)	-125.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2016		191.51	0.09	-125.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2016	0000	191.56	0.05	-125.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2016	0000	191.71	0.15	-125.71	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2016	0600	191.79	0.08	-125.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2016	0000	191.88	0.09	-125.88	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2016	0000	192.06	0.18	-126.06	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2016	0000	192.23	0.17	-126.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2016	0000	193.08	0.85	-127.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2016	0000	194.31	1.23	-128.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2016	1900	194.55	0.24	-128.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2016	0000	194.89	0.34	-128.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2016	0000	195.04	0.15	-129.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2016	0000	195.35	0.31	-129.35	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/25/2016	0000	195.45	0.10	-129.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2016	0000	195.66	0.21	-129.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2017	1730	195.66	0.00	-129.66	1	Texas Water Development Board	Electric Line		
P	1/10/2017	1900	195.79	0.13	-129.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2017	2200	195.74	(0.05)	-129.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2017	2300	195.52	(0.22)	-129.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2017	0000	195.54	0.02	-129.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2017	1900	195.62	0.08	-129.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2017	1700	195.47	(0.15)	-129.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2017	2200	195.28	(0.19)	-129.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2017	2000	194.98	(0.30)	-128.98	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2017	2000	194.66	(0.32)	-128.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2017	0000	194.43	(0.23)	-128.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/2/2017	1624	194.15	(0.28)	-128.15	1	U.S. Geological Survey	Steel Tape		
P	3/5/2017	2100	194.08	(0.07)	-128.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2017	2000	193.77	(0.31)	-127.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2017	1900	193.48	(0.29)	-127.48	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2017	0000	193.21	(0.27)	-127.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2017	2300	192.81	(0.40)	-126.81	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2017	2100	192.5	(0.31)	-126.5	1	Texas Water Development Board	Recorder (Float or Transducer)		

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P	4/5/2017	0200	192.33	(0.17)	-126.33	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2017	0000	192.32	(0.01)	-126.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2017	0300	192.26	(0.06)	-126.26	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2017	0300	192.21	(0.05)	-126.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2017	2300	192.15	(0.06)	-126.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2017	0000	192.09	(0.06)	-126.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2017	1900	191.97	(0.12)	-125.97	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2017	1900	191.79	(0.18)	-125.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2017	2100	191.58	(0.21)	-125.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2017	1600	191.38	(0.20)	-125.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2017	2200	191.08	(0.30)	-125.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2017	1000	190.97	(0.11)	-124.97	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2017	2200	190.78	(0.19)	-124.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2017	0000	190.79	0.01	-124.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2017	0900	190.76	(0.03)	-124.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2017	2100	190.68	(0.08)	-124.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2017	2100	190.52	(0.16)	-124.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2017	1400	190.37	(0.15)	-124.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2017	0100	190.33	(0.04)	-124.33	1	Texas Water Development Board	Recorder (Float or Transducer)		

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P	7/10/2017	2300	190.24	(0.09)	-124.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2017	2300	190.19	(0.05)	-124.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2017	0000	190.16	(0.03)	-124.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2017	0000	190.17	0.01	-124.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2017	0000	190.18	0.01	-124.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2017	1900	190.18	0.00	-124.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2017	0000	190.03	(0.15)	-124.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2017	0000	190	(0.03)	-124	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2017	0000	190.07	0.07	-124.07	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2017	0000	190.16	0.09	-124.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2017	0000	189.94	(0.22)	-123.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2017	0000	190.38	0.44	-124.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2017	0100	190.67	0.29	-124.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2017	0000	190.89	0.22	-124.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2017	0000	191.07	0.18	-125.07	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2017	0000	191.27	0.20	-125.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2017	0000	191.53	0.26	-125.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2017	0000	191.75	0.22	-125.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2017	0000	191.97	0.22	-125.97	1	Texas Water Development Board	Recorder (Float or Transducer)		

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P	10/15/2017	0000	192.33	0.36	-126.33	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2017	0000	192.68	0.35	-126.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2017	0000	192.97	0.29	-126.97	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2017	0000	193.28	0.31	-127.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2017	0000	193.54	0.26	-127.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2017	0000	193.67	0.13	-127.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2017	0800	193.63	(0.04)	-127.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2017	1900	193.59	(0.04)	-127.59	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2017	1800	193.48	(0.11)	-127.48	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2017	2200	193.42	(0.06)	-127.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2017	0800	193.27	(0.15)	-127.27	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2017	0000	193.21	(0.06)	-127.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2017	0000	193.13	(0.08)	-127.13	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2017	2000	193	(0.13)	-127	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2017	0000	192.99	(0.01)	-126.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2017	2300	192.87	(0.12)	-126.87	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2018	2200	192.79	(0.08)	-126.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/10/2018	2300	192.57	(0.22)	-126.57	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2018	2100	192.52	(0.05)	-126.52	1	Texas Water Development Board	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/20/2018	2100	192.37	(0.15)	-126.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/24/2018	1440	191.95	(0.42)	-125.95	1	Texas Water Development Board	Steel Tape		
P	1/25/2018	0100	192.38	0.43	-126.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2018	0000	192.44	0.06	-126.44	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2018	0000	192.52	0.08	-126.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2018	1900	192.56	0.04	-126.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2018	1900	192.65	0.09	-126.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2018	1700	192.59	(0.06)	-126.59	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2018	1800	192.43	(0.16)	-126.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/27/2018	1154	192.31	(0.12)	-126.31	1	U.S. Geological Survey	Steel Tape		
P	3/28/2018		191.79	(0.52)	-125.79	1	Texas Water Development Board	Steel Tape		
P	4/5/2018		191.47	(0.32)	-125.47	1	Texas Water Development Board	Electric Line		
P	4/10/2018	0100	191.24	(0.23)	-125.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2018	0000	191.3	0.06	-125.3	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2018	0100	191.3	0.00	-125.3	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2018	0000	191.42	0.12	-125.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2018	0300	191.51	0.09	-125.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2018	0000	191.61	0.10	-125.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2018	0000	191.65	0.04	-125.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2018	0100	191.7	0.05	-125.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2018	0000	191.73	0.03	-125.73	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/30/2018	0000	191.78	0.05	-125.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2018	0000	191.94	0.16	-125.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2018	0000	192.07	0.13	-126.07	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2018	0000	192.21	0.14	-126.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2018	0000	192.26	0.05	-126.26	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2018	0000	192.4	0.14	-126.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2018	0000	192.55	0.15	-126.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2018	0000	192.6	0.05	-126.6	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2018	0000	192.73	0.13	-126.73	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2018	0000	192.89	0.16	-126.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2018	0000	193.09	0.20	-127.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2018	0000	193.31	0.22	-127.31	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2018	0000	193.54	0.23	-127.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2018	0000	193.75	0.21	-127.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2018	0000	193.98	0.23	-127.98	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2018	0000	194.18	0.20	-128.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2018	0000	194.47	0.29	-128.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2018	0000	194.8	0.33	-128.8	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2018	0000	195.11	0.31	-129.11	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/5/2018	0000	195.4	0.29	-129.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2018	0000	195.61	0.21	-129.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2018	0000	195.61	0.00	-129.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2018	0000	195.61	0.00	-129.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2018	0000	195.46	(0.15)	-129.46	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2018	0000	195.29	(0.17)	-129.29	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2018	0000	195.11	(0.18)	-129.11	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2018	0000	194.89	(0.22)	-128.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2018	0000	194.7	(0.19)	-128.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2018	0000	194.46	(0.24)	-128.46	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2018	0000	194.16	(0.30)	-128.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2018	0000	193.98	(0.18)	-127.98	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2018	0000	193.62	(0.36)	-127.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2018	0000	193.45	(0.17)	-127.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2018	0000	193.22	(0.23)	-127.22	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2018	0000	192.97	(0.25)	-126.97	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2018	0000	192.67	(0.30)	-126.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2018	0000	192.45	(0.22)	-126.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2018	0000	192.35	(0.10)	-126.35	1	Texas Water Development Board	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/10/2018	0000	192.03	(0.32)	-126.03	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2018	0000	191.76	(0.27)	-125.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2018	0000	191.51	(0.25)	-125.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2018	0000	191.32	(0.19)	-125.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2018	0000	191	(0.32)	-125	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2019	0000	190.67	(0.33)	-124.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/8/2019	0805	190.6	(0.07)	-124.6	1	Texas Water Development Board	Electric Line		
P	1/10/2019	0000	190.47	(0.13)	-124.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2019	0000	190.17	(0.30)	-124.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2019	0000	189.82	(0.35)	-123.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2019	0000	189.54	(0.28)	-123.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2019	0000	189.37	(0.17)	-123.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2019	0000	189.15	(0.22)	-123.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/6/2019	1490	189.13	(0.02)	-123.13	1	U.S. Geological Survey	Steel Tape		
P	2/10/2019	0000	189.09	(0.04)	-123.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2019	0000	188.94	(0.15)	-122.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2019	0000	188.96	0.02	-122.96	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2019	0000	189.06	0.10	-123.06	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2019	0000	189.21	0.15	-123.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2019	0000	189.21	0.00	-123.21	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/15/2019	0000	189.23	0.02	-123.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2019	0000	189.37	0.14	-123.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2019	0000	189.43	0.06	-123.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2019	0000	189.51	0.08	-123.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2019	0000	189.58	0.07	-123.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/11/2019	1408	189.65	0.07	-123.65	1	Texas Water Development Board	Electric Line		
P	4/15/2019	0000	189.74	0.09	-123.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2019	0000	189.83	0.09	-123.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2019	0000	190.07	0.24	-124.07	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2019	0000	190.15	0.08	-124.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2019	0000	190.21	0.06	-124.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2019	0000	190.33	0.12	-124.33	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2019	0000	190.42	0.09	-124.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2019	0000	190.52	0.10	-124.52	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2019	0000	190.63	0.11	-124.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2019	0000	190.82	0.19	-124.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2019	0000	190.95	0.13	-124.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2019	0000	191.19	0.24	-125.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2019	0000	191.29	0.10	-125.29	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2019	0000	191.46	0.17	-125.46	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/30/2019	0000	191.6	0.14	-125.6	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2019	0000	191.68	0.08	-125.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2019	0000	191.7	0.02	-125.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2019	0000	191.64	(0.06)	-125.64	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2019	0000	191.63	(0.01)	-125.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2019	0000	191.62	(0.01)	-125.62	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2019	0000	191.64	0.02	-125.64	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2019	0000	191.65	0.01	-125.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2019	0000	191.72	0.07	-125.72	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2019	0000	191.83	0.11	-125.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2019	0000	191.98	0.15	-125.98	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2019	0000	192.17	0.19	-126.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2019	0000	192.38	0.21	-126.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2019	0000	192.74	0.36	-126.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2019	0000	192.99	0.25	-126.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2019	0000	193.18	0.19	-127.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2019	0000	193.04	(0.14)	-127.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2019	0000	193.21	0.17	-127.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2019	0000	193.34	0.13	-127.34	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/5/2019	0000	193.46	0.12	-127.46	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2019	0000	193.58	0.12	-127.58	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2019	0000	193.73	0.15	-127.73	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2019	0000	193.82	0.09	-127.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2019	0000	193.94	0.12	-127.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/30/2019	0000	193.91	(0.03)	-127.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2019	0000	193.91	0.00	-127.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2019	0000	193.78	(0.13)	-127.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2019	0000	193.71	(0.07)	-127.71	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2019	0000	193.55	(0.16)	-127.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2019	0000	193.41	(0.14)	-127.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2019	0000	193.36	(0.05)	-127.36	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2019	0000	193.22	(0.14)	-127.22	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2019	0000	193.08	(0.14)	-127.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2019	0000	192.92	(0.16)	-126.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2019	0000	192.91	(0.01)	-126.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2019	0000	192.77	(0.14)	-126.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2019	0000	192.68	(0.09)	-126.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2020	0000	192.62	(0.06)	-126.62	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/10/2020	0000	192.45	(0.17)	-126.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2020	0000	192.28	(0.17)	-126.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2020	1557	192.33	0.05	-126.33	1	Texas Water Development Board	Electric Line		
P	1/20/2020	0000	192.2	(0.13)	-126.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2020	0000	191.92	(0.28)	-125.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/30/2020	0000	191.68	(0.24)	-125.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2020	0000	191.4	(0.28)	-125.4	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/10/2020	0000	191.22	(0.18)	-125.22	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2020	0000	191.02	(0.20)	-125.02	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2020	0000	190.76	(0.26)	-124.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2020	0000	190.39	(0.37)	-124.39	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2020	0000	190.02	(0.37)	-124.02	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2020	0000	189.99	(0.03)	-123.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2020	0000	189.92	(0.07)	-123.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/20/2020	0000	189.83	(0.09)	-123.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2020	0000	189.66	(0.17)	-123.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2020	0000	189.56	(0.10)	-123.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2020	0000	189.38	(0.18)	-123.38	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2020	0000	189.23	(0.15)	-123.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2020	0000	189.14	(0.09)	-123.14	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/20/2020	0000	188.91	(0.23)	-122.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2020	0000	188.79	(0.12)	-122.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2020	0000	188.57	(0.22)	-122.57	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2020	0000	188.35	(0.22)	-122.35	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2020	0000	188.24	(0.11)	-122.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2020	0000	188.1	(0.14)	-122.1	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2020	0000	188.08	(0.02)	-122.08	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/25/2020	0000	188.17	0.09	-122.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2020	0000	188.25	0.08	-122.25	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2020	0000	188.22	(0.03)	-122.22	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2020	0000	188.18	(0.04)	-122.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2020	0000	188.18	0.00	-122.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2020	0000	188.14	(0.04)	-122.14	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2020	0000	188.09	(0.05)	-122.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2020	0000	188.23	0.14	-122.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2020	0000	188.41	0.18	-122.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2020	0000	188.56	0.15	-122.56	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2020	0000	188.76	0.20	-122.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2020	0000	188.99	0.23	-122.99	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/25/2020	0000	189.17	0.18	-123.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2020	0000	189.28	0.11	-123.28	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2020	0000	189.36	0.08	-123.36	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2020	0000	189.42	0.06	-123.42	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2020	0000	189.39	(0.03)	-123.39	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2020	0000	189.32	(0.07)	-123.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/25/2020	0000	189.32	0.00	-123.32	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2020	0000	189.35	0.03	-123.35	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2020	0000	189.48	0.13	-123.48	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2020	0000	189.53	0.05	-123.53	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2020	0000	189.55	0.02	-123.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2020	0000	189.66	0.11	-123.66	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2020	0000	189.5	(0.16)	-123.5	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2020	0000	189.61	0.11	-123.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/5/2020	0000	189.68	0.07	-123.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/10/2020	0000	189.63	(0.05)	-123.63	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/15/2020	0000	189.64	0.01	-123.64	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/20/2020	0000	189.55	(0.09)	-123.55	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	10/25/2020	0000	189.49	(0.06)	-123.49	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/30/2020	0000	189.44	(0.05)	-123.44	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/5/2020	0000	189.35	(0.09)	-123.35	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/10/2020	0000	189.2	(0.15)	-123.2	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/15/2020	0000	189.17	(0.03)	-123.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/20/2020	0000	189.19	0.02	-123.19	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/25/2020	0000	189.09	(0.10)	-123.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	11/30/2020	0000	188.92	(0.17)	-122.92	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/5/2020	0000	188.84	(0.08)	-122.84	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/10/2020	0000	188.75	(0.09)	-122.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/15/2020	0000	188.61	(0.14)	-122.61	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/20/2020	0000	188.47	(0.14)	-122.47	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/25/2020	0000	188.37	(0.10)	-122.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	12/30/2020	0000	188.18	(0.19)	-122.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/5/2021	0	188.04	(0.14)	-122.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/10/2021	0	187.9	(0.14)	-121.9	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/15/2021	0	187.74	(0.16)	-121.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/20/2021	0	187.65	(0.09)	-121.65	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	1/25/2021	1752	187.47	(0.18)	-121.47	1	Texas Water Development Board	Electric Line		
P	1/30/2021	0	187.46	(0.01)	-121.46	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/5/2021	0	187.41	(0.05)	-121.41	1	Texas Water Development Board	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-409

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/10/2021	0	187.41	0.00	-121.41	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/15/2021	0	187.37	(0.04)	-121.37	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/20/2021	0	187.45	0.08	-121.45	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	2/25/2021	0	187.54	0.09	-121.54	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/5/2021	0	187.89	0.35	-121.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/10/2021	0	188.11	0.22	-122.11	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/15/2021	0	188.16	0.05	-122.16	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/25/2021	0	188.14	(0.02)	-122.14	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	3/30/2021	0	188.15	0.01	-122.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/5/2021	0	188.09	(0.06)	-122.09	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/10/2021	0	187.94	(0.15)	-121.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/15/2021	0	187.88	(0.06)	-121.88	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/20/2021	0	187.8	(0.08)	-121.8	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/25/2021	0	187.68	(0.12)	-121.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	4/30/2021	0	187.59	(0.09)	-121.59	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/5/2021	0	187.35	(0.24)	-121.35	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/10/2021	0	187.29	(0.06)	-121.29	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/15/2021	0	187.24	(0.05)	-121.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/20/2021	0	186.97	(0.27)	-120.97	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/25/2021	0	186.85	(0.12)	-120.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	5/30/2021	0	186.77	(0.08)	-120.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/5/2021	0	186.57	(0.20)	-120.57	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/10/2021	0	186.51	(0.06)	-120.51	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/15/2021	0	186.43	(0.08)	-120.43	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/20/2021	0	186.34	(0.09)	-120.34	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/25/2021	0	186.26	(0.08)	-120.26	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	6/30/2021	0	186.23	(0.03)	-120.23	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/5/2021	0	186.21	(0.02)	-120.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/10/2021	0	186.17	(0.04)	-120.17	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/15/2021	0	186.12	(0.05)	-120.12	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/20/2021	0	186.04	(0.08)	-120.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/25/2021	0	185.97	(0.07)	-119.97	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	7/30/2021	0	185.89	(0.08)	-119.89	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/1/2021	0	185.85	(0.04)	-119.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/2/2021	0	185.82	(0.03)	-119.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/3/2021	0	185.81	(0.01)	-119.81	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/4/2021	0	185.8	(0.01)	-119.8	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/5/2021	0	185.8	0.00	-119.8	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/6/2021	0	185.79	(0.01)	-119.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/7/2021	0	185.77	(0.02)	-119.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/8/2021	0	185.77	0.00	-119.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/9/2021	0	185.76	(0.01)	-119.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/10/2021	0	185.76	0.00	-119.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/11/2021	0	185.76	0.00	-119.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/12/2021	0	185.75	(0.01)	-119.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/13/2021	0	185.75	0.00	-119.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/14/2021	0	185.74	(0.01)	-119.74	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/15/2021	0	185.72	(0.02)	-119.72	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/16/2021	0	185.69	(0.03)	-119.69	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/17/2021	0	185.68	(0.01)	-119.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/18/2021	0	185.67	(0.01)	-119.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/19/2021	0	185.67	0.00	-119.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/20/2021	0	185.67	0.00	-119.67	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/21/2021	0	185.68	0.01	-119.68	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/22/2021	0	185.69	0.01	-119.69	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/23/2021	0	185.7	0.01	-119.7	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/24/2021	0	185.72	0.02	-119.72	1	Texas Water Development Board	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/25/2021	0	185.73	0.01	-119.73	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/26/2021	0	185.75	0.02	-119.75	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/27/2021	0	185.76	0.01	-119.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/28/2021	0	185.76	0.00	-119.76	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/29/2021	0	185.77	0.01	-119.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/30/2021	0	185.77	0.00	-119.77	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	8/31/2021	0	185.78	0.01	-119.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/1/2021	0	185.78	0.00	-119.78	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/2/2021	0	185.79	0.01	-119.79	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/3/2021	0	185.82	0.03	-119.82	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/4/2021	0	185.83	0.01	-119.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/5/2021	0	185.83	0.00	-119.83	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/6/2021	0	185.85	0.02	-119.85	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/7/2021	0	185.86	0.01	-119.86	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/8/2021	0	185.88	0.02	-119.88	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/9/2021	0	185.91	0.03	-119.91	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/10/2021	0	185.95	0.04	-119.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/11/2021	0	185.98	0.03	-119.98	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/12/2021	0	186.02	0.04	-120.02	1	Texas Water Development Board	Recorder (Float or Transducer)		

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-409

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/13/2021	0	186.01	(0.01)	-120.01	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/14/2021	0	185.94	(0.07)	-119.94	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/15/2021	0	185.93	(0.01)	-119.93	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/16/2021	0	185.93	0.00	-119.93	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/17/2021	0	185.95	0.02	-119.95	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/18/2021	0	185.99	0.04	-119.99	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/19/2021	0	186.02	0.03	-120.02	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/20/2021	0	186.04	0.02	-120.04	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/21/2021	0	186.07	0.03	-120.07	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/22/2021	0	186.12	0.05	-120.12	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/23/2021	0	186.15	0.03	-120.15	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/24/2021	0	186.18	0.03	-120.18	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/25/2021	0	186.21	0.03	-120.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/26/2021	0	186.24	0.03	-120.24	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/27/2021	0	186.25	0.01	-120.25	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/28/2021	0	186.25	0.00	-120.25	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/29/2021	0	186.21	(0.04)	-120.21	1	Texas Water Development Board	Recorder (Float or Transducer)		
P	9/30/2021	0	186.21	0.00	-120.21	1	Texas Water Development Board	Recorder (Float or Transducer)		

Code Descriptions

Status Code	Status Description
P	Publishable
X	No Measurement

Remark ID	Remark Description
30	Well site temporarily inaccessible due to impassable roads, locked gate, etc.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-409

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 412 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 34 Longitude - 95 22 11 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Lindale Park

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1946 Depth - 800 ft. Source of Depth - R Altitude - 62 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 14 412

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-412

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514412
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.809723
Latitude (degrees minutes seconds)	29° 48' 35" N
Longitude (decimal degrees)	-95.37
Longitude (degrees minutes seconds)	095° 22' 12" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	62
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	800
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1946
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Lindale Park
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. L 65-14-413

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

ck N

Record by _____ Source of data _____ Date 9-10-67 Map 1955 Cottegast 1:24000

State Texas 48 County (or town) Harris LJ

Latitude: 29 49 18 N (deg, min, sec) Longitude: 095 21 13 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ 65 14 413 Other number: #656 B & M

Local use: _____ Owner or name: Koppers Co. Inc Well J

Owner or name: KOPPERS COMPANY Address: Houston, Tex.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other X

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed U

DATA AVAILABLE: Well data B Freq. W/L meas.: 1931 - - - Semiannually S Field aquifer char.

Hyd. lab. data: drop MIS 9-73

Qual. water data; type:

Freq. sampling: 1-28-1942 Ø Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: none

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 666 ft 666 Meas. rept accuracy

Depth cased (first perf.): 622 ft 622 Casing type: S ; Diam. 8-6 in 8

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: before 1931 Pump intake setting: _____ ft

Driller: McMaster & Company, Pasadena, Tex (name, address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) ret, (S) submerg, (T) turb, (Z) other N Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. N Trans. or meter no.

Descrip. MP Top of 4" pipe +1.0 ft above/below LSD, Alt. MP 65

Alt. LSD: 64 64 Accuracy (source): Topo 5' 3

Water Level 252.54 ft above/below MP; Ft above/below LSD 252 Accuracy: Meas 4

Date meas: 2-9-67 267 Yield: _____ gpm Method determined

Drawdown: _____ ft Accuracy: _____ Pumping period _____ hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct _____ K x 10^6 Temp. _____ °F Date sampled

Taste, color, etc.

Well No. L 65-14-413

Well No. [illegible]

Latitude-longitude [illegible] (N) S [illegible]
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain 0 3 (20–21) Section: Western

F (22) Drainage Basin: 5 1 R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31)

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: 44 ft 4 4 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: 622-666'

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

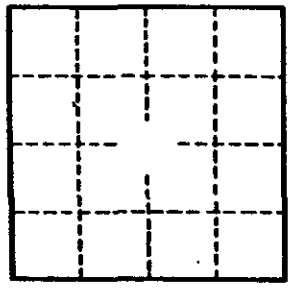
Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)

c59

622' of 8" 0-622' formerly Texas
44' of 6" 622-666' creosoting co.
#1.



Well No. [illegible]

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-413

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514413
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.821944
Latitude (degrees minutes seconds)	29° 49' 19" N
Longitude (decimal degrees)	-95.353889
Longitude (degrees minutes seconds)	095° 21' 14" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	666
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Koppers Company, Inc.
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	2/3/1999
Last Update Date	2/3/1999

Remarks	Screen from 622 to 666 ft. Well 1.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

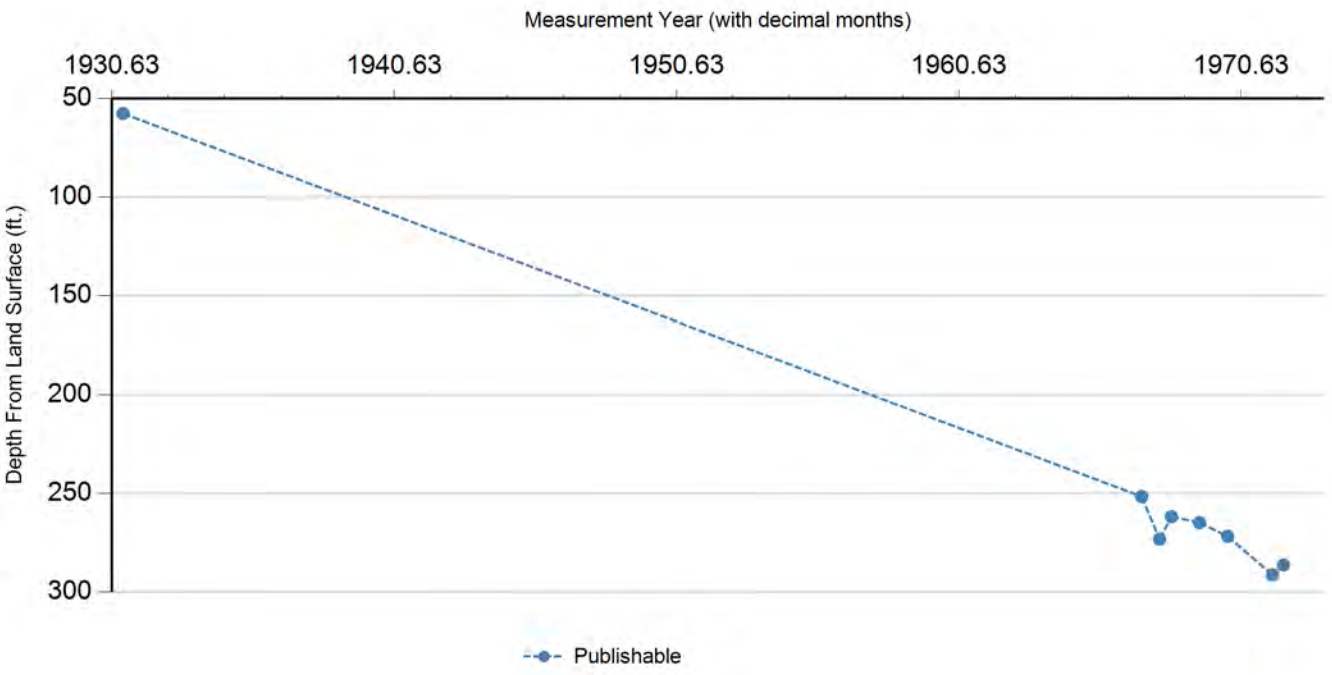
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/9/1931		57.7		6.3	1	Texas Water Development Board	Steel Tape		
P	2/9/1967		251.54	193.84	-187.54	1	U.S. Geological Survey	Steel Tape		
P	9/29/1967		273.15	21.61	-209.15	1	U.S. Geological Survey	Steel Tape		
P	2/28/1968		261.78	(11.37)	-197.78	1	U.S. Geological Survey	Steel Tape		
P	2/27/1969		264.73	2.95	-200.73	1	U.S. Geological Survey	Steel Tape		
P	2/25/1970		271.72	6.99	-207.72	1	U.S. Geological Survey	Steel Tape		
P	9/28/1971		291.21	19.49	-227.21	1	U.S. Geological Survey	Steel Tape		
P	2/18/1972		286.2	(5.01)	-222.2	1	U.S. Geological Survey	Steel Tape		
X	0/0/1973					1	U.S. Geological Survey	Steel Tape	23	

Code Descriptions

Status Code	Status Description
P	Publishable
X	No Measurement

Remark ID	Remark Description
23	Well apparently bridged or caved

Water Quality Analysis

Sample Date: 1/9/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		30	mg/L	

Water Quality Analysis

Sample Date: 2/6/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		129	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		46	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		241	mg/L	

Water Quality Analysis

Sample Date: 7/25/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		170.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		208	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		129	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		43	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		235	mg/L	

Water Quality Analysis

Sample Date: 5/24/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.15	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		221	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.3	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		50	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		257	mg/L	

Water Quality Analysis

Sample Date: 2/20/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		123	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		46	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		233	mg/L	

Water Quality Analysis

Sample Date: 1/28/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00910	CALCIUM (MG/L)		39	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		138	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.83		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.66		
00932	SODIUM, CALCULATED, PERCENT		41	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		45	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		245	mg/L	

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	

Water Quality Analysis

Sample Date: 9/10/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		140.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		172	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		87	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	

Water Quality Analysis

Sample Date: 6/18/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		160.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		196	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	

Water Quality Analysis

Sample Date: 2/7/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		242	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		14	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		478	MICR	

Water Quality Analysis

Sample Date: 2/19/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		134	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		441	MICR	

Water Quality Analysis

Sample Date: 2/18/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		131.15	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		160	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		408	MICR	

Water Quality Analysis

Sample Date: 2/10/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		180	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		86	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		455	MICR	

Water Quality Analysis

Sample Date: 2/15/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		149.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		182	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		101	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		434	MICR	

Water Quality Analysis

Sample Date: 2/12/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		184.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		225	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		135	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		453	MICR	

Water Quality Analysis

Sample Date: 2/18/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		403	MICR	

Water Quality Analysis

Sample Date: 3/18/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		434	MICR	

Water Quality Analysis

Sample Date: 2/20/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		393	MICR	

Water Quality Analysis

Sample Date: 4/19/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		168.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		205	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		117	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		430	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 7/31/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		168.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		206	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		100	ug/L	
00910	CALCIUM (MG/L)		37	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		129	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		9	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.78		
00955	SILICA, DISSOLVED (MG/L AS SI02)		24	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.72		
00932	SODIUM, CALCULATED, PERCENT		42	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		45	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		437	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		262	mg/L	

Water Quality Analysis

Sample Date: 2/2/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		131	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		457	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-413

Water Quality Analysis

Sample Date: 2/26/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		134	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		456	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-414

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514414
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.822222
Latitude (degrees minutes seconds)	29° 49' 20" N
Longitude (decimal degrees)	-95.354167
Longitude (degrees minutes seconds)	095° 21' 15" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	661
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1946
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Koppers Company, Inc.
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Screen from 619 to 616 ft. Well 2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

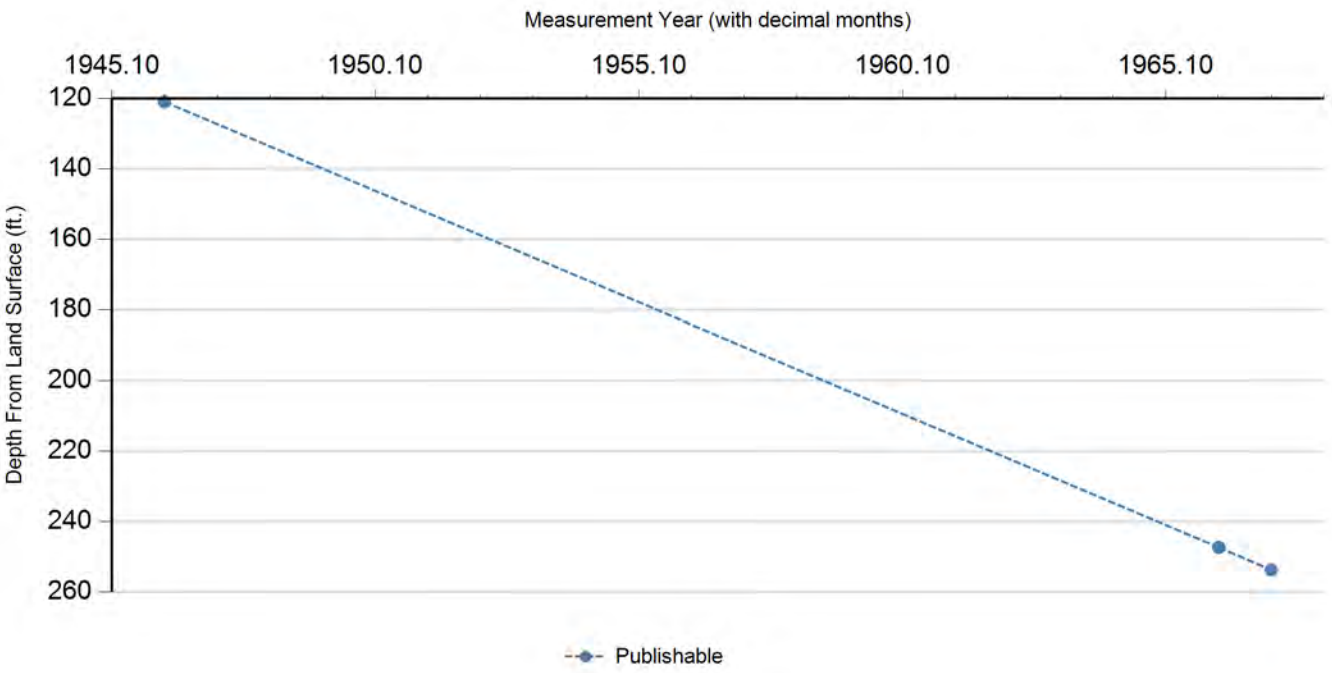
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-414

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/7/1946		121		-57	1	Registered Water Well Driller	Unknown		
P	2/10/1966		247.3	126.30	-183.3	1	Texas Water Development Board	Steel Tape		
P	2/9/1967		253.7	6.40	-189.7	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-414

Water Quality Analysis

Sample Date: 1/30/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		136	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		449	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-415

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514415
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.808612
Latitude (degrees minutes seconds)	29° 48' 31" N
Longitude (decimal degrees)	-95.363334
Longitude (degrees minutes seconds)	095° 21' 48" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	61
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	191
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1953
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	W. E. Emerson
Driller	Briggs Pump Service
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 181 to 191 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

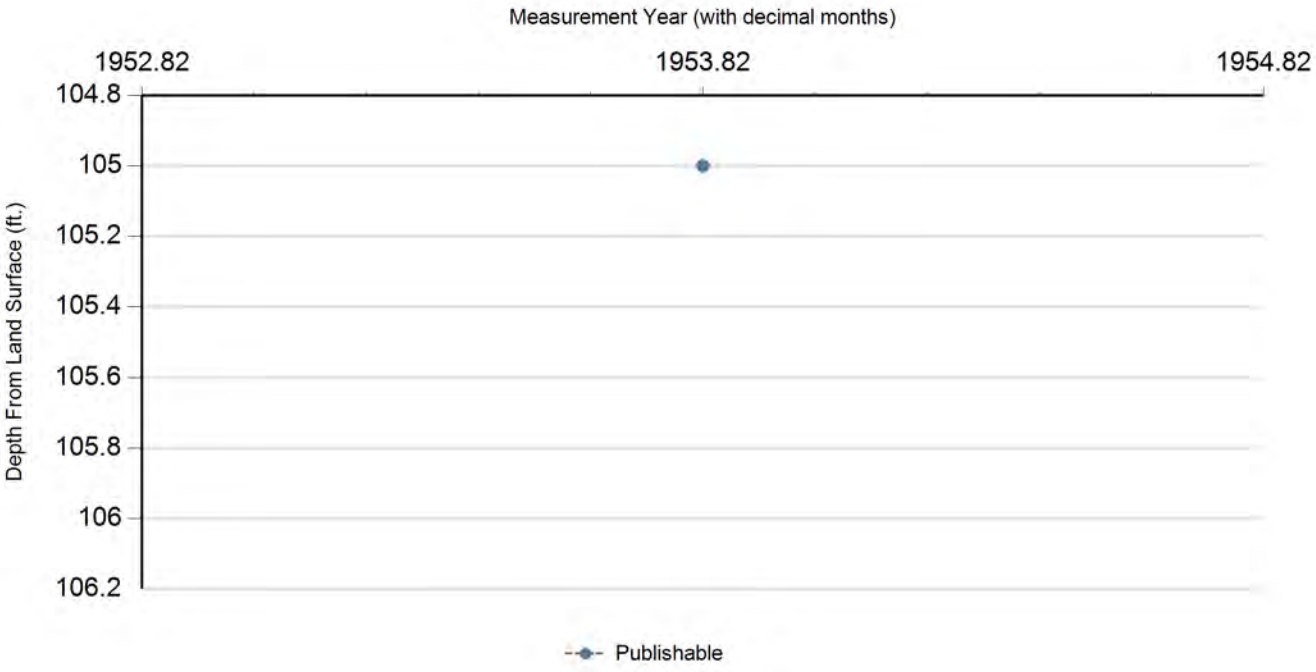
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-415

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/0/1953		105		-44	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514416 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294753 **Longitude** 952045 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Standard Rendering Co.

Driller
J. C. Bland Water Systems

Address _____ **Tenant/Oper.** _____

Date Drilled **Depth** 520 **Source of Depth** **Altitude** 54 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr.** - _____ **Type** - TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting** - _____ **ft.** **Column Diam.** - _____ **in.**

Motor Mfr. - _____ **Fuel or Power** - ELECTRIC MOTOR **Horsepower** -

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.**- _____ **Date**- _____

WATER USE **Primary** - INDUSTRIAL **Secondary** - **Tertiary** -

OTHER DATA AVAILABLE **Water Levels** - M **Quality** - N **Logs** - **Other Data** -

WATER LEVELS
1 measurement
1960
-240

Recorded By _____ **Date Record Collected or Updated** - 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178

Aquifer - 112CHCTL **ID** - 15
CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-416

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514416
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.798056
Latitude (degrees minutes seconds)	29° 47' 53" N
Longitude (decimal degrees)	-95.345834
Longitude (degrees minutes seconds)	095° 20' 45" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	520
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Standard Rendering Co.
Driller	J. C. Bland Water Systems
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

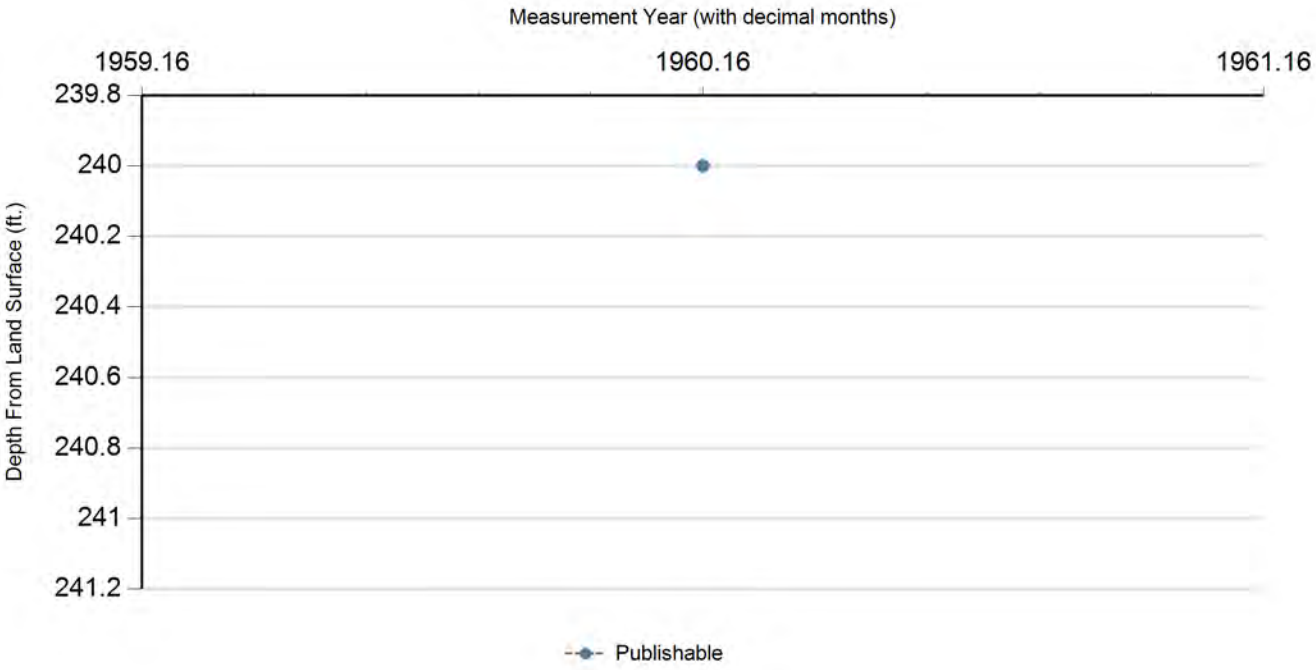
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1960		240		-186	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514417 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294753 **Longitude** 952045 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Standard Rendering Co.

Driller
J. C. Bland Water Systems

Address _____ **Tenant/Oper.** _____

Date Drilled / /1951 **Depth** 515 **Source of Depth** **Altitude** 54 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** blank **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1960
-240

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 485 to 515 ft.

Aquifer - 112CHCTL **ID -** 15
CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-417

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514417
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.798056
Latitude (degrees minutes seconds)	29° 47' 53" N
Longitude (decimal degrees)	-95.345834
Longitude (degrees minutes seconds)	095° 20' 45" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	515
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1951
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Standard Rendering Co.
Driller	J. C. Bland Water Systems
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 485 to 515 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

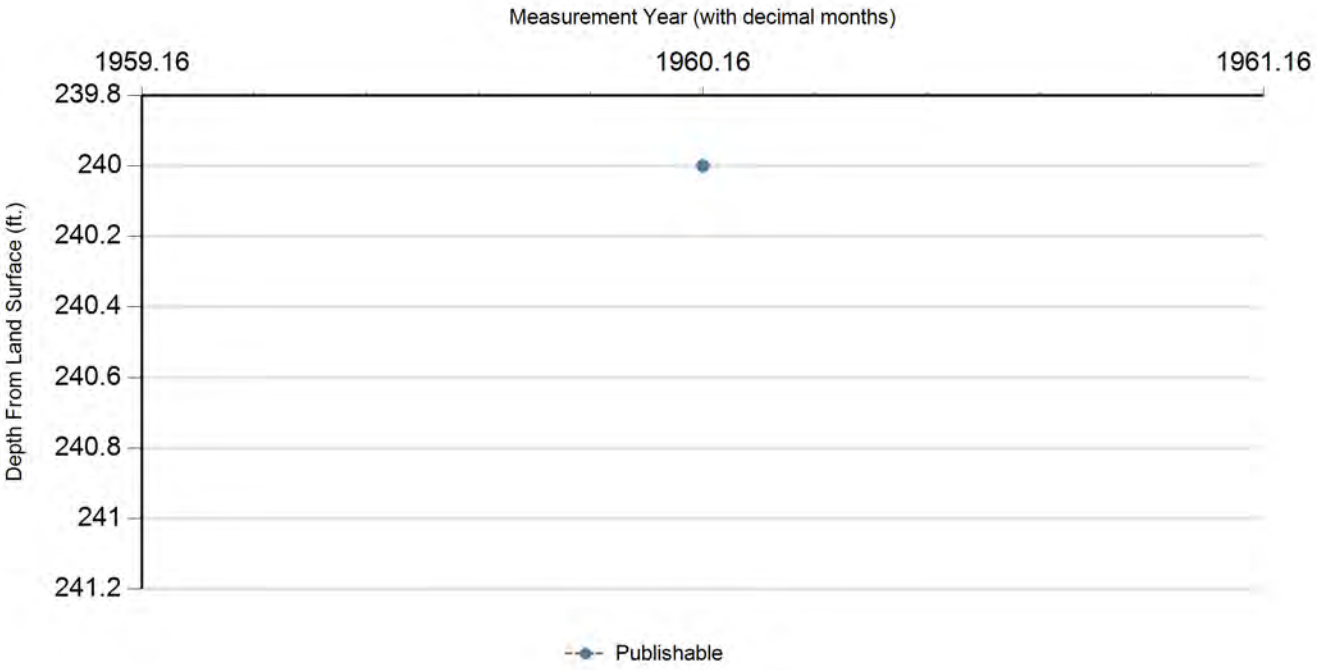
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1960		240		-186	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 418 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 49 00 Longitude - 95 22 00 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Oakwood

Driller - A E Fawcett

Address _____ Tenant/Oper. _____
Date Drilled - / /1938 Depth - 220 ft. Source of Depth - R Altitude - 69 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 14 418

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-418

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514418
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.816944
Latitude (degrees minutes seconds)	29° 49' 01" N
Longitude (decimal degrees)	-95.366944
Longitude (degrees minutes seconds)	095° 22' 01" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	69
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	220
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Oakwood
Driller	A E Fawcett
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 419 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 49 14 Longitude - 95 22 19 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Lone Star Cement Co. Driller - Lowry Water Wells

Address _____ Tenant/Oper. _____
Date Drilled - / /1967 Depth - 465 ft. Source of Depth - Altitude - 69 ft. Source of Alt. -
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 20

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 12/20/1967 Measurement- -226.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
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Reporting Agency -
REMARKS -
Screen from 445 to 463 ft.

Aquifer - 112CHCTL
Well No. - 65 14 419

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-419

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514419
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.820833
Latitude (degrees minutes seconds)	29° 49' 15" N
Longitude (decimal degrees)	-95.372222
Longitude (degrees minutes seconds)	095° 22' 20" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	69
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	465
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1967
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Lone Star Cement Co.
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	Screen from 445 to 463 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

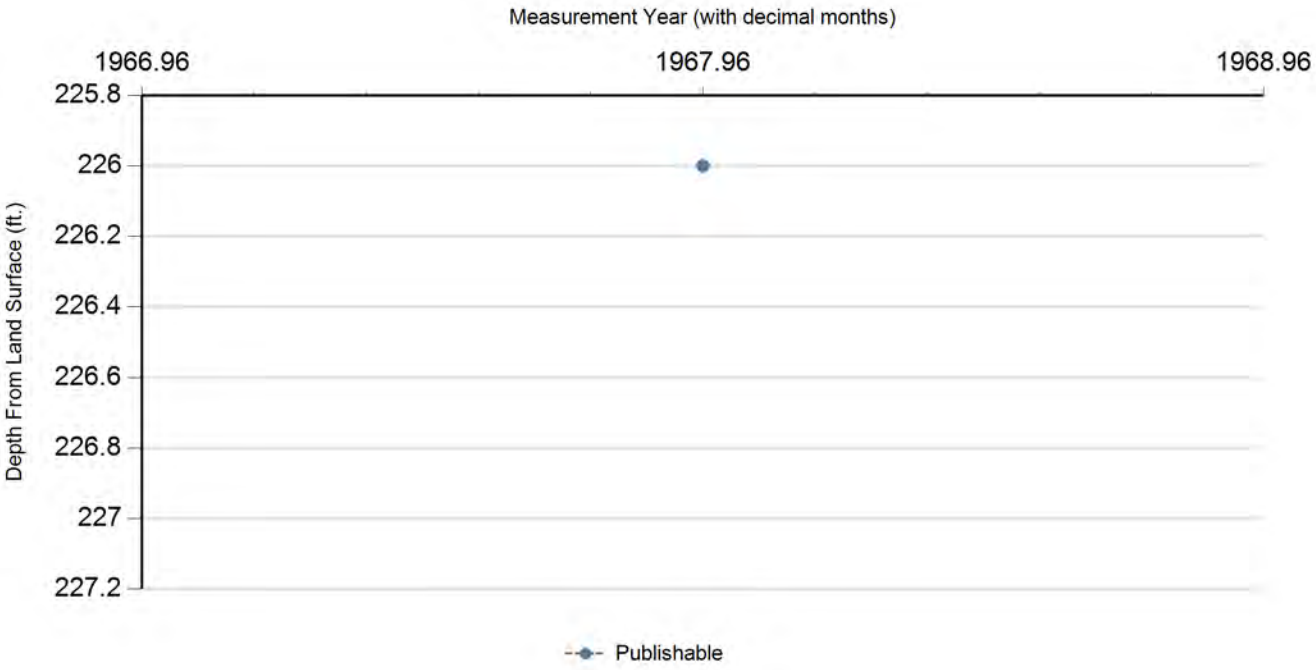
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-419

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/20/1967		226		-157	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-419

Water Quality Analysis

Sample Date: 5/23/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		100	ug/L	
00910	CALCIUM (MG/L)		59	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		178	mg/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		23	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.11		
00932	SODIUM, CALCULATED, PERCENT		29	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		34	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		512	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		291	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-420

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514420
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.810834
Latitude (degrees minutes seconds)	29° 48' 39" N
Longitude (decimal degrees)	-95.349167
Longitude (degrees minutes seconds)	095° 20' 57" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	478
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1971
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Northside Ready Mix Concrete Co.
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 456 to 476 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

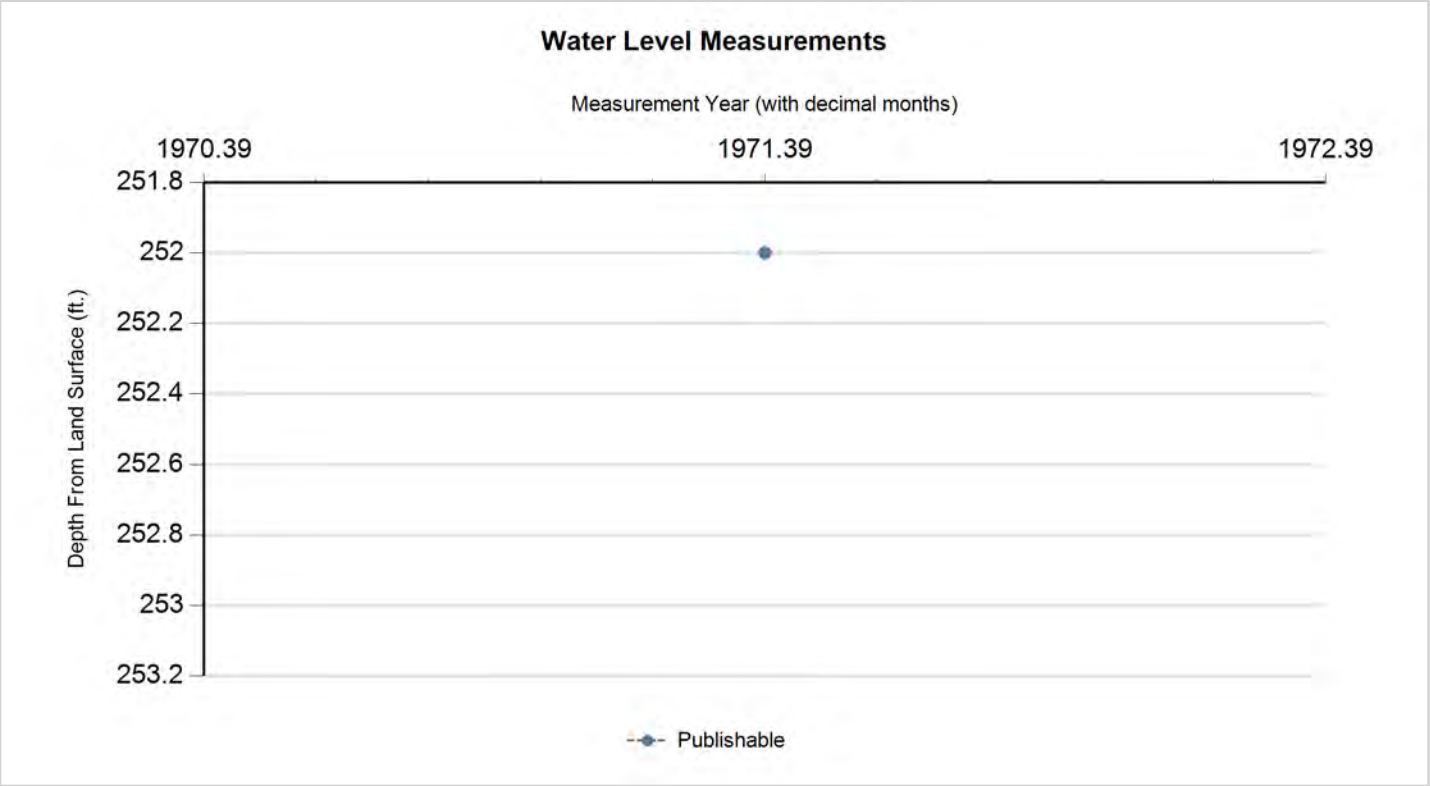
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/21/1971		252		-196	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 424 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 49 34 Longitude - 95 22 14 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Oakwood

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - 05/ /1941 Depth - 753 ft. Source of Depth - R Altitude - 69 ft. Source of Alt. - M
Aquifer - 112CEVG CHICOT AND EVANGELINE AQUIFERS Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CEVG
Well No. - 65 14 424

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-424

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514424
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.826389
Latitude (degrees minutes seconds)	29° 49' 35" N
Longitude (decimal degrees)	-95.370833
Longitude (degrees minutes seconds)	095° 22' 15" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	69
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	753
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	5/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Oakwood
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 425 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 38 Longitude - 95 20 40 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hunt-Wesson Foods, Inc Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1928 Depth - 834 ft. Source of Depth - Altitude - 53 ft. Source of Alt. -
Aquifer - 112CEVG CHICOT AND EVANGELINE AQUIFERS Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 01/14/1931 Measurement- -62.90
Date- 06/02/1947 Measurement- -141.90

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
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Reporting Agency -
REMARKS -
141 ft of screen between 485 and
824 ft. Reported yield 525 gpm with
50 ft drawdown when drilled. Well
destroyed. Well 2.

Aquifer - 112CEVG
Well No. - 65 14 425

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-425

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514425
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.793889
Latitude (degrees minutes seconds)	29° 47' 38" N
Longitude (decimal degrees)	-95.344445
Longitude (degrees minutes seconds)	095° 20' 40" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	53
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	834
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1928
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Hunt-Wesson Foods, Inc
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	141 ft of screen between 485 and 824 ft. Reported yield 525 gpm with 50 ft drawdown when drilled. Well destroyed. Well 2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

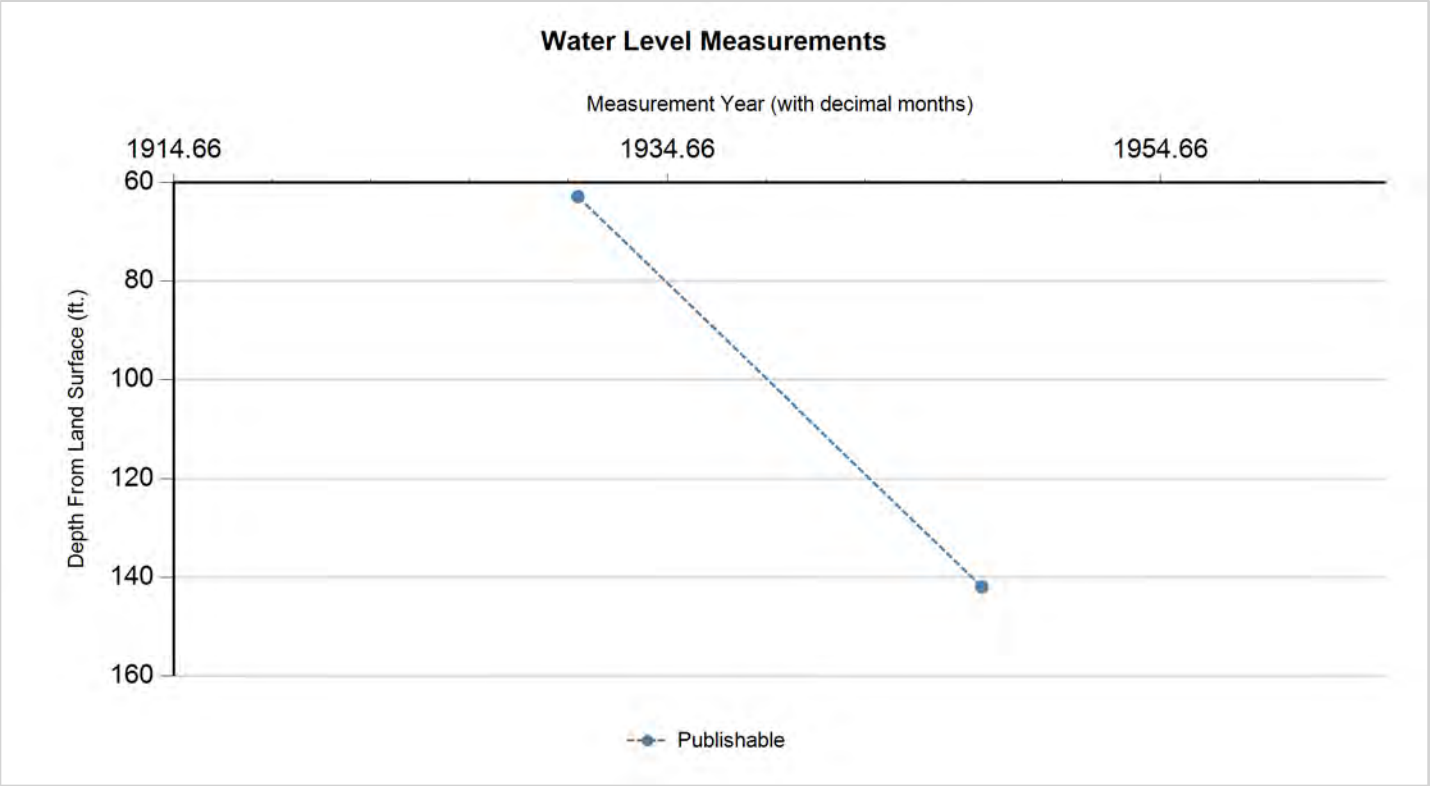
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/14/1931		62.9		-9.9	1	Texas Water Development Board	Steel Tape		
P	6/2/1947		141.9	79.00	-88.9	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/14/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		30	mg/L	

Water Quality Analysis

Sample Date: 1/14/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.3	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		43	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		259	mg/L	

Water Quality Analysis

Sample Date: 7/25/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		141	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		50	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		265	mg/L	

Water Quality Analysis

Sample Date: 5/24/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		184.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		225	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		135	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.7	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		51	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		260	mg/L	

Water Quality Analysis

Sample Date: 2/20/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		162.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		198	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		132	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		40	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		231	mg/L	

Water Quality Analysis

Sample Date: 1/28/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		228	mg/L	
00910	CALCIUM (MG/L)		44	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.71		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.49		
00932	SODIUM, CALCULATED, PERCENT		37	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		42	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		250	mg/L	

Water Quality Analysis

Sample Date: 1/18/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.15	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		221	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	

Water Quality Analysis

Sample Date: 9/10/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		168.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		205	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		108	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-425

Water Quality Analysis

Sample Date: 2/12/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		66	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 428 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 59 Longitude - 95 21 54 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Lindale Park

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - 02/11/1938 Depth - 856 ft. Source of Depth - D Altitude - 64 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 14 428

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-428

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514428
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.816389
Latitude (degrees minutes seconds)	29° 48' 59" N
Longitude (decimal degrees)	-95.365278
Longitude (degrees minutes seconds)	095° 21' 55" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	856
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	2/11/1938
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Lindale Park
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-431

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514431
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.807223
Latitude (degrees minutes seconds)	29° 48' 26" N
Longitude (decimal degrees)	-95.34
Longitude (degrees minutes seconds)	095° 20' 24" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	579
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1955
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Goodwill Industries #3
Driller	Texas Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514432 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294806 **Longitude** 952110 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Newsom's Truck Lines

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1939 **Depth** 210 **Source of Depth** **Altitude** 54 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material

Screen Material

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1939
-64

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 200 to 210 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-432

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514432
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.801667
Latitude (degrees minutes seconds)	29° 48' 06" N
Longitude (decimal degrees)	-95.352778
Longitude (degrees minutes seconds)	095° 21' 10" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	210
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Newsom's Truck Lines
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 200 to 210 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

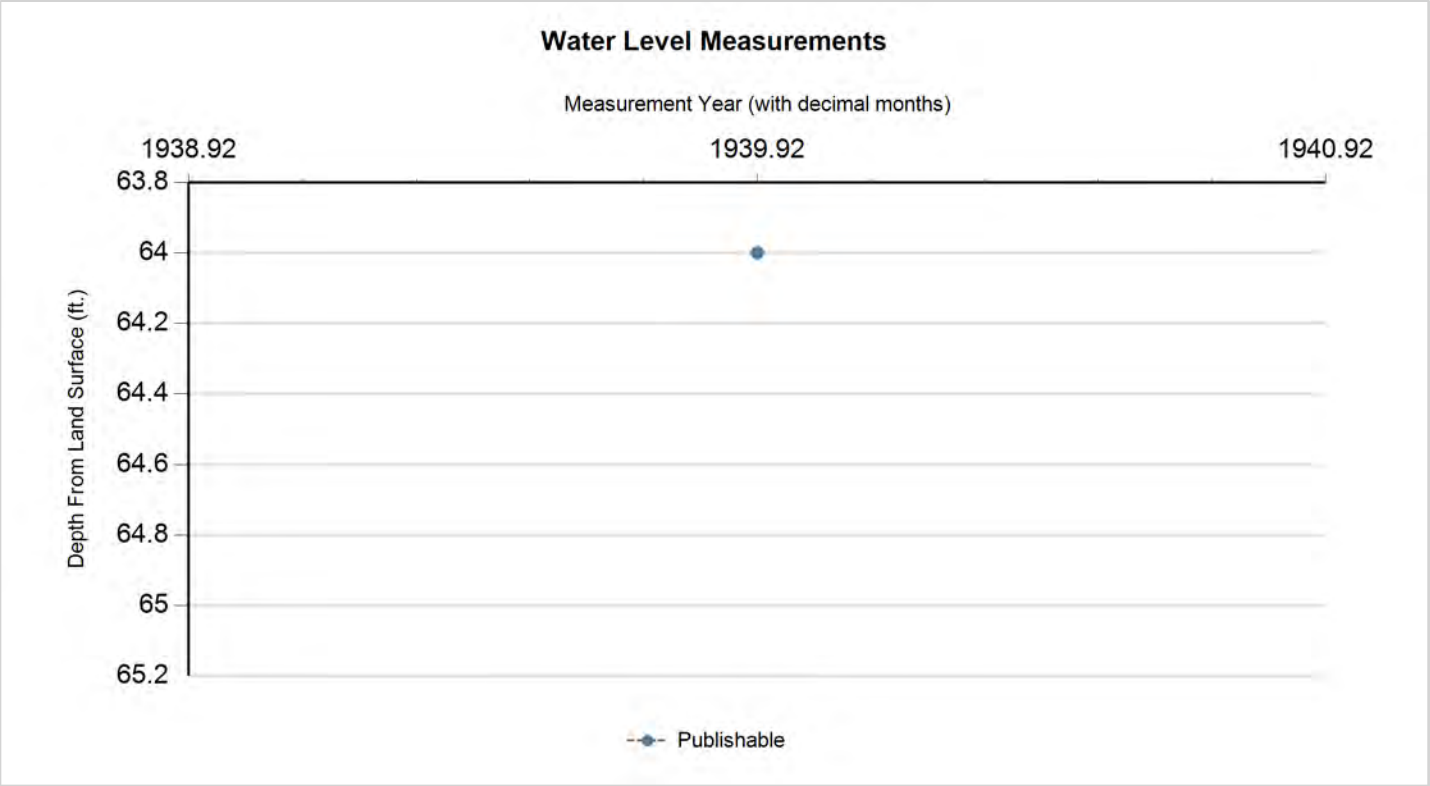
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/5/1939		64		-10	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 435 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 59 Longitude - 95 21 54 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Lindale Park

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - 06/17/1940 Depth - 853 ft. Source of Depth - D Altitude - 64 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Aquifer - 121EVGL
Well No. - 65 14 435

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-435

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514435
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.816389
Latitude (degrees minutes seconds)	29° 48' 59" N
Longitude (decimal degrees)	-95.365278
Longitude (degrees minutes seconds)	095° 21' 55" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	853
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/17/1940
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Lindale Park
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6514438 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294731 **Longitude** 952043 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Olds Press & Forge Co.

Driller
Lowry water Wells

Address _____ **Tenant/Oper.** _____

Date Drilled / /1966 **Depth** 302 **Source of Depth** **Altitude** 54 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1966
-145

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 282 to 302 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-438

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514438
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791945
Latitude (degrees minutes seconds)	29° 47' 31" N
Longitude (decimal degrees)	-95.345278
Longitude (degrees minutes seconds)	095° 20' 43" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	302
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1966
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Olds Press & Forge Co.
Driller	Lowry water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 282 to 302 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

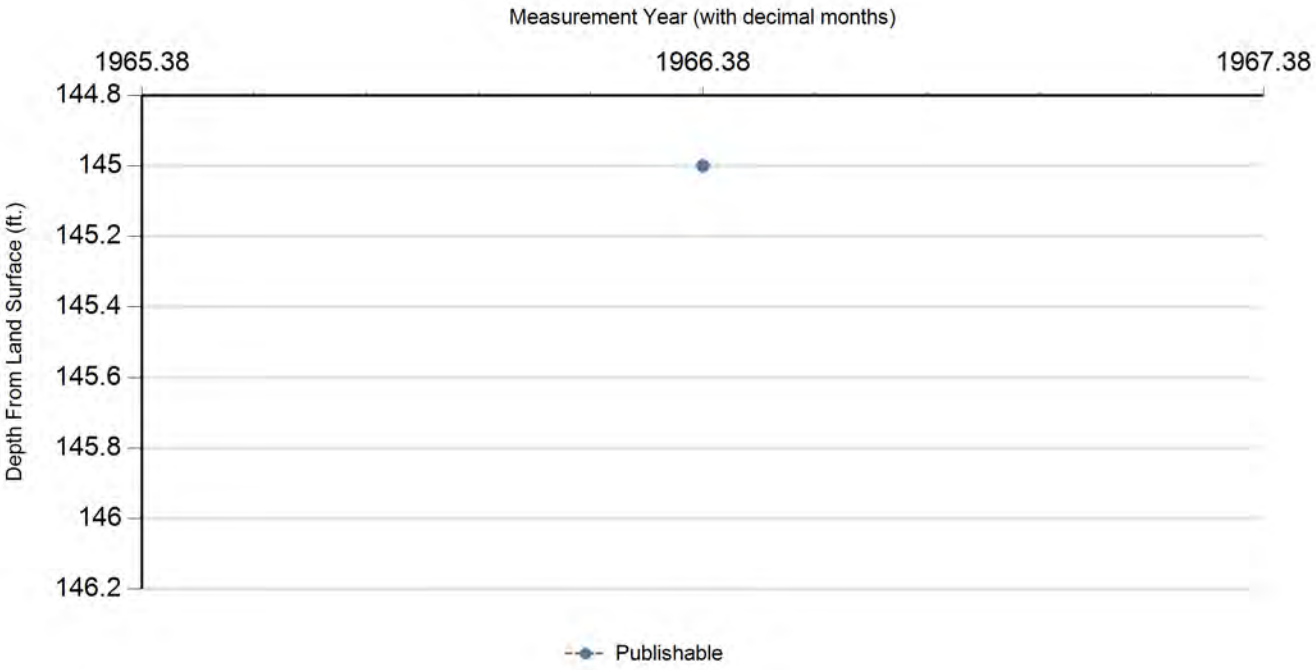
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/19/1966		145		-91	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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April 1966

J65-14-439

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by H. PETERS Source of data DRILLER Date 11-23-76 Map

State TEXAS 48 County (or town) HARRIS LJ

Latitude: 29 47 17 N Longitude: 095 21 30 Sequential number: 1

Lat-long accuracy: T_____ N S, R_____ E W, Sec_____, _____k, _____k, _____k B & M

Local well number: LJ-65-14-439 Other number:

Local use: Owner or name: Gifford-Hill American, Inc.

Owner or name: GIFFORD HILL Address: Irvington 11201 Greenville Ave.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — N

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. — W

DATA AVAILABLE: Well data ____ Freq. W/L meas.: ____ Ø Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: NONE ____ Pumpage inventory: yes no, period: ____

Aperture cards: ____ yes ____

Log data: D-Log 0-526' D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 552 ft 552 Meas. rept Driller accuracy 3

Depth cased: (first perf.) 490 ft 490 Casing type: Steel ; Diam. 6-4 in 6

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other ____ S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ H

Date Drilled: 8-19-74 974 Pump intake setting: 354 ft 354

Driller: Bussell & Son, Inc. (name) Houston, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other ____ Deep ____ Shallow ____

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat, LP, H.P. ____ Trans. or meter no. ____

Descrip. MP ____ ft above below LSD, Alt. MP ____

Alt. LSD: 64 64 Accuracy: (source) topo 5' B

Water Level 264 ft above below MP; Ft above below LSD 264 Accuracy: Rept-Driller G

Date meas: 8-23-74 874 Yield: ____ gpm Method determined ____

Drawdown: ____ ft Accuracy: ____ Pumping period ____ hrs

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No.

Well LJ 65-14 439

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN (20–21) 03 Section: _____

F (22) Drainage Basin: _____ (23–25) SAR Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series (28–29) Chicot aquifer, formation, group (30–31) C

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 32 ft (38–40) 32 Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: 490'-504' 508'-526'

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

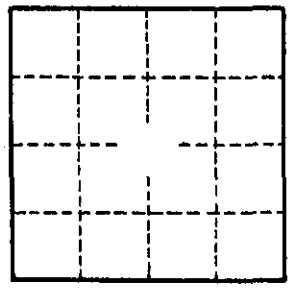
Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

6" Csg 0-454

4" Csg 454-526

Cemented 0-454'



Well No.

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-439

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514439
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.821389
Latitude (degrees minutes seconds)	29° 49' 17" N
Longitude (decimal degrees)	-95.358334
Longitude (degrees minutes seconds)	095° 21' 30" W
Coordinate Source	+/- 1 Second
Aquifer Code	112GLFC - Gulf Coast Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	62
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	552
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	8/19/1974
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Gifford Hill
Driller	Bussell & Son, Inc.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	1/22/1999
Last Update Date	1/22/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 440 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 48 29 Longitude - 95 20 27 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Goodwill Industries Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1984 Depth - 561 ft. Source of Depth - D Altitude - 52 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - HYDRAULIC ROTARY
Completion -
Casing Material - STEEL
Screen Material - STEEL

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- Quality- Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 11/17/1987

Reporting Agency -
REMARKS -

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Aquifer - 112CHCT
Well No. - 65 14 440

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-440

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514440
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.808334
Latitude (degrees minutes seconds)	29° 48' 30" N
Longitude (decimal degrees)	-95.341111
Longitude (degrees minutes seconds)	095° 20' 28" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	561
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1984
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Goodwill Industries
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	11/17/1987
Last Update Date	1/6/2010

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 501 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 58 Longitude - 95 19 47 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Kashmere Gardens

Driller - Texas Water Wells

Address _____ Tenant/Oper. _____
Date Drilled - 07/ /1948 Depth - 1,035 ft. Source of Depth - D Altitude - 48 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____
| Diam. (in.) | Setting(feet) From | To

1		
2		
3		
4		
5		
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14		
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 14 501

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-501

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514501
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.799722
Latitude (degrees minutes seconds)	29° 47' 59" N
Longitude (decimal degrees)	-95.33
Longitude (degrees minutes seconds)	095° 19' 48" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	48
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1035
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	7/0/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Kashmere Gardens
Driller	Texas Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 507 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 47 58 Longitude - 95 19 47 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Kashmere Gardens

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1940 Depth - 544 ft. Source of Depth - R Altitude - 48 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
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19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 14 507

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-507

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514507
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.799722
Latitude (degrees minutes seconds)	29° 47' 59" N
Longitude (decimal degrees)	-95.33
Longitude (degrees minutes seconds)	095° 19' 48" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	48
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	544
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1940
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Kashmere Gardens
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514702 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294612 **Longitude** 952225 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Southern Pacific
Railroad

Driller
Layne Bowler Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1913 **Depth** 774 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1961
-233.8

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 722 to
744 ft.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-702

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514702
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.77
Latitude (degrees minutes seconds)	29° 46' 12" N
Longitude (decimal degrees)	-95.373611
Longitude (degrees minutes seconds)	095° 22' 25" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	774
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1913
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Southern Pacific Railroad
Driller	Layne Bowler Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 722 to 744 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

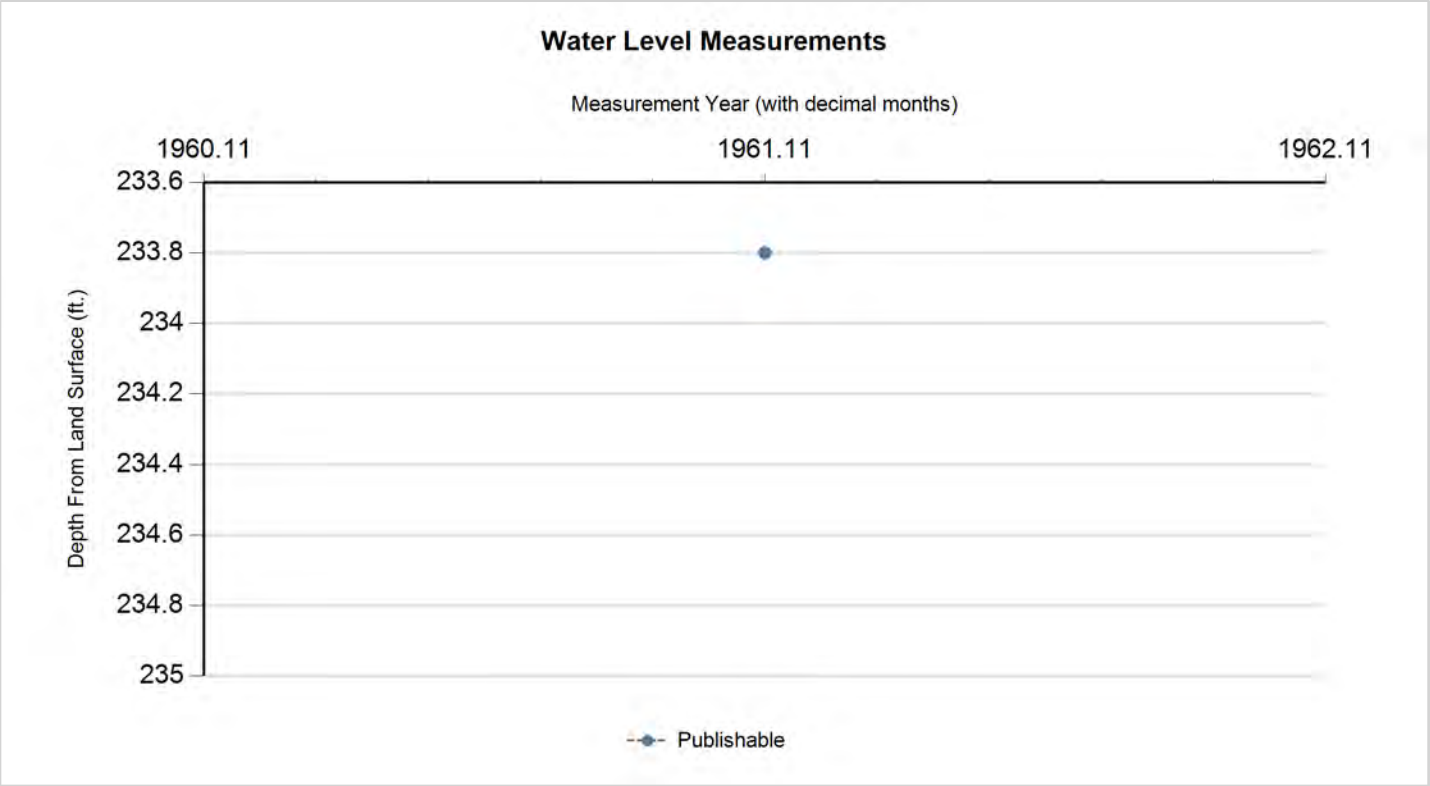
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/10/1961		233.8		-183.8	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board

Well Schedule

State Well Number 6514703 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294527 **Longitude** 952216 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Phenix Dairy
Well #2

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1948 **Depth** 962 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION **Const-Method** **Casing Material** **Screen Material** **Completion**

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1948
-186

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 120 ft. of screen
between 700 and 960 ft.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-703

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514703
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.757501
Latitude (degrees minutes seconds)	29° 45' 27" N
Longitude (decimal degrees)	-95.371111
Longitude (degrees minutes seconds)	095° 22' 16" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	962
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Phenix Dairy Well #2
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 120 ft. of screen between 700 and 960 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

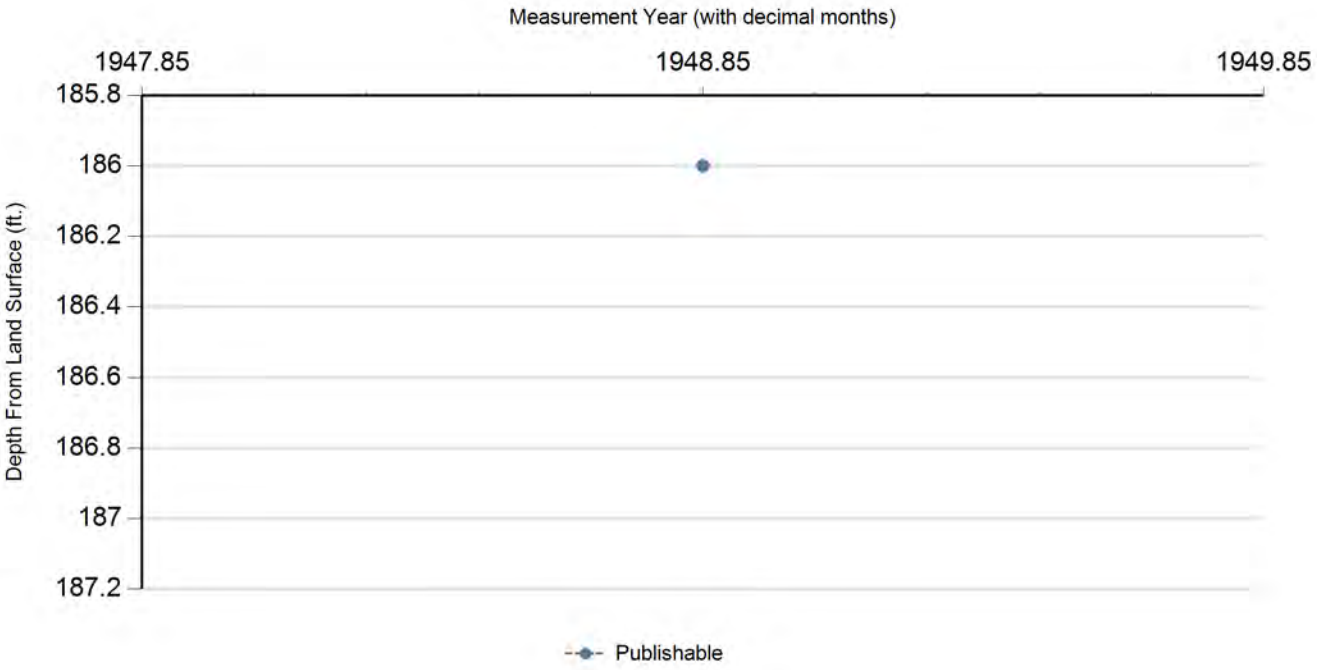
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/9/1948		186		-135	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514704 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294554 **Longitude** 952111 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Houston Lighting and
Power Co

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1949 **Depth** 1550 **Source of Depth** **Altitude** 35 **Source of Alt.**

Well Type W **User** 398000

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -** 75

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 3 measurements
1949 to 1952
MIN -240 MAX -198

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
295 ft of screen between 925 and
1545 ft. Reported yield 2000 gpm
with 60 ft drawdown when drilled.
Test hole drilled to 1921 ft.
Well 3.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-704

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514704
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.765001
Latitude (degrees minutes seconds)	29° 45' 54" N
Longitude (decimal degrees)	-95.353056
Longitude (degrees minutes seconds)	095° 21' 11" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	35
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1550
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1949
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Houston Lighting and Power Co
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	295 ft of screen between 925 and 1545 ft. Reported yield 2000 gpm with 60 ft drawdown when drilled. Test hole drilled to 1921 ft. Well 3.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

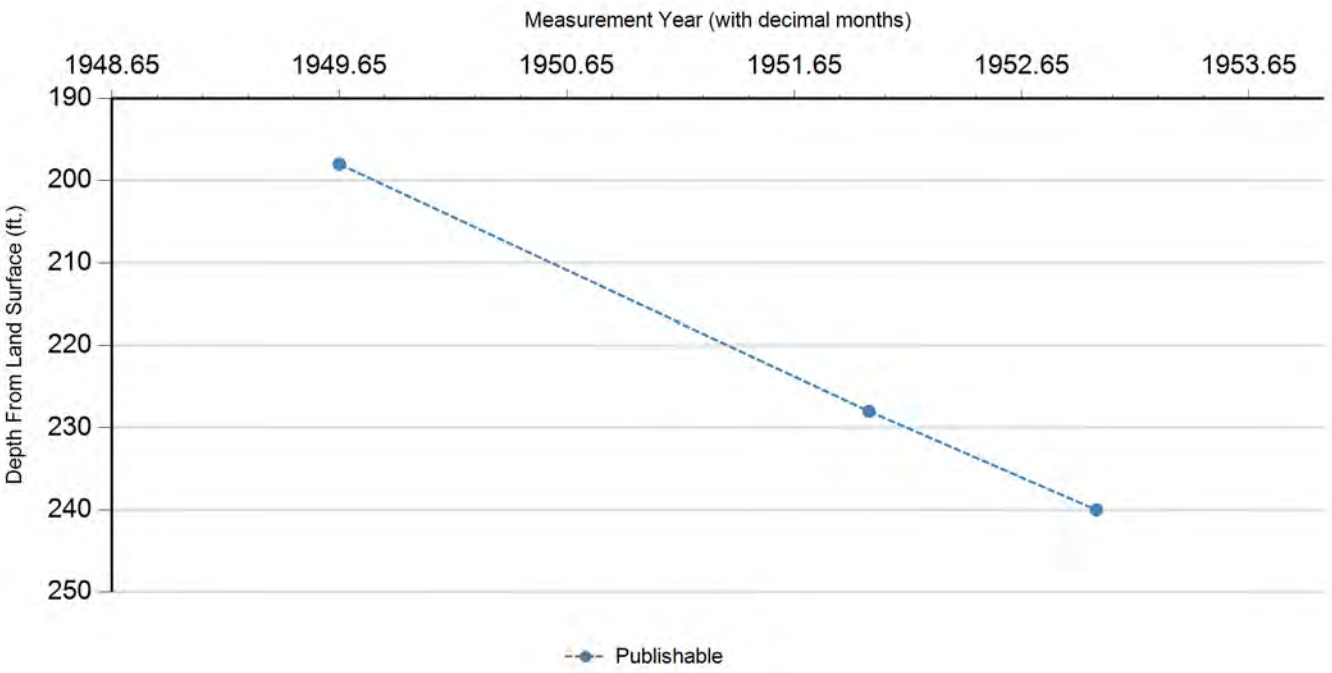
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/0/1949		198		-163	1	Registered Water Well Driller	Unknown		
P	11/0/1951		228	30.00	-193	1	Texas Water Development Board	Steel Tape		
P	11/0/1952		240	12.00	-205	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/30/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.19	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		74	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		454	MICR	

Water Quality Analysis

Sample Date: 1/30/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		277	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		56	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		538	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		245	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		67	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		466	MICR	

Water Quality Analysis

Sample Date: 3/8/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		490	MICR	

Water Quality Analysis

Sample Date: 3/14/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		479	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-704

Water Quality Analysis

Sample Date: 7/23/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		197.54	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		241	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		75	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		468	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-705

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514705
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.755001
Latitude (degrees minutes seconds)	29° 45' 18" N
Longitude (decimal degrees)	-95.334445
Longitude (degrees minutes seconds)	095° 20' 04" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	36
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	612
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1951
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Trinity Portland Cement Co.
Driller	Layne Texas co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 80 ft. of screen between 500 and 600 ft. Yield: 420 gpm with 79 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

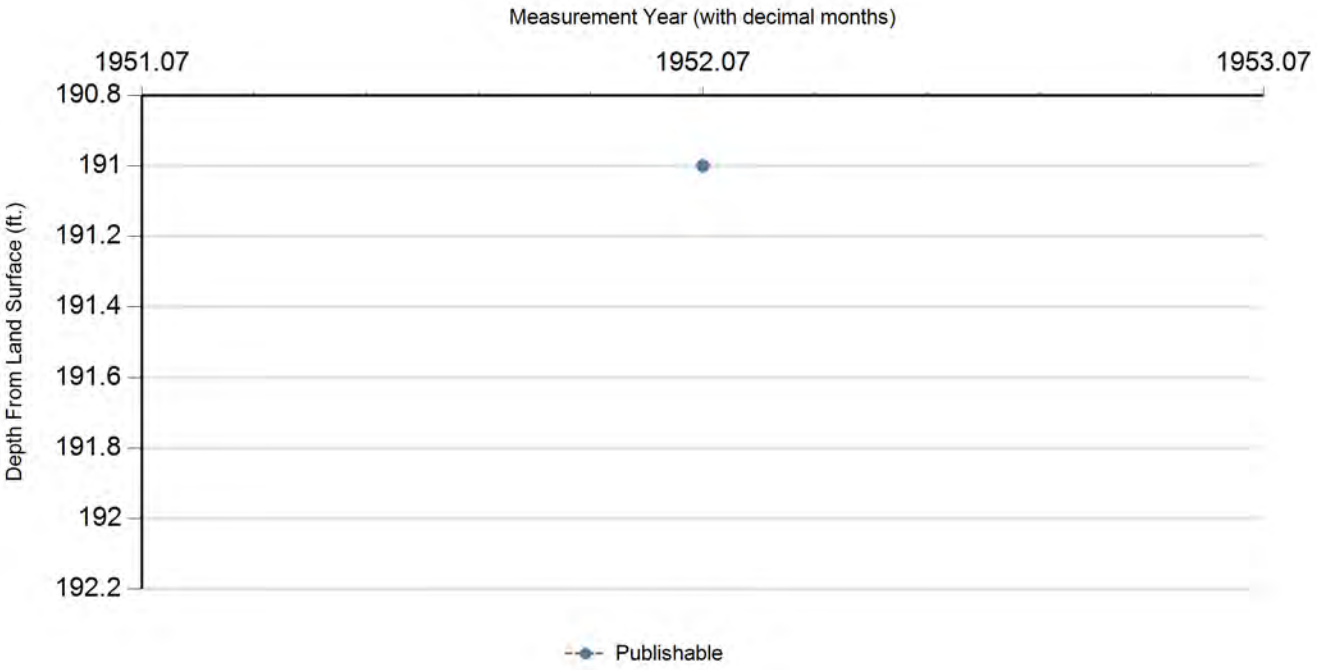
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/0/1951		191		-155	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-707

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION — (C)

MASTER CARD (T. Brown) R.K.G. (7-21-63)

Record by Joe W. Long (2-12-46) Source of data FILES Date 2-20-68 Map Settegast 1955 1:24000

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 45 51 N (deg, min, sec) Longitude: 095 22 10 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-14-707 Other number: WELL # C-18 B & M

Local use: Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: CENTRAL PLANT

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1945 -- Annual [A] Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 8-25-45 [A] Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-LOG TO 2495' U-42 [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2035 ft [2035] Meas. rept. Driller accuracy [3]

Depth cased: (first perf.) 884 ft [884] Casing type: STEEL; Diam. 24-12¾ in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: 6-45 [945] Pump intake setting: (1964) 350 ft [350]

Driller: LAYNE-TEXAS CO. (name), HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [T] Deep Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. [5] Trans. or meter no.

Descrip. MP STEEL CSG. & CONC. PUMP BASE 2± ft above below LSD. Alt. MP 39'

Alt. LSD: 25' [25] Accuracy: (source) TOPO 5' [3]

Water Level 20 MIN STATIC 151.35 ft above below MP; Ft above below LSD [149] Accuracy: MEAS. [A]

Date meas: 8-20-45 [845] Yield: 2660 gpm [2660] Method determined

Drawdown: 77 ft [77] Accuracy: USGS WP meas. Pumping period 96 hrs [96]

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10⁶ Temp. °F Date sampled

Taste, color, etc.

PL 228.18
151.35
76.83

Well No. LJ-65-14-707

Well No. LJ-65-14-707

Latitude-longitude 29 45 51 N 095 22 10
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS 03 (20–21) Section:

F (22) Drainage Basin: 51R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31) ✓

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: ✓ 223 ft 223 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

* Intervals Screened:

Depth to consolidated rock: ft (60–62) Source of data: (64)

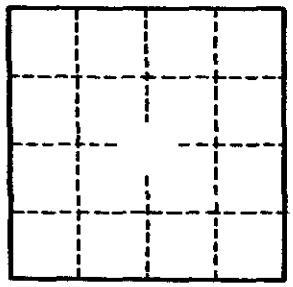
Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: ✓ gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: ✓ gpd/ft^2; Spec cap: ✓ gpm/ft; Number of geologic cards: (79)

10 MIN. STATIC = 152.84 PL 228.18 @ 2660 GPM
20 " " = 151.35
SPECIFIC CAPACITY (10 MIN. STATIC) = 35.0
" " (20 " ") = 34.0



* SCREENS:

884 – 903 – .021 ga. 633 – csg. of 24"
906 – 924 .021 536.2035' of 12 3/4"
1,125 – 1,137 .019
1,140 – 1,154 .018
1157 – 1175 .018
1205 – 1215 .022
1340 – 1251 .025
1253 – 1272 .025
1274 – 1292 .025
1295 – 1313 .025
1316 – 1324 .025
1345 – 1355 .022
1385 – 1397 .022
1400 – 1417 .022
1433 – 1453 .022
1593 – 1601 .022
1603 – 1618 .022
1858 – 1878 .021
1882 – 1901 .021
1904 – 1913 .021
1959 – 1968 .021
1970 – 1989 .021

Bott. 2034' 10"

Well No. LJ-65-14-707

GPO 857-700

(11-74)

Water Resources Division
Austin, Texas

U.1000.

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 45 51	095 22 10	01

County code 201 County Harris

Well LJ-65-14-707

Project number 5-4648-01000

Date 2-10-75 Time ____ Temp°C 29.0

Owner City of Houston

Address Central #18

Date drld 6-45 WBF code 121EVGV

Sample interval: (top) 884 (bottom) 1989

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arrival Depth 1328

Pt of coll faucet on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO_4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1)

Station identification number: 29 45 51 095 22 10 01 (2–16)

Y	M	D
75	02	10

(17 Begin 22)

Time of measurement: ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1328	04	
Yield (GPM)	00059			
Sample interval TOP	72015	884	03	
Sample interval BOTTOM	72016	1989	04	
Water				

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		
pH	00400	8000	01		8.0
Specific conductance	00095	7430	03		74
HCO_3	00440	3520	03		35
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6600	02	up 3	66
Sulfate (SO_4)	00945	1200	01		1.2
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

EX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017565

Latitude ° ' " 29 45 51 | Longitude ° ' " 095 22 10 | Seq. No. 01

County code 201 County Harris

Well # LJ-65-14-707

Project number 4648-01000

Date 2-11-76 Time — Temp°C 29.0

Owner City of Houston

Address Central C-18

Date drld — WBF code 121 EV6-L

Sample interval: (top) 884 (bottom) 1954

Water level — Appr clear Use PS

Collector Nattel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Ft of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

C form Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 29455109522101 (2–16)

Y M D: 76 02 11 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	8840	03	
Sample interval BOTTOM	72016	1989	04	

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		29.0
pH	00400	8000	01		8.0
Specific conductance	00095	7630	03		763.
HCO_3	00440	3600	03		360
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6800	02		68
Sulfate (SO_4)	00945	2800	01		2.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

1302

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020979

Latitude ° ' " 29 45 51 | Longitude ° ' " 095 22 10 | Seq. No. 01

County code 201 County HARRIS

Well # LJ-65-14-707

Project number 7-4648-01000

Date 2-10-77 Time — Temp°C 29.0

Owner CITY OF HOUSTON

Address CENTRAL C-18

Date drld — WBF code 121 Eval

Sample interval: (top) 884 (bottom) 1989

Water level — Appr CLEAR Use PS

Collector BUTLER Yield — GPM

Smpld aftr pmpg — Depth —

Pt of coll TAP ON DISCHARGE

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule

Other I

Herbicide — Insecticide —

Remarks:

Type 2 (1) Station identification number 29455095221001 (2–16)

Y M D (17 Begin 22)

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	8840	03	
Sample interval BOTTOM	72016	1989	04	
Water level	72019			

Sampled after pumping	Parameter code	Value	Exp.	Rmk	
	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		29.0
pH	00400	8000	01		8.0
Specific conductance	00095	7550	03		755
HCO_3	00440	3600	03		360
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6400	02		64
Sulfate (SO_4)	00945	1600	01		1.6
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

Austin, Texas

010079

Latitude (° ' ")	Longitude (° ' ")	Seq. No.
29 45 51	095 52 21	01

County code 101 County HARRIS

Well # LJ C5-14-707

Project number T4648-01000

Date 9-23-76 Time 0900 Temp°C 29.0

Owner CITY OF HOUSTON

Address CENTRAL #18

Date drld 6-45 WBF code EVGL

Sample interval: (top) 884 (bottom) 1989

Water level 410 Appr CLEAR Use PS

Collector BEZANT Yield 1622 GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON DISCHARGE TA

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1)

Station identification number (2–16): 29455109552101

Y M D: 76 09 23 (17 Begin 22)

Time of measurement (29–32):

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	8840	03	
Sample interval BOTTOM	72016	1989	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2900	02		29.0
pH	00400	7800	01		7.8
Specific conductance	00095	7430	03		743
HCO_3	00440	3520	03		352
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6400	02		64
Sulfate (SO_4)	00945	1600	01		1.6
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

1364

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-707

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514707
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.764445
Latitude (degrees minutes seconds)	29° 45' 52" N
Longitude (decimal degrees)	-95.369722
Longitude (degrees minutes seconds)	095° 22' 11" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	25
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2035
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1945
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	Natural-Gas Engine
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/3/1999
Last Update Date	2/3/1999

Remarks	223 ft of screen between 884 and 1989 ft. Measured yield 2660 gpm with 77 ft drawdown when drilled. Well C-18.

Casing - No Data

Well Tests - No Data

Lithology - No Data

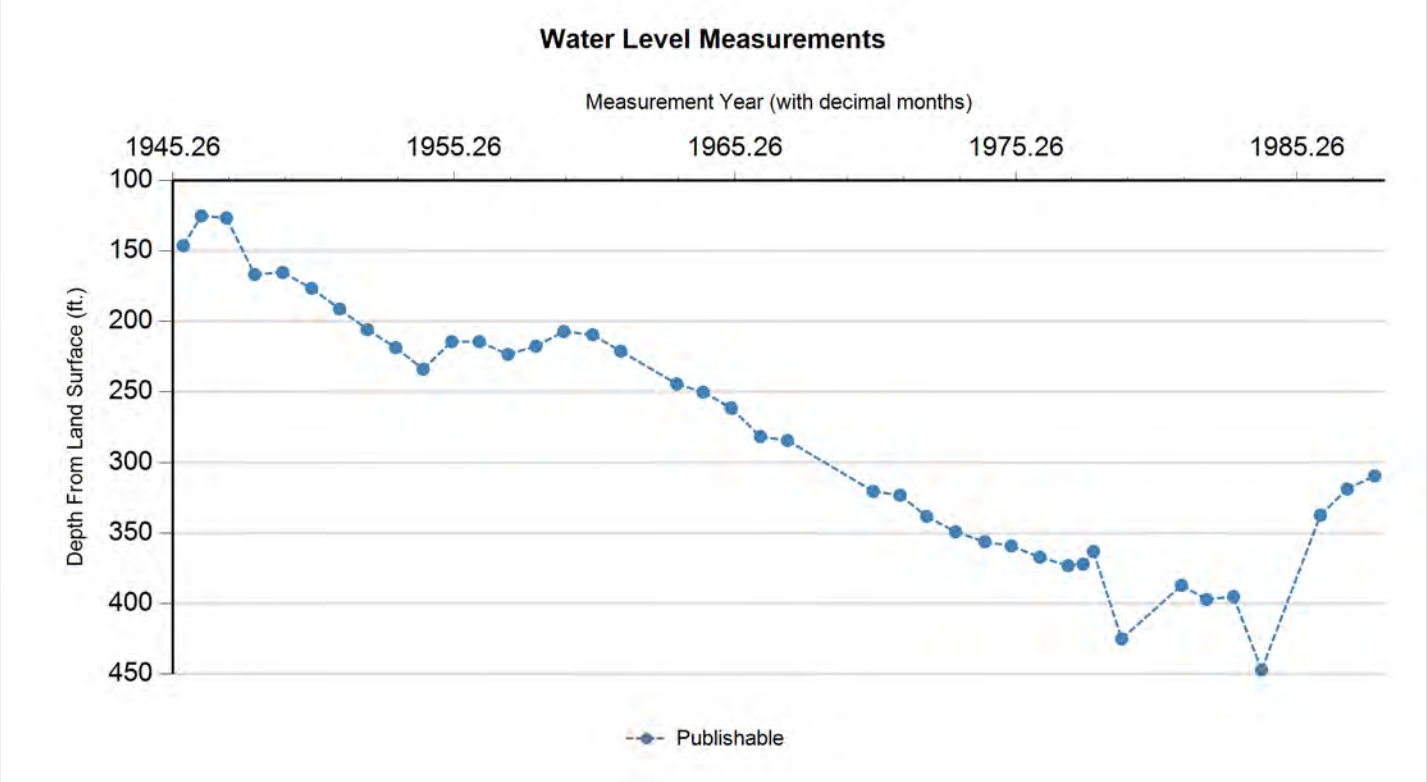
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/20/1945		146.4		-121.4	1	U.S. Geological Survey	Steel Tape		
P	4/12/1946		125.28	(21.12)	-100.28	1	U.S. Geological Survey	Steel Tape		
P	3/4/1947		126.71	1.43	-101.71	1	U.S. Geological Survey	Steel Tape		
P	3/4/1948		166.8	40.09	-141.8	1	U.S. Geological Survey	Steel Tape		
P	3/4/1949		165.36	(1.44)	-140.36	1	U.S. Geological Survey	Steel Tape		
P	3/14/1950		176.66	11.30	-151.66	1	U.S. Geological Survey	Steel Tape		
P	3/13/1951		191.3	14.64	-166.3	1	U.S. Geological Survey	Steel Tape		
P	3/7/1952		205.9	14.60	-180.9	1	U.S. Geological Survey	Steel Tape		
P	3/12/1953		218.73	12.83	-193.73	1	U.S. Geological Survey	Steel Tape		
P	3/3/1954		234.07	15.34	-209.07	1	U.S. Geological Survey	Steel Tape		
P	3/9/1955		214.46	(19.61)	-189.46	1	U.S. Geological Survey	Steel Tape		
P	3/2/1956		214.5	0.04	-189.5	1	U.S. Geological Survey	Steel Tape		
P	3/11/1957		223.5	9.00	-198.5	1	U.S. Geological Survey	Steel Tape		
P	3/7/1958		217.7	(5.80)	-192.7	1	U.S. Geological Survey	Steel Tape		
P	3/5/1959		207.28	(10.42)	-182.28	1	U.S. Geological Survey	Steel Tape		
P	3/14/1960		209.57	2.29	-184.57	1	U.S. Geological Survey	Steel Tape		
P	3/14/1961		221.2	11.63	-196.2	1	U.S. Geological Survey	Steel Tape		
P	3/12/1963		244.5	23.30	-219.5	1	U.S. Geological Survey	Steel Tape		
P	2/20/1964		250.34	5.84	-225.34	1	U.S. Geological Survey	Steel Tape		
P	2/20/1965		261.35	11.01	-236.35	1	U.S. Geological Survey	Steel Tape		
P	3/3/1966		281.4	20.05	-256.4	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-707

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/20/1967		284.12	2.72	-259.12	1	U.S. Geological Survey	Steel Tape		
P	3/10/1970		320.3	36.18	-295.3	1	U.S. Geological Survey	Steel Tape		
P	2/22/1971		323	2.70	-298	1	U.S. Geological Survey	Air Line		
P	2/3/1972		338	15.00	-313	1	U.S. Geological Survey	Air Line		
P	2/15/1973		349	11.00	-324	1	U.S. Geological Survey	Air Line		
P	2/27/1974		356	7.00	-331	1	U.S. Geological Survey	Air Line		
P	2/6/1975		359	3.00	-334	1	U.S. Geological Survey	Air Line		
P	2/13/1976		367	8.00	-342	1	U.S. Geological Survey	Air Line		
P	2/16/1977		373	6.00	-348	1	U.S. Geological Survey	Air Line		
P	9/1/1977		372	(1.00)	-347	1	U.S. Geological Survey	Air Line		
P	1/9/1978		363	(9.00)	-338	1	U.S. Geological Survey	Air Line		
P	1/11/1979		425	62.00	-400	1	U.S. Geological Survey	Air Line		
P	1/0/1981		387	(38.00)	-362	1	Registered Water Well Driller	Unknown		
P	1/19/1982		397	10.00	-372	1	U.S. Geological Survey	Steel Tape		
P	1/4/1983		395	(2.00)	-370	1	U.S. Geological Survey	Air Line		
P	1/4/1984		447	52.00	-422	1	U.S. Geological Survey	Air Line		
P	2/7/1986		337.18	(109.82)	-312.18	1	U.S. Geological Survey	Steel Tape		
P	1/22/1987		318.58	(18.60)	-293.58	1	U.S. Geological Survey	Unknown		
P	1/12/1988		309.33	(9.25)	-284.33	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 6/25/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		292.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		357	mg/L	
00910	CALCIUM (MG/L)		11	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		72	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.05		
00955	SILICA, DISSOLVED (MG/L AS SI02)		19	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.31		
00932	SODIUM, CALCULATED, PERCENT		89	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		164	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		745	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		453	mg/L	

Water Quality Analysis

Sample Date: 7/5/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		250.82	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		306	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.8	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		48	mg/L	

Water Quality Analysis

Sample Date: 3/24/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		293.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		358	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		751	MICR	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		35	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		755	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		355	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		735	MICR	

Water Quality Analysis

Sample Date: 3/20/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		283.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		346	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		724	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		281.15	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		343	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		724	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		355	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		721	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/3/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		711	MICR	

Water Quality Analysis

Sample Date: 3/3/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		725	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/2/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		288.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		352	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		747	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/8/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		726	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/14/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		354	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		715	MICR	

Water Quality Analysis

Sample Date: 3/8/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		285.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		348	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		31	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		706	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/11/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		293.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		358	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		737	MICR	

Water Quality Analysis

Sample Date: 2/19/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		366	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		742	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/22/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		304.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		372	mg/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.35		
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		741	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/16/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		293.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		358	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		743	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/19/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		733	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/26/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		727	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/18/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		291.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		731	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/19/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		298.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		364	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		739	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/1/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		288.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		352	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		745	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/13/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		290.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		354	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		743	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/26/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		722	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/10/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		288.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		352	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		743	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/11/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		763	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		288.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		352	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		743	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/10/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		755	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-707

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		745	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514709 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294700 **Longitude** 952156 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Crescent Laundry

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1936 **Depth** 235 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1936
-59

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 182 to 206 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-709

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514709
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.783334
Latitude (degrees minutes seconds)	29° 47' 00" N
Longitude (decimal degrees)	-95.365556
Longitude (degrees minutes seconds)	095° 21' 56" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	235
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1936
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Crescent Laundry
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 182 to 206 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

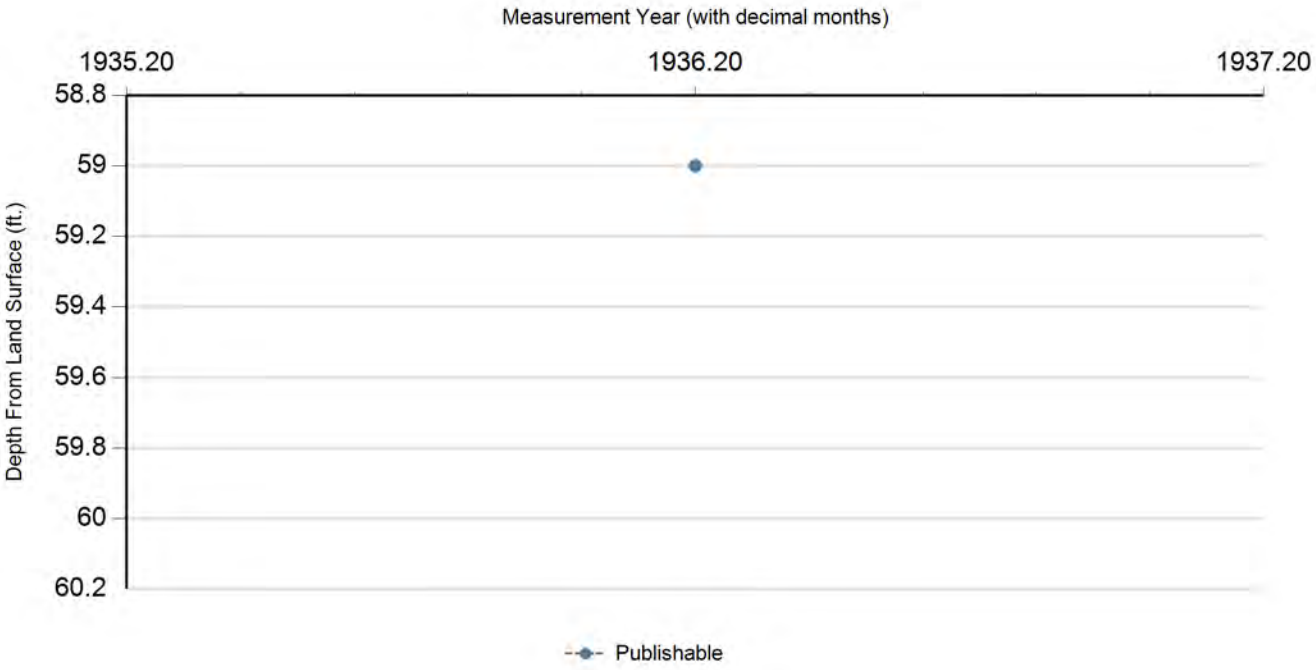
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-709

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/12/1936		59		-8	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-709

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514711 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294620 **Longitude** 952120 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Southern Pacific
Railroad, Well#3

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1937 **Depth** 932 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1937
-86

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 119 ft. of screen between 523 and 921 ft. Yield: 695 gpm with 90 ft. drawdown when drilled.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-711

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514711
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.772222
Latitude (degrees minutes seconds)	29° 46' 20" N
Longitude (decimal degrees)	-95.355556
Longitude (degrees minutes seconds)	095° 21' 20" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	932
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1937
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Southern Pacific Railroad, Well#3
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 119 ft. of screen between 523 and 921 ft. Yield: 695 gpm with 90 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

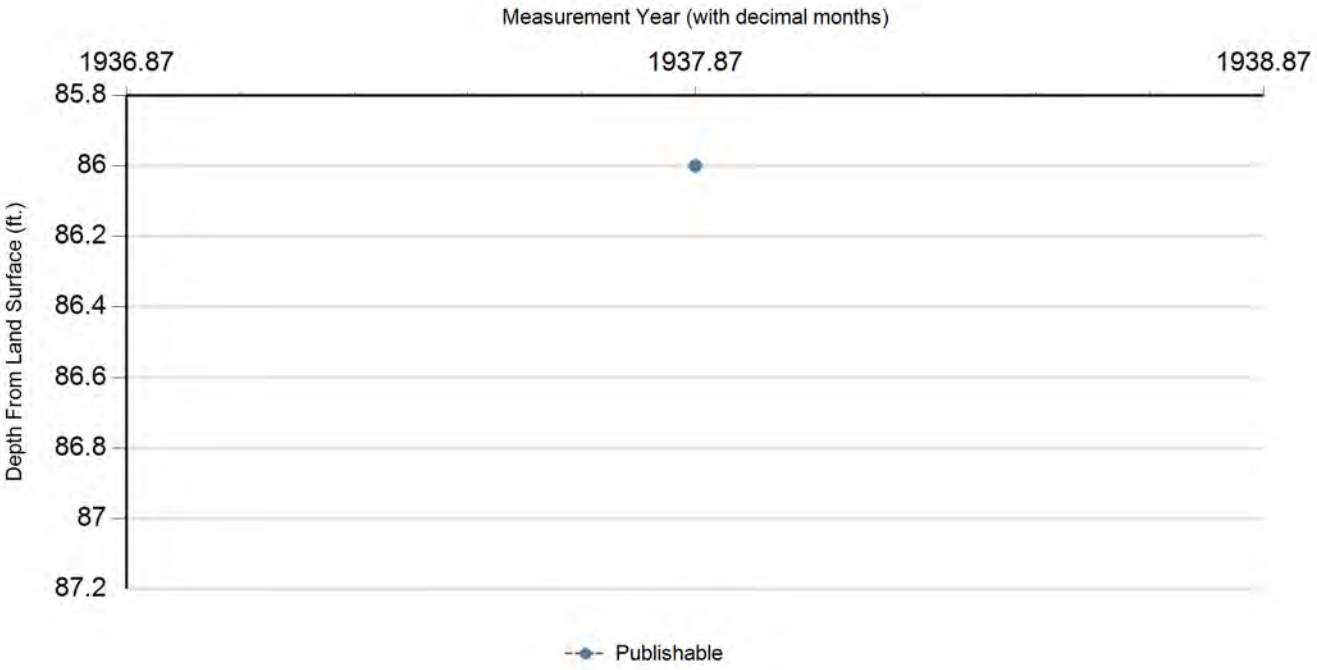
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/18/1937		86		-36	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514713 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294559 **Longitude** 952143 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Southland

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1941 **Depth** 354 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1941
-78

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
145 ft of screen between 166 and 351 ft. Formerly supplied ice plant.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-713

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514713
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.766389
Latitude (degrees minutes seconds)	29° 45' 59" N
Longitude (decimal degrees)	-95.361945
Longitude (degrees minutes seconds)	095° 21' 43" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	354
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Southland
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	145 ft of screen between 166 and 351 ft. Formerly supplied ice plant.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

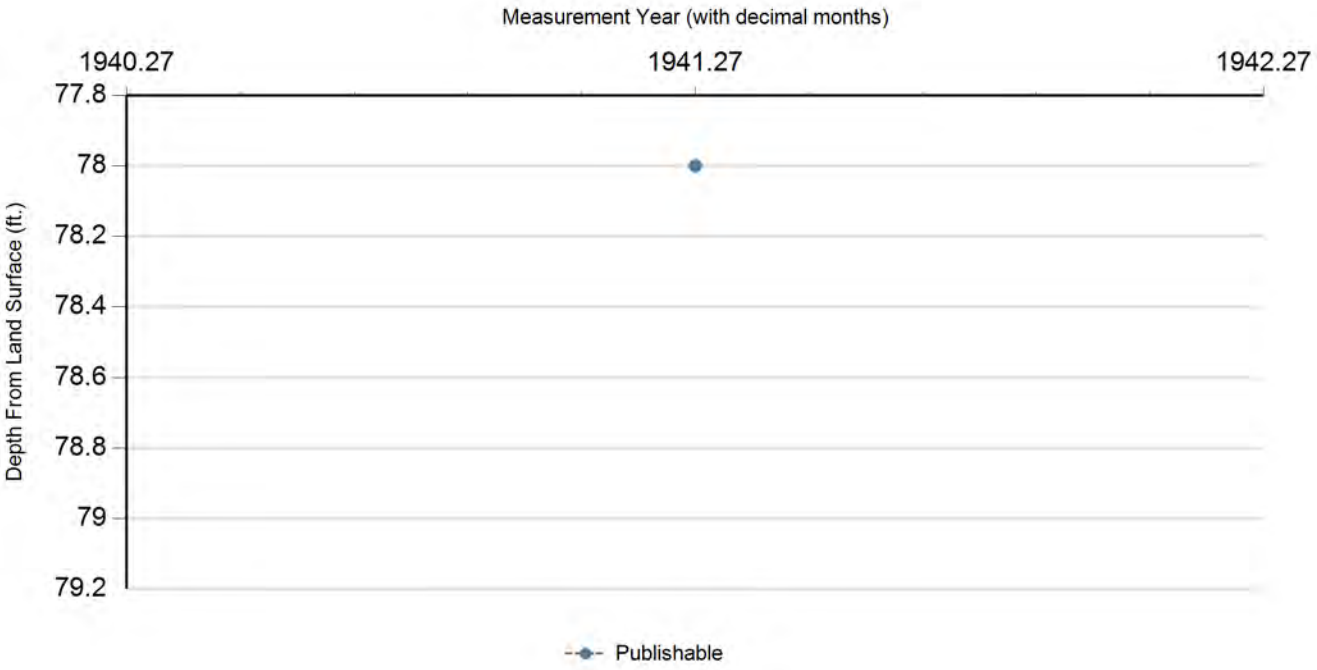
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/9/1941		78		-38	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-713

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		217.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		265	mg/L	
00910	CALCIUM (MG/L)		58	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		202	mg/L	
00920	MAGNESIUM (MG/L)		14	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.29		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.47		
00932	SODIUM, CALCULATED, PERCENT		34	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		48	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		317	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514714 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294553 **Longitude** 952110 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Houston Lighting
and Power Co

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1939 **Depth** 887 **Source of Depth** **Altitude** 37 **Source of Alt.**

Well Type W **User** 398000

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -** 75

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1939
-95

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
91 ft of screen between 747 and 873
ft. Reported yield 751 gpm with 63
ft drawdown when drilled.
Gable St.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-714

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514714
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.764723
Latitude (degrees minutes seconds)	29° 45' 53" N
Longitude (decimal degrees)	-95.352778
Longitude (degrees minutes seconds)	095° 21' 10" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	37
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	887
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Houston Lighting and Power Co
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	91 ft of screen between 747 and 873 ft. Reported yield 751 gpm with 63 ft drawdown when drilled. Gable St.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

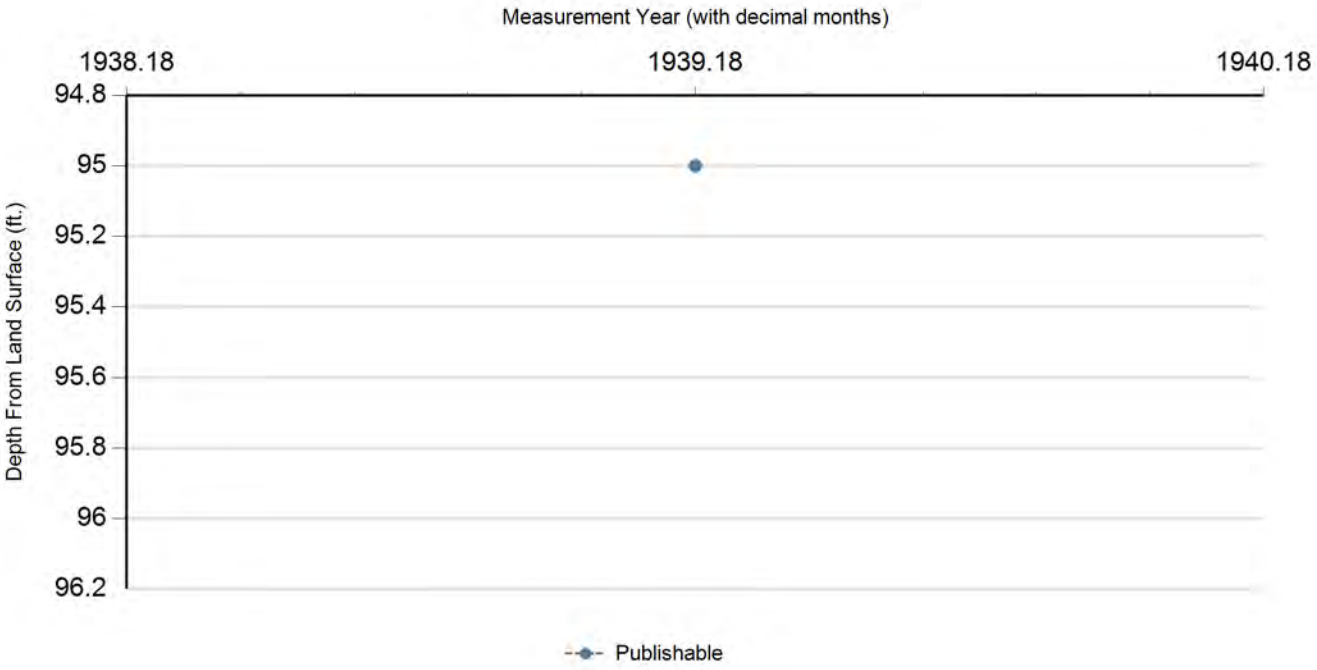
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/7/1939		95		-58	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 7/24/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		192.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		235	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		263	mg/L	

Water Quality Analysis

Sample Date: 5/23/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		124	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		258	mg/L	

Water Quality Analysis

Sample Date: 2/20/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		46	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		243	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		228	mg/L	
00910	CALCIUM (MG/L)		38	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		136	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.01		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.75		
00932	SODIUM, CALCULATED, PERCENT		42	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		47	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		246	mg/L	

Water Quality Analysis

Sample Date: 1/22/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	

Water Quality Analysis

Sample Date: 2/12/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		228	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		122	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		465	MICR	

Water Quality Analysis

Sample Date: 2/23/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		124	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		442	MICR	

Water Quality Analysis

Sample Date: 3/14/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		159.02	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		194	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		104	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		451	MICR	

Water Quality Analysis

Sample Date: 1/30/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		221	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		123	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		447	MICR	

Water Quality Analysis

Sample Date: 1/30/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		163.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		200	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		108	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		451	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		210	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		106	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		452	MICR	

Water Quality Analysis

Sample Date: 3/3/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		474	MICR	

Water Quality Analysis

Sample Date: 3/14/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200.76	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		245	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		497	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-714

Water Quality Analysis

Sample Date: 3/14/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		435	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514715 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294558 **Longitude** 952147 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Houston Ice and
Cold Storage

Driller
J.A. Walling

Address _____ **Tenant/Oper.** _____

Date Drilled / /1915 **Depth** 720 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1931
-52.3

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Original depth 745 ft. Well de-
stroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-715

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514715
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.766112
Latitude (degrees minutes seconds)	29° 45' 58" N
Longitude (decimal degrees)	-95.363056
Longitude (degrees minutes seconds)	095° 21' 47" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	720
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1915
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Houston Ice and Cold Storage
Driller	J.A. Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Original depth 745 ft. Well de- stroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

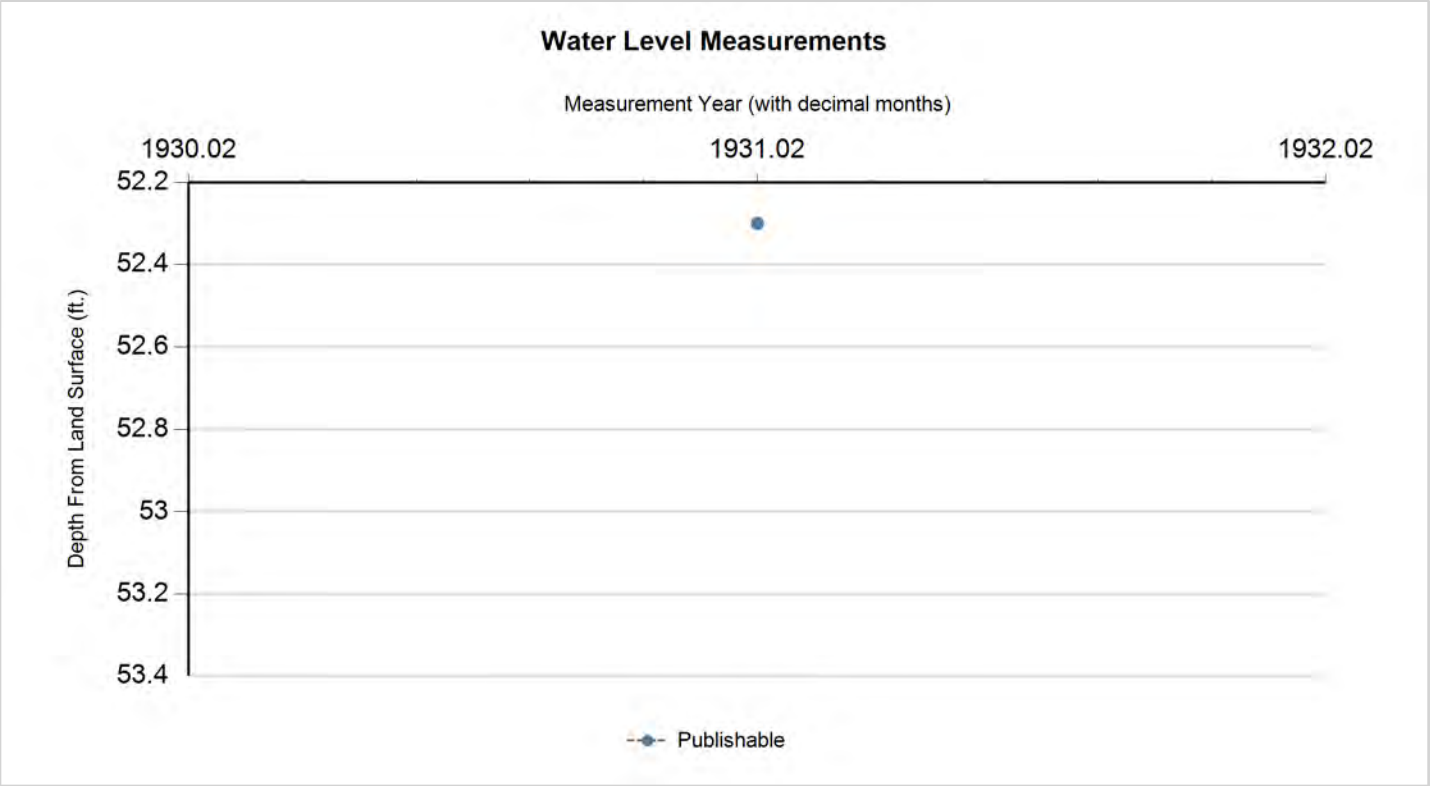
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/7/1931		52.3		-12.3	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/31/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		114	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		22	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		280	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		177.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		216	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		462	mg/L	

Water Quality Analysis

Sample Date: 5/23/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		138	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		46	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		168.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		206	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		112	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		54	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514716 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294623 **Longitude** 952139 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Sunshine Laundry

Driller
McMasters and
Pomeroy

Address _____ **Tenant/Oper.** _____

Date Drilled / /1929 **Depth** 602 **Source of Depth** **Altitude** 56 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material Blank

Screen Material Blank

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 562 to 602 ft. Well destroyed.

Aquifer - 112CEVG **ID -** 15

CHICOT AND EVANGELINE AQUIFERS

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-716

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514716
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.773055
Latitude (degrees minutes seconds)	29° 46' 23" N
Longitude (decimal degrees)	-95.360834
Longitude (degrees minutes seconds)	095° 21' 39" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	602
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1929
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Sunshine Laundry
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 562 to 602 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 1/31/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		183.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		224	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		189	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.3	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		48	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		314	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		227	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		195	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		44	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		310	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.6	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00910	CALCIUM (MG/L)		62	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		71	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		208	mg/L	
00920	MAGNESIUM (MG/L)		13	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.15		
00932	SODIUM, CALCULATED, PERCENT		28	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		38	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		301	mg/L	

Water Quality Analysis

Sample Date: 1/11/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00910	CALCIUM (MG/L)		36	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		102	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.46		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.44		
00932	SODIUM, CALCULATED, PERCENT		63	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		80	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		297	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514717 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294513 **Longitude** 952159 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Main Building Corp.

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1938 **Depth** 932 **Source of Depth** **Altitude** 49 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1938
-93

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 60 ft. of screen between 767 and 920 ft. Yield: 257 gpm with 23 ft. drawdown when drilled.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-717

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514717
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.753612
Latitude (degrees minutes seconds)	29° 45' 13" N
Longitude (decimal degrees)	-95.366389
Longitude (degrees minutes seconds)	095° 21' 59" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	932
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Main Building Corp.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 60 ft. of screen between 767 and 920 ft. Yield: 257 gpm with 23 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

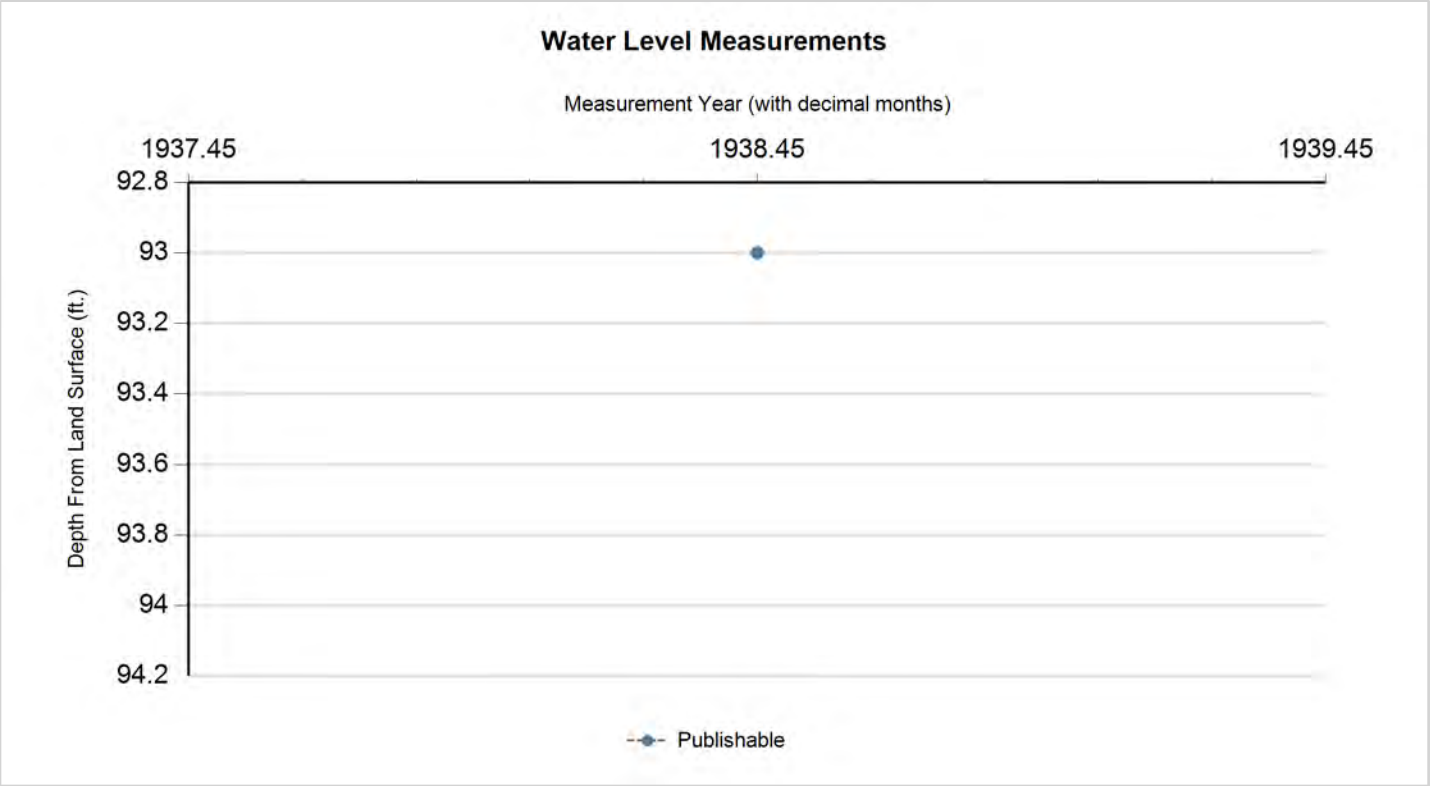
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/13/1938		93		-44	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-717

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514719 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294527 **Longitude** 952202 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Oil & Gas Building

Driller
Texas Water Supply Corp.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1939 **Depth** 986 **Source of Depth** **Altitude** 52 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** PUBLIC SUPPLY **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1939
-94

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 903 to 966 ft.
Yield: 200 gpm when drilled.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-719

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514719
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.757501
Latitude (degrees minutes seconds)	29° 45' 27" N
Longitude (decimal degrees)	-95.367222
Longitude (degrees minutes seconds)	095° 22' 02" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	986
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Other
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Oil & Gas Building
Driller	Texas Water Supply Corp.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	12/8/2015

Remarks	TWDB R178:Screen from 903 to 966 ft Yield: 200 gpm when drilled. Originally a public supply well, unknown use in 2015.

Casing - No Data

Well Tests - No Data

Lithology - No Data

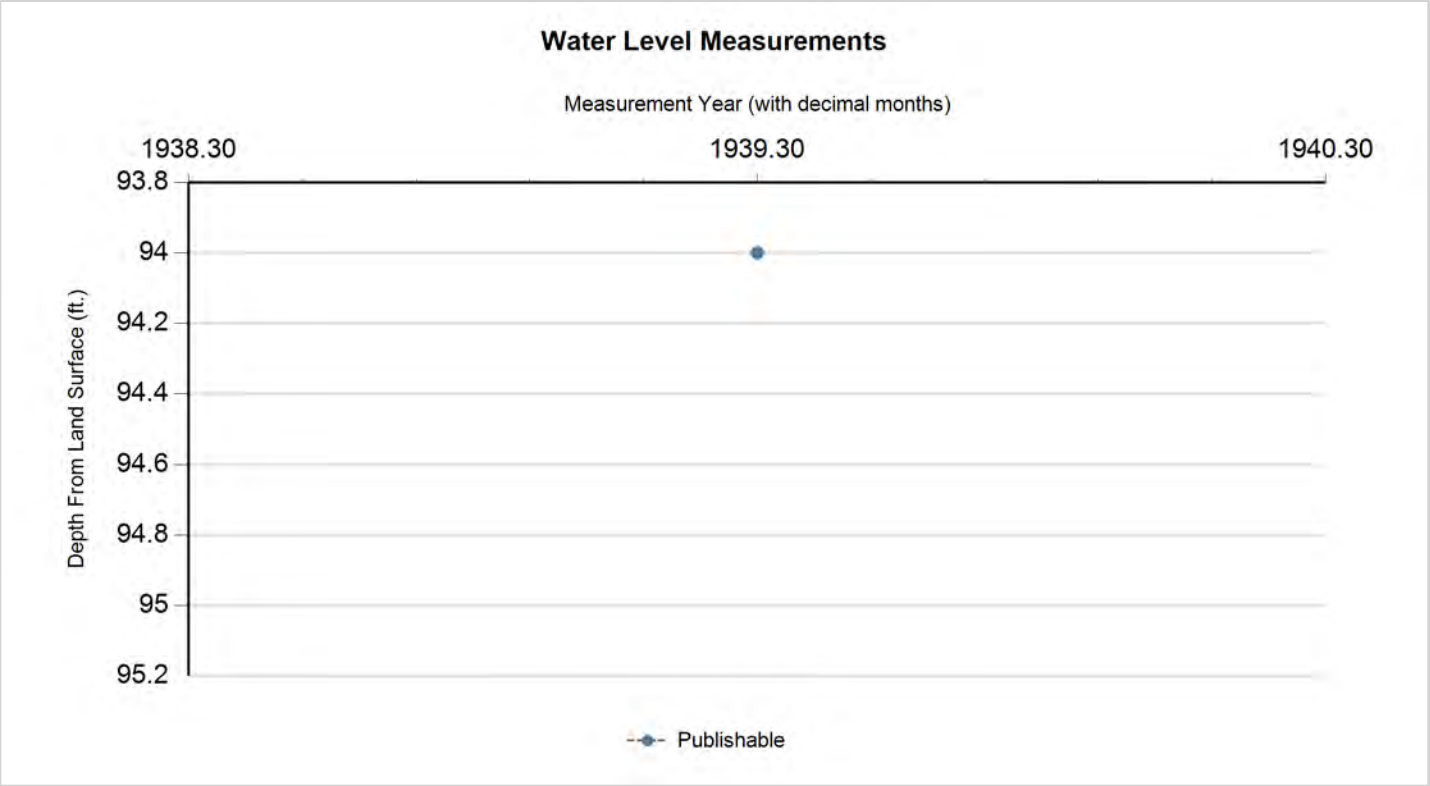
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/19/1939		94		-42	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514720 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294538 **Longitude** 952205 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Rice Hotel Laundry

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1936 **Depth** 1502 **Source of Depth** **Altitude** 52 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1936
-90

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
118 ft of screen between 1317 and
1456 ft. Reported yield 650 gpm
when drilled. Well destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-720

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514720
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.760556
Latitude (degrees minutes seconds)	29° 45' 38" N
Longitude (decimal degrees)	-95.368055
Longitude (degrees minutes seconds)	095° 22' 05" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1502
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1936
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Rice Hotel Laundry
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	118 ft of screen between 1317 and 1456 ft. Reported yield 650 gpm when drilled. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

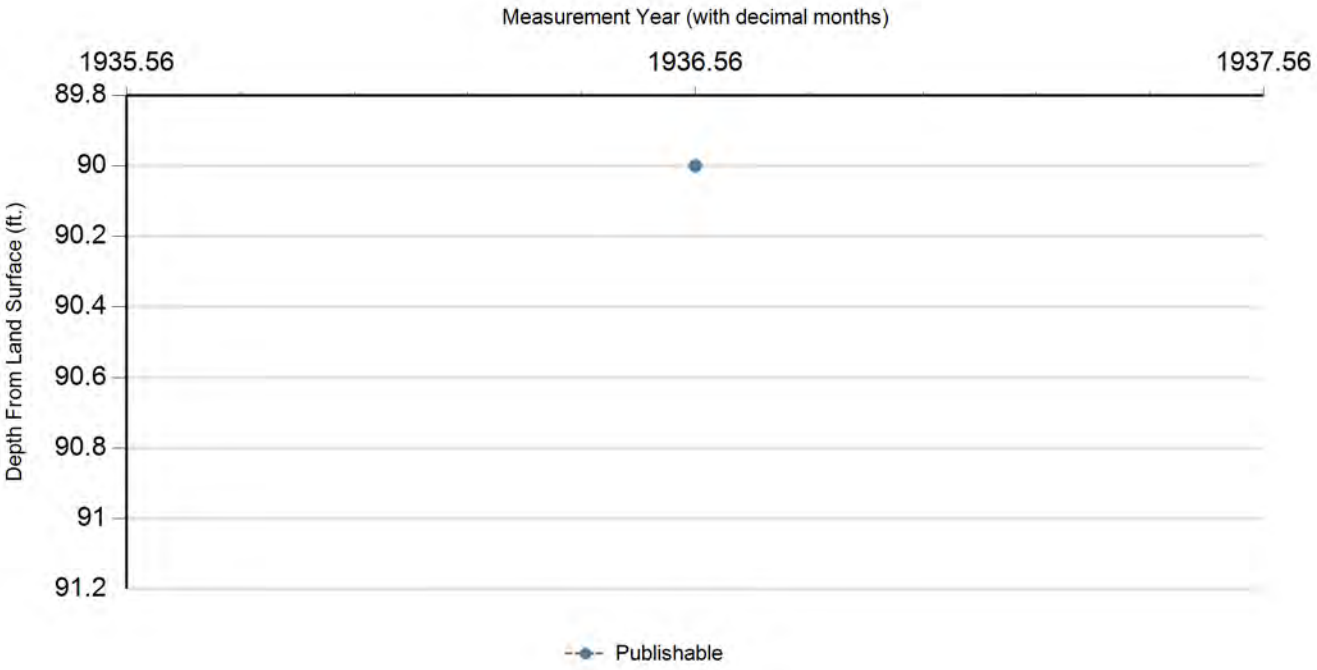
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/23/1936		90		-38	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		269.6	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		329	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		54	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		138	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	

Water Quality Analysis

Sample Date: 1/12/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		275.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		336	mg/L	
00910	CALCIUM (MG/L)		8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.77		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		10.67		
00932	SODIUM, CALCULATED, PERCENT		89	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		148	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		385	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		273.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		52	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		698	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	

Water Quality Analysis

Sample Date: 7/3/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	

Water Quality Analysis

Sample Date: 2/8/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		641	MICR	

Water Quality Analysis

Sample Date: 3/6/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		55	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		633	MICR	

Water Quality Analysis

Sample Date: 3/14/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		685	MICR	

Water Quality Analysis

Sample Date: 1/31/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		671	MICR	

Water Quality Analysis

Sample Date: 1/29/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		335	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		675	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		667	MICR	

Water Quality Analysis

Sample Date: 3/8/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		61	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		681	MICR	

Water Quality Analysis

Sample Date: 2/9/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		321	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		57	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		681	MICR	

Water Quality Analysis

Sample Date: 2/27/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		645	MICR	

Water Quality Analysis

Sample Date: 3/17/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		683	MICR	

Water Quality Analysis

Sample Date: 4/21/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		679	MICR	

Water Quality Analysis

Sample Date: 3/16/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		266.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		325	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		17	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		671	MICR	

Water Quality Analysis

Sample Date: 4/20/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		679	MICR	

Water Quality Analysis

Sample Date: 8/23/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		200	ug/L	
00910	CALCIUM (MG/L)		12	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.9	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.5	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.41		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		8.94		
00932	SODIUM, CALCULATED, PERCENT		86	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		140	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		671	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		393	mg/L	

Water Quality Analysis

Sample Date: 3/2/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		671	MICR	

Water Quality Analysis

Sample Date: 3/26/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		273.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		672	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514721 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294520 **Longitude** 952150 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Commerce Building

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1939 **Depth** 900 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** PUBLIC SUPPLY **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1939
-118

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 96 ft. of screen
between 752 and 882 ft.
Yeild: 800 gpm when drilled.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

County Harris Lat. 29°45'27" Long. 95°21'53"

Date Mar. 9, 1956 Well No. LJ-65-14-721

Aquifer Gulf Coast sands Pre-Test Water Level 200.8

Discharge 294 Specific Capacity

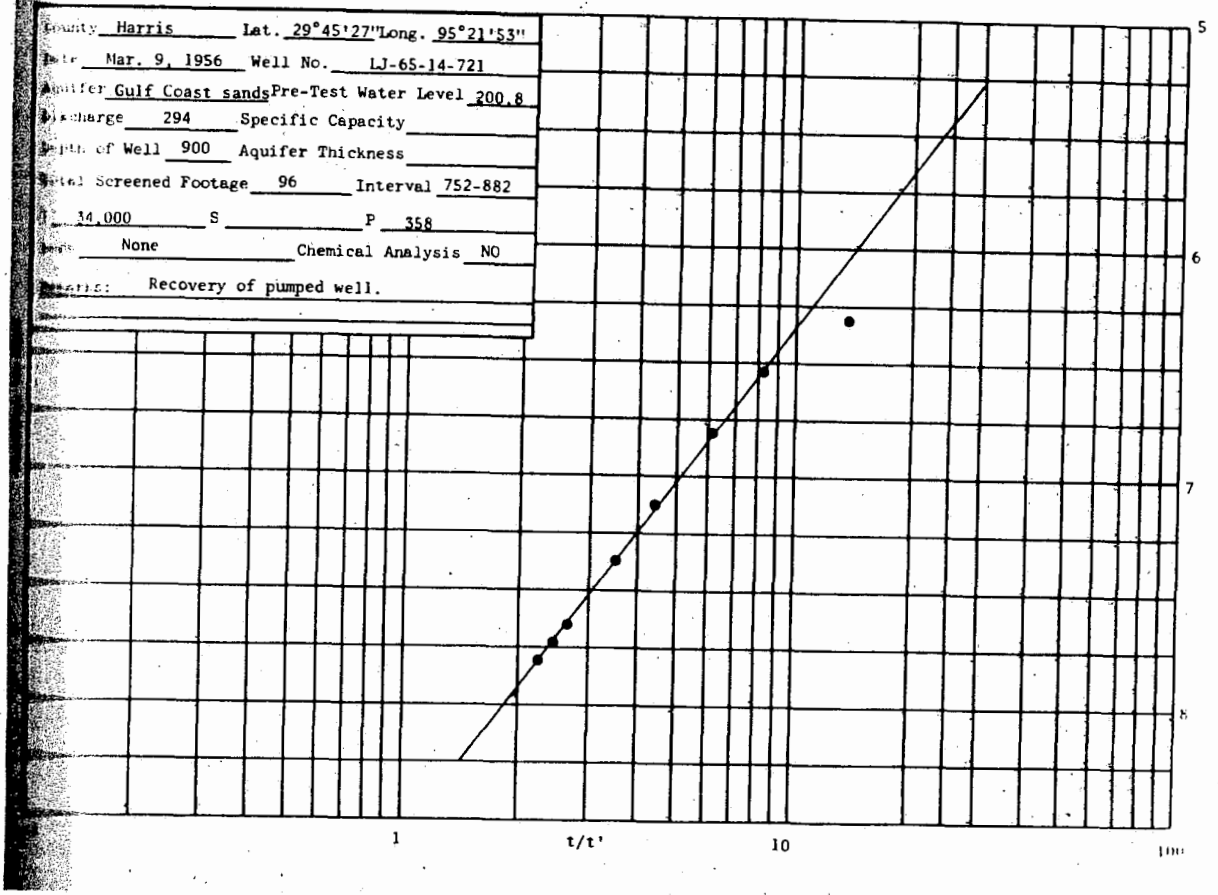
Depth of Well 900 Aquifer Thickness

Total Screened Footage 96 Interval 752-882

T 34,000 S P 358

Type None Chemical Analysis NO

Remarks: Recovery of pumped well.



Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-721

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514721
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.755556
Latitude (degrees minutes seconds)	29° 45' 20" N
Longitude (decimal degrees)	-95.363889
Longitude (degrees minutes seconds)	095° 21' 50" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	900
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Other
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Commerce Building
Driller	Layne Texas Co.
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	12/8/2015

Remarks	Reported yield 294 GPM on March 9, 1956. Screened 96 feet between 752 and 882 feet. Aquifer test result in TWDB R-98. Originally a public supply well, unknown well use in 2015.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

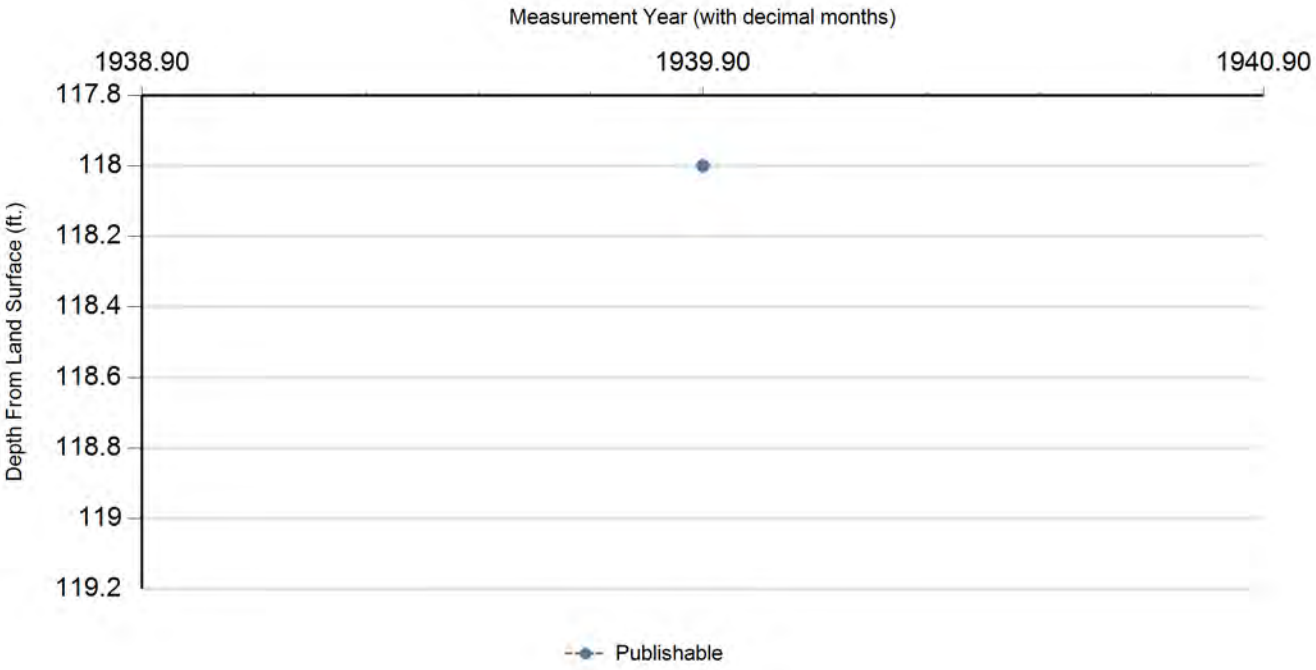
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-721

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/0/1939		118		-67	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514725 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294548 **Longitude** 952156 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Model Laundry

Driller
Southern Engine and
Pump co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1909 **Depth** 1875 **Source of Depth** **Altitude** 45 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1941
-102.2

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 1625 to 1875 ft. Flowed until 1920. Well destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-725

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514725
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763334
Latitude (degrees minutes seconds)	29° 45' 48" N
Longitude (decimal degrees)	-95.365556
Longitude (degrees minutes seconds)	095° 21' 56" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1875
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1909
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Model Laundry
Driller	Southern Engine and Pump co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 1625 to 1875 ft. Flowed until 1920. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

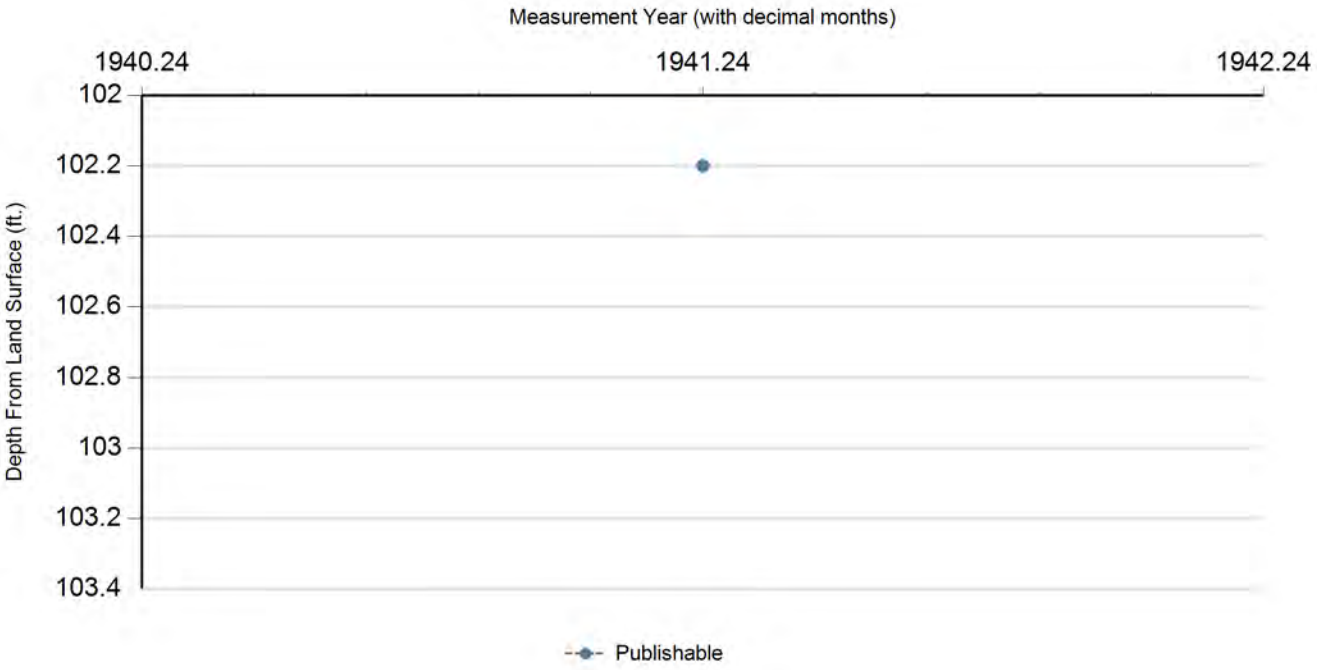
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/29/1941		102.2		-57.2	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		133	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		345	mg/L	

Water Quality Analysis

Sample Date: 1/12/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		280.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00910	CALCIUM (MG/L)		16	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		63	mg/L	
00920	MAGNESIUM (MG/L)		6	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.31		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.09		
00932	SODIUM, CALCULATED, PERCENT		81	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		131	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		369	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		312	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		69	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		681	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	

Water Quality Analysis

Sample Date: 7/3/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-725

Water Quality Analysis

Sample Date: 2/8/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		194.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		237	mg/L	
00910	CALCIUM (MG/L)		35	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00920	MAGNESIUM (MG/L)		9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.39		
00955	SILICA, DISSOLVED (MG/L AS SI02)		28	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.18		
00932	SODIUM, CALCULATED, PERCENT		49	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		463	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		286	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514726 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294559 **Longitude** 952144 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Houston Ice and Cold Storage Co.

Driller
J.A. Walling

Address _____ **Tenant/Oper.** _____

Date Drilled / /1915 **Depth** 825 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Well destoyed.

Aquifer - 112CEVG **ID -** 15

CHICOT AND EVANGELINE AQUIFERS

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-726

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514726
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.766389
Latitude (degrees minutes seconds)	29° 45' 59" N
Longitude (decimal degrees)	-95.362223
Longitude (degrees minutes seconds)	095° 21' 44" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	825
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1915
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Houston Ice and Cold Storage Co.
Driller	J.A. Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Well destoyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 1/31/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		189	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.1	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		51	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		242	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		173.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		212	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		52	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		247	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-726

Water Quality Analysis

Sample Date: 5/23/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		163.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		200	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		111	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		50	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		232	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514727 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294728 **Longitude** 952005 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
City of Houston
Northeast

Driller
McMasters and
Pomeroy

Address _____ **Tenant/Oper.** _____

Date Drilled / /1931 **Depth** 1876 **Source of Depth** **Altitude** 49 **Source of Alt.**

Well Type W **User** 396200

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -** AC

WATER LEVELS 2 measurements
1932 to 1962
MIN -241 MAX -15

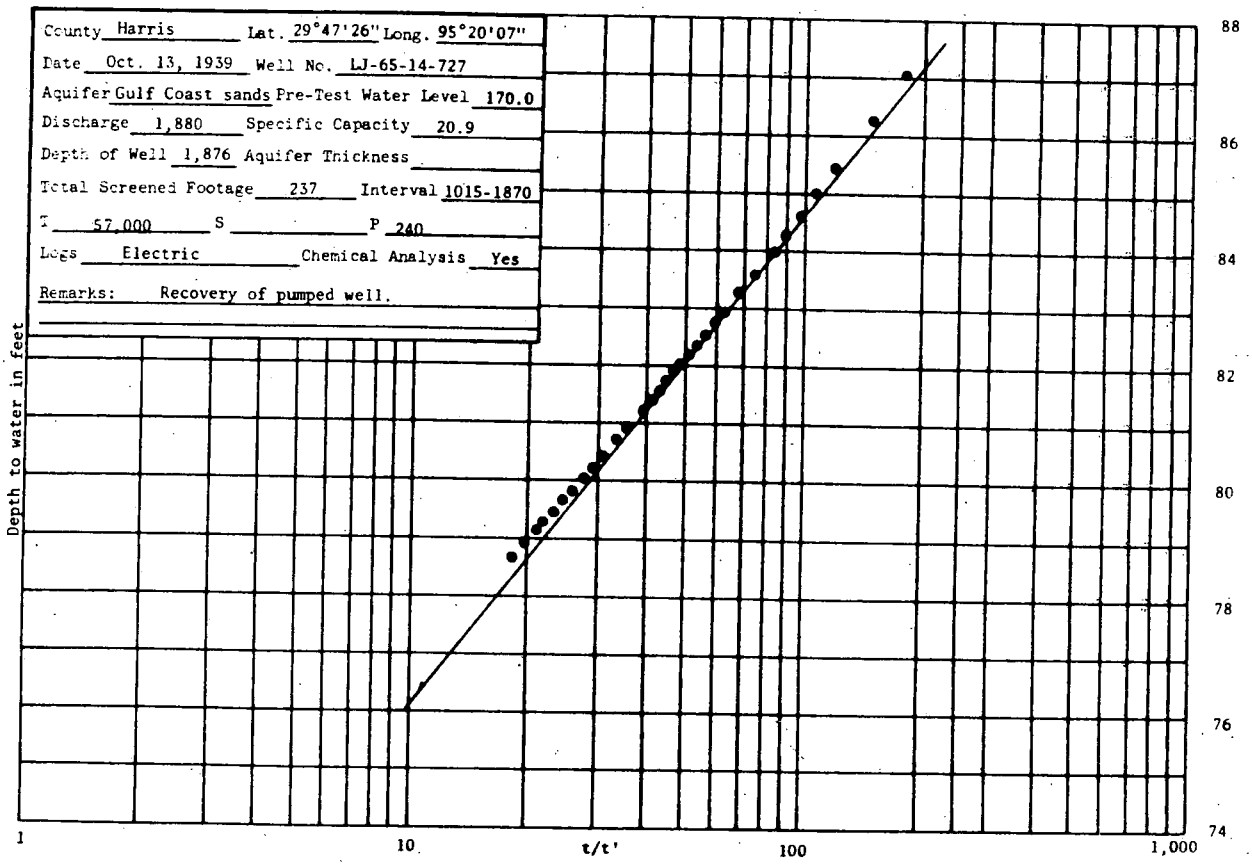
Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
235 ft of screen between 1015 and 1870 ft. Yield 2260 gpm in Jan. 1942. Reported flowed when drilled . Well 1. Aquifer test data in TWDB R-98.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER


County Harris Lat. 29°47'26" Long. 95°20'07"
Date Oct. 13, 1939 Well No. LJ-65-14-727
Aquifer Gulf Coast sands Pre-Test Water Level 170.0
Discharge 1,880 Specific Capacity 20.9
Depth of Well 1,876 Aquifer Thickness
Total Screened Footage 237 Interval 1015-1870
T 57,000 S P 240
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
88
86
84
82
80
78
76
74
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-727

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514727
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791111
Latitude (degrees minutes seconds)	29° 47' 28" N
Longitude (decimal degrees)	-95.334722
Longitude (degrees minutes seconds)	095° 20' 05" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1876
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1931
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Northeast
Driller	McMasters and Pomeroy
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	7/14/2010
Last Update Date	7/14/2010

Remarks	Screened for 235 feet between 1015 and 1870 feet. Reported yield 1880 GPM in 1939. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

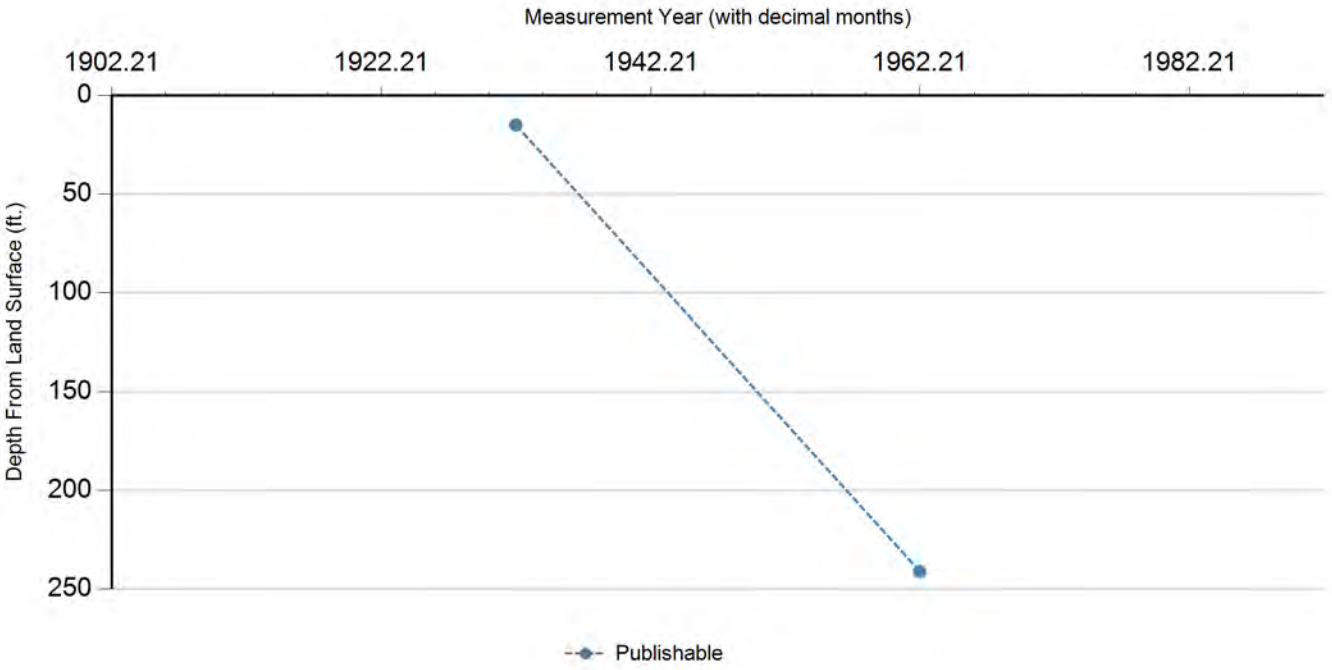
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/12/1932		15		34	1	Texas Water Development Board	Steel Tape		
P	3/9/1962		241	226.00	-192	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 8/22/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		311.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		380	mg/L	
00910	CALCIUM (MG/L)		4	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		90	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		18	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2000	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.86		
00955	SILICA, DISSOLVED (MG/L AS SI02)		8	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		19.78		
00932	SODIUM, CALCULATED, PERCENT		95	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		194	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		487	mg/L	

Water Quality Analysis

Sample Date: 4/11/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		290.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		354	mg/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		77	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		47	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		5.9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.05		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.75		
00932	SODIUM, CALCULATED, PERCENT		88	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		165	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		884	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		455	mg/L	

Water Quality Analysis

Sample Date: 2/26/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		80	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		311.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		380	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		92	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		24	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		869	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-727

Water Quality Analysis

Sample Date: 3/21/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		304.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		372	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		90	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		837	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514728 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294539 **Longitude** 952147 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Rice Hotel

Driller
Layne Bowler

Address _____ **Tenant/Oper.** _____

Date Drilled / /1913 **Depth** 1395 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material Blank

Screen Material Blank

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 1303 to 1383 ft. Well destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-728

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514728
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.760834
Latitude (degrees minutes seconds)	29° 45' 39" N
Longitude (decimal degrees)	-95.363056
Longitude (degrees minutes seconds)	095° 21' 47" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1395
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1913
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Rice Hotel
Driller	Layne Bowler
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 1303 to 1383 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 2/4/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-728

Water Quality Analysis

Sample Date: 2/6/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		274.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		335	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.1	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		144	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	

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Texas Water Development Board
Well Schedule

State Well Number 6514729 **Previous Well Number** . **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294540 **Longitude** 952146 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Rice Hotel

Driller
J.A. Walling

Address _____ **Tenant/Oper.** _____

Date Drilled / /1926 **Depth** 896 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Well abandoned in 1952.

Aquifer - 112CEVG **ID -** 15

CHICOT AND EVANGELINE AQUIFERS

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-729

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514729
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.761112
Latitude (degrees minutes seconds)	29° 45' 40" N
Longitude (decimal degrees)	-95.362778
Longitude (degrees minutes seconds)	095° 21' 46" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	896
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1926
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Rice Hotel
Driller	J.A. Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Well abandoned in 1952.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 5/23/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		187.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		229	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		135	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		52	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		263	mg/L	

Water Quality Analysis

Sample Date: 2/17/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		129	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		58	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		269	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		177.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		216	mg/L	
00910	CALCIUM (MG/L)		36	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		131	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.92		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.94		
00932	SODIUM, CALCULATED, PERCENT		45	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		51	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		252	mg/L	

Water Quality Analysis

Sample Date: 1/15/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.01	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		227	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	

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Texas Water Development Board
Well Schedule

State Well Number 6514730 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294519 **Longitude** 952051 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Missouri Pacific
Lines

Driller
Layne Bowler co

Address _____ **Tenant/Oper.** _____

Date Drilled / /1907 **Depth** 1390 **Source of Depth** **Altitude** 46 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
100 ft of screen between 1270 and
1390 ft. Well destroyed

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-730

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514730
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.755278
Latitude (degrees minutes seconds)	29° 45' 19" N
Longitude (decimal degrees)	-95.3475
Longitude (degrees minutes seconds)	095° 20' 51" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	46
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1390
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1907
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Missouri Pacific Lines
Driller	Layne Bowler co
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	100 ft of screen between 1270 and 1390 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 1/28/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	

Water Quality Analysis

Sample Date: 2/6/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		333	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		143	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		361	mg/L	

Water Quality Analysis

Sample Date: 8/9/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		273.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		142	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		359	mg/L	

Water Quality Analysis

Sample Date: 5/27/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		137	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		352	mg/L	

Water Quality Analysis

Sample Date: 2/20/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		280.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		141	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		365	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		273.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		334	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		137	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		356	mg/L	

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		299	mg/L	
00910	CALCIUM (MG/L)		14	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		47	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.95		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.66		
00932	SODIUM, CALCULATED, PERCENT		84	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		121	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		330	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		266.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		325	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514732 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294603 **Longitude** 952009 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
National Vinegar Co

Driller
Hildebrandt Well Srv

Address _____ **Tenant/Oper.** _____

Date Drilled / /1968 **Depth** 506 **Source of Depth** D **Altitude** 50 **Source of Alt.** M

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1968
-200

Recorded By _____ **Date Record Collected or Updated -** 12/ /1988

Reporting Agency 02

REMARKS -

Aquifer - 112CHCT **ID -** 15

CHICOT
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-732

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514732
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7675
Latitude (degrees minutes seconds)	29° 46' 03" N
Longitude (decimal degrees)	-95.335834
Longitude (degrees minutes seconds)	095° 20' 09" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	506
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1968
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	National Vinegar Co
Driller	Hildebrandt Well Srv
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	6/2/1999
Last Update Date	6/2/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

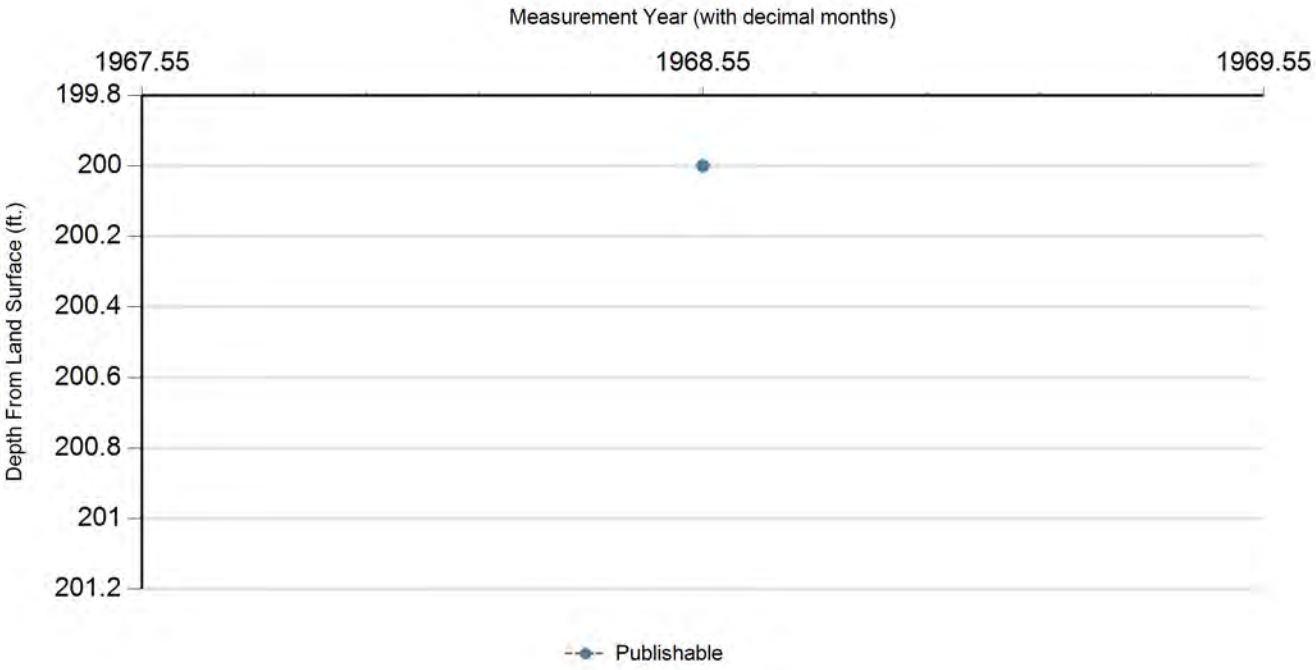
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-732

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/20/1968		200		-150	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-732

groundwater division

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514733 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294617 **Longitude** 952136 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Missouri, Kansas and
Texas Railroad

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1910 **Depth** 1638 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 2 measurements
1931 to 1939
MIN -59.1 MAX -51.3

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Well destroyed.

Aquifer - 112CEVG **ID -** 15

CHICOT AND EVANGELINE AQUIFERS

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-733

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514733
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.771389
Latitude (degrees minutes seconds)	29° 46' 17" N
Longitude (decimal degrees)	-95.360001
Longitude (degrees minutes seconds)	095° 21' 36" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1638
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1910
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Missouri, Kansas and Texas Railroad
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

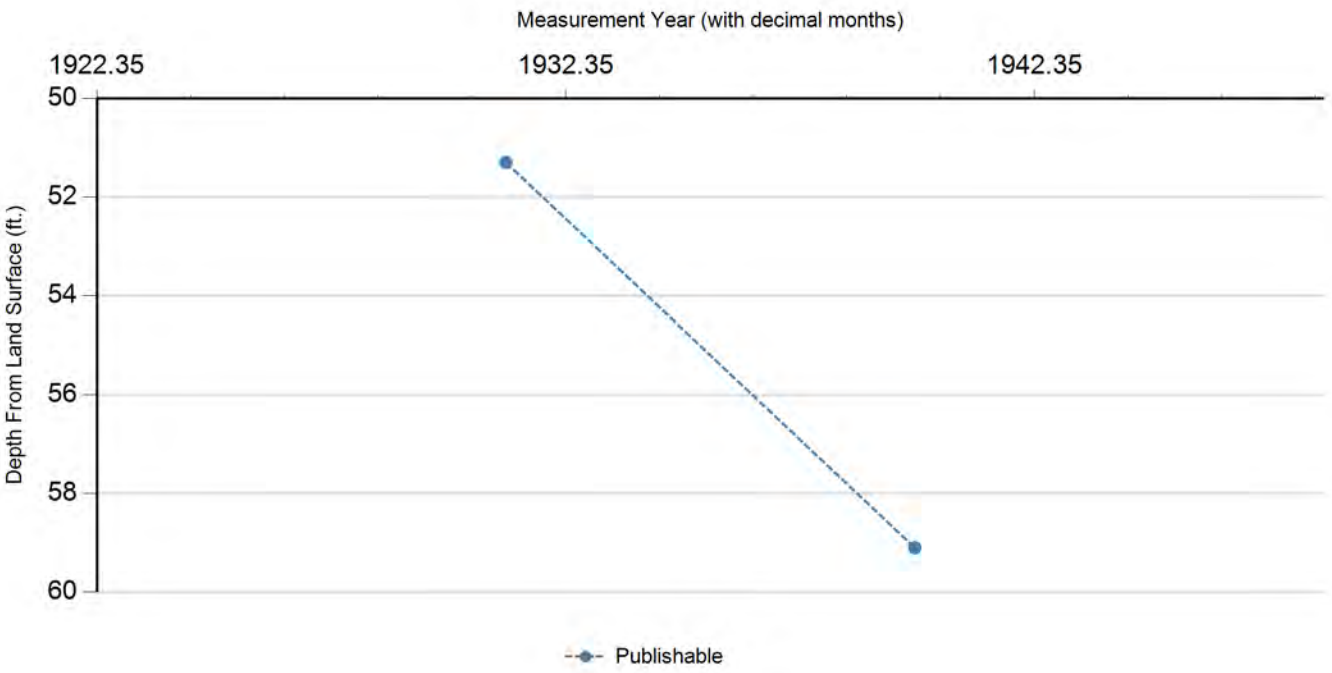
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/29/1931		51.3		-1.3	1	Texas Water Development Board	Steel Tape		
P	10/24/1939		59.1	7.80	-9.1	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 4/20/1918 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00910	CALCIUM (MG/L)		13	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		79	mg/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		12.13		
00932	SODIUM, CALCULATED, PERCENT		89	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		195	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	

Water Quality Analysis

Sample Date: 10/6/1923 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		378.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		462	mg/L	
00910	CALCIUM (MG/L)		69	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		232	mg/L	
00920	MAGNESIUM (MG/L)		21	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.4		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.2		
00932	SODIUM, CALCULATED, PERCENT		65	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		229	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		37	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		815	mg/L	

Water Quality Analysis

Sample Date: 12/14/1923 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		358.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		437	mg/L	
00910	CALCIUM (MG/L)		56	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		188	mg/L	
00920	MAGNESIUM (MG/L)		15	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.13		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.74		
00932	SODIUM, CALCULATED, PERCENT		70	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		220	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		43	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		736	mg/L	

Water Quality Analysis

Sample Date: 2/22/1924 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		362.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		442	mg/L	
00910	CALCIUM (MG/L)		70	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		182	mg/L	
00920	MAGNESIUM (MG/L)		18	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.27		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		5.63		
00932	SODIUM, CALCULATED, PERCENT		64	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		204	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		61	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		752	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514734 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294603 **Longitude** 952009 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
National Vinegar co

Driller
Hildebrandt Well

Address _____ **Tenant/Oper.** _____

Date Drilled / /1968 **Depth** 506 **Source of Depth** D **Altitude** 50 **Source of Alt.** M

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1968
-200

Recorded By _____ **Date Record Collected or Updated -** 12/ /1988

Reporting Agency 02

REMARKS -

Aquifer - 112CHCT **ID -** 15

CHICOT
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-734

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514734
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7675
Latitude (degrees minutes seconds)	29° 46' 03" N
Longitude (decimal degrees)	-95.335834
Longitude (degrees minutes seconds)	095° 20' 09" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	506
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1968
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	National Vinegar co
Driller	Hildebrandt Well
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	6/2/1999
Last Update Date	6/2/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

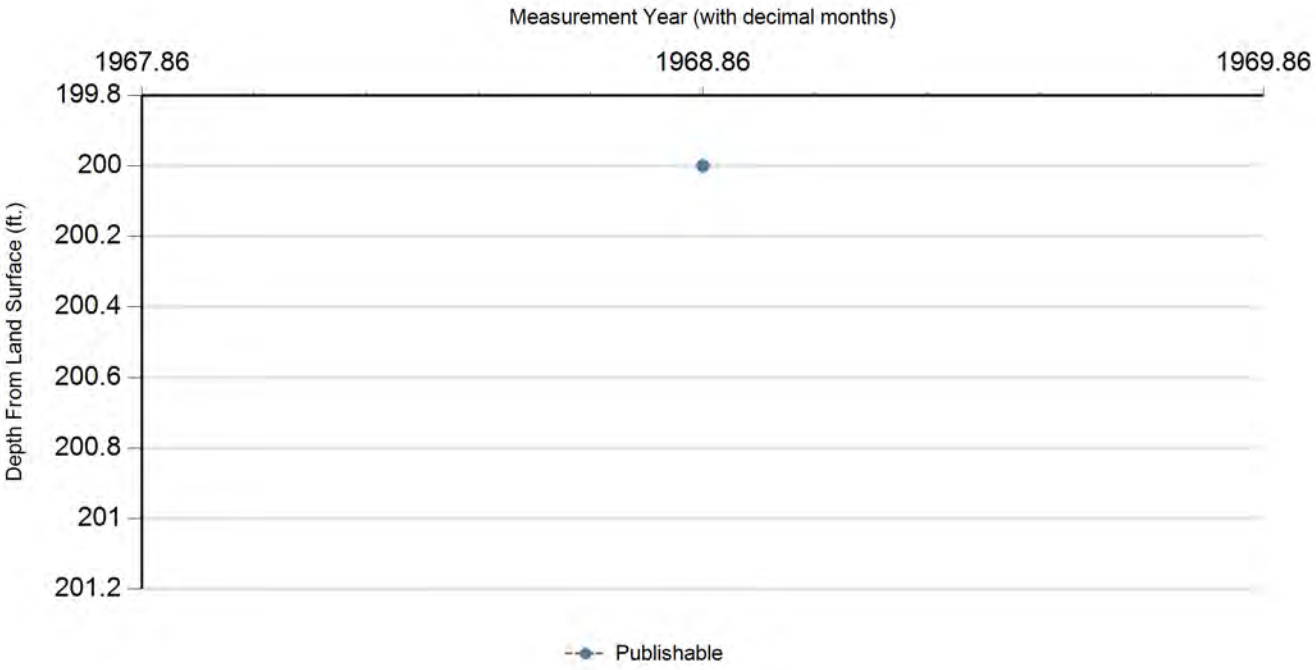
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/15/1968		200		-150	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-735

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by RS SOWERSHEIN Source of data DRILLER'S LOG Date 2-11-80 Map SETTEGAST, TX 1967 1:24,000

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 47 28 N/S Longitude: 095 20 01 Sequential number: 2

Lat-long accuracy: 1 T ____ S, R ____ W, Sec ____, ¼, ¼, ¼ ____

Local well number: LJ-65-14-735 Other number: B & H NORTHEAST NO. 2

Local use: ____ Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

Owner or name: HGCSD Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [5]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [4]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [Φ]

DATA AVAILABLE: Well data [Z] Freq. W/L meas.: MONTHLY [M] Field aquifer char. [T]

Hyd. lab. data: [ ]

Qual. water data; type: partial [P]

Freq. sampling: ORIGINAL [Φ] Pumpage inventory: yes (no) period: [ ]

Aperture cards: yes [ ]

Log data: DRILLER'S log [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1596 ft 1596 Meas. rept [3]

Depth cased; (first perf.) 1567 ft 1567 Casing type: steel ; Diam. 4½-2½ in accuracy [9]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [5]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: FEB 1980 980 Pump intake setting: NONE ft [ ]

Driller: O'DAY DRLG CO. name, PEARLAND, TX address

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] Deep [ ] Shallow [ ]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. ____ [ ] Trans. or meter no. ____

Descrip. MP top of casing +2.0 ft above/below LSD, Alt. MP ____

Alt. LSD: 49 49 Accuracy: (source) 5' TOPO [3]

Water Level 397.55 ft above/below MP; Ft above/below LSD 398 Accuracy: steel tape [A]

Date meas: 4-24-80 480 Yield: 15 gpm 15 Method determined [ ]

Drawdown: ____ ft [ ] Accuracy: ____ [ ] Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] Sulfate 81.4 ppm 8.8 [9] Chloride ____ ppm [ ] HCO_3 Hard. 390 ppm [7]

Sp. Conduct 980 K x 10^6 [4] Temp. 77.5 °F 78 Date sampled 2-8-80 280

Taste, color, etc. ____

Well No.

Well No. LT-65-14-235

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN [03] (20–21) Section: WEST GULF

[F] (22) Drainage Basin: [51R] (23–25) Subbasin: [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [F] (27)

MAJOR AQUIFER: [ ] system, [ ] series [TF] (28–29) EVANGELINE aquifer, formation, group [E] (30–31)

Lithology: [5] (32–33) Origin: [3] (34) Aquifer Thickness: 42 ft

[42] (35–37) Length of well open to: 10 ft [10] (38–40) Depth to top of: 1540 ft [454] (41–43)

MINOR AQUIFER: [ ] system, [ ] series [ ] (44–45) [ ] aquifer, formation, group [ ] (46–47)

Lithology: [ ] (48–49) Origin: [ ] (50) Aquifer Thickness: [ ] ft

[ ] (51–53) Length of well open to: [ ] ft [ ] (54–56) Depth to top of: [ ] ft [ ] (57–59)

Intervals Screened: 1567-1577 SS WW NO. 10 GAUGE 2½" OD

Depth to consolidated rock: [ ] ft [ ] (60–63) Source of data: [ ] (64)

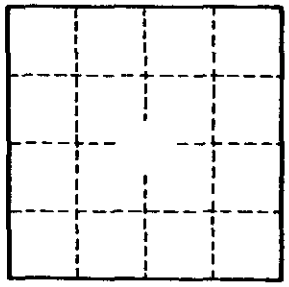
Depth to basement: [ ] ft [ ] (65–68) Source of data: [ ] (69)

Surficial material: [ ] (70–71) Infiltration characteristics: [ ] (72)

Coefficient Trans: 21 gpd/ft [200] (73–75) Coefficient Storage: [ ] (76–78)

Coefficient Perm: [ ] gpd/ft^2; Spec cap: [ ] gpm/ft; Number of geologic cards: [ ] (79)

sample for water quality obtained by jetting with air



Well No.

GPO 857–700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-735

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514735
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791389
Latitude (degrees minutes seconds)	29° 47' 29" N
Longitude (decimal degrees)	-95.333889
Longitude (degrees minutes seconds)	095° 20' 02" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1597
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Coast Subsidence Dist.,N.E.
Driller	O'Day Drlg
Other Data Available	Drillers Log; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294728095200102
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	2
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/7/1999
Last Update Date	10/7/1999

Remarks	Owner Coastal Subsidence District, Northeast, well #2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

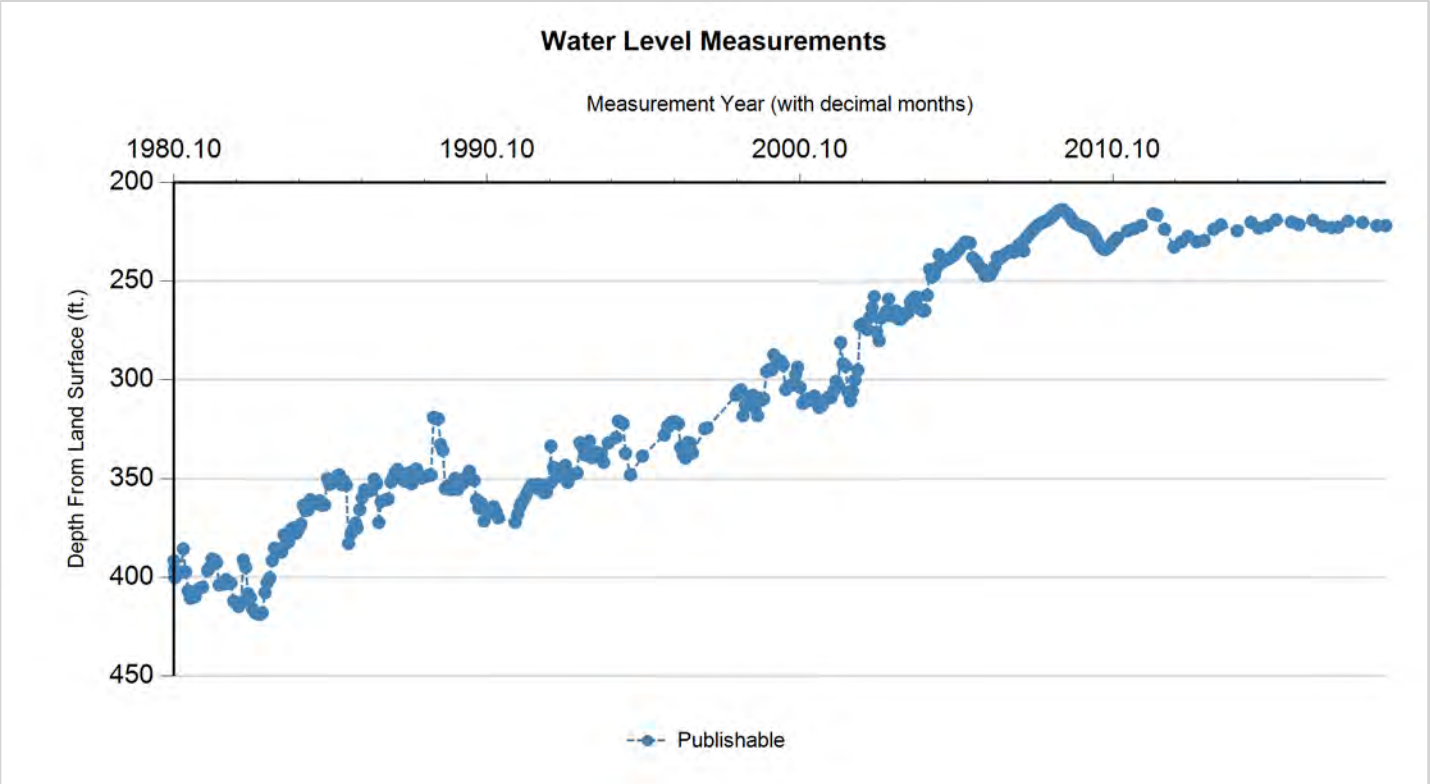
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/8/1980		391.46		-342.46	1	U.S. Geological Survey	Steel Tape		
P	2/15/1980		396.2	4.74	-347.2	1	U.S. Geological Survey	Steel Tape		
P	2/20/1980		400.19	3.99	-351.19	1	U.S. Geological Survey	Steel Tape		
P	2/21/1980		398.03	(2.16)	-349.03	1	U.S. Geological Survey	Steel Tape		
P	4/24/1980		397.55	(0.48)	-348.55	1	U.S. Geological Survey	Steel Tape		
P	5/27/1980		385.51	(12.04)	-336.51	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		397.14	11.63	-348.14	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		406.73	9.59	-357.73	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		410.45	3.72	-361.45	1	U.S. Geological Survey	Steel Tape		
P	9/17/1980		407.28	(3.17)	-358.28	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		409.8	2.52	-360.8	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		406.55	(3.25)	-357.55	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		405.43	(1.12)	-356.43	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		404.91	(0.52)	-355.91	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		396.47	(8.44)	-347.47	1	U.S. Geological Survey	Steel Tape		
P	3/30/1981		395.04	(1.43)	-346.04	1	U.S. Geological Survey	Steel Tape		
P	4/27/1981		390.68	(4.36)	-341.68	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		391.06	0.38	-342.06	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		392.44	1.38	-343.44	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		403.8	11.36	-354.8	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		403.02	(0.78)	-354.02	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/15/1981		403.33	0.31	-354.33	1	U.S. Geological Survey	Steel Tape		
P	10/13/1981		401.04	(2.29)	-352.04	1	U.S. Geological Survey	Steel Tape		
P	11/12/1981		402.93	1.89	-353.93	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		402.88	(0.05)	-353.88	1	U.S. Geological Survey	Steel Tape		
P	1/5/1982		412.01	9.13	-363.01	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		412.91	0.90	-363.91	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		414.72	1.81	-365.72	1	U.S. Geological Survey	Steel Tape		
P	3/31/1982		412.66	(2.06)	-363.66	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		391.12	(21.54)	-342.12	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		394.88	3.76	-345.88	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		408.2	13.32	-359.2	1	U.S. Geological Survey	Steel Tape		
P	7/21/1982		410.34	2.14	-361.34	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		416	5.66	-367	1	U.S. Geological Survey	Steel Tape		
P	9/15/1982		417.79	1.79	-368.79	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		418.41	0.62	-369.41	1	U.S. Geological Survey	Steel Tape		
P	11/10/1982		418.68	0.27	-369.68	1	U.S. Geological Survey	Steel Tape		
P	12/8/1982		417.93	(0.75)	-368.93	1	U.S. Geological Survey	Steel Tape		
P	1/5/1983		407.64	(10.29)	-358.64	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		402.6	(5.04)	-353.6	1	U.S. Geological Survey	Steel Tape		
P	3/1/1983		400.21	(2.39)	-351.21	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		391.38	(8.83)	-342.38	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		385.11	(6.27)	-336.11	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		387.06	1.95	-338.06	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		385.67	(1.39)	-336.67	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		387.13	1.46	-338.13	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		378.38	(8.75)	-329.38	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		382.71	4.33	-333.71	1	U.S. Geological Survey	Steel Tape		
P	10/11/1983		381.98	(0.73)	-332.98	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		375.54	(6.44)	-326.54	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		374.82	(0.72)	-325.82	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		377.59	2.77	-328.59	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		375.4	(2.19)	-326.4	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		372.98	(2.42)	-323.98	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		363.35	(9.63)	-314.35	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		366.14	2.79	-317.14	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		365.77	(0.37)	-316.77	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		360.51	(5.26)	-311.51	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		362.82	2.31	-313.82	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		361.54	(1.28)	-312.54	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		362.4	0.86	-313.4	1	U.S. Geological Survey	Steel Tape		
P	10/9/1984		361.08	(1.32)	-312.08	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		363.37	2.29	-314.37	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/5/1984		363.18	(0.19)	-314.18	1	U.S. Geological Survey	Steel Tape		
P	1/2/1985		349.82	(13.36)	-300.82	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		352.72	2.90	-303.72	1	U.S. Geological Survey	Steel Tape		
P	2/26/1985		351.93	(0.79)	-302.93	1	U.S. Geological Survey	Steel Tape		
P	3/26/1985		350.47	(1.46)	-301.47	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		348.75	(1.72)	-299.75	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		347.96	(0.79)	-298.96	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		352.87	4.91	-303.87	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		351.1	(1.77)	-302.1	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		353.17	2.07	-304.17	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		382.76	29.59	-333.76	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		377.93	(4.83)	-328.93	1	U.S. Geological Survey	Steel Tape		
P	11/6/1985		375.41	(2.52)	-326.41	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		372.38	(3.03)	-323.38	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		374.88	2.50	-325.88	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		365.63	(9.25)	-316.63	1	U.S. Geological Survey	Steel Tape		
P	2/12/1986		359.62	(6.01)	-310.62	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		355.51	(4.11)	-306.51	1	U.S. Geological Survey	Unknown		
P	4/11/1986		355.79	0.28	-306.79	1	U.S. Geological Survey	Unknown		
P	5/9/1986		356.12	0.33	-307.12	1	U.S. Geological Survey	Unknown		
P	6/5/1986		355.58	(0.54)	-306.58	1	U.S. Geological Survey	Unknown		
P	7/3/1986		350.12	(5.46)	-301.12	1	U.S. Geological Survey	Unknown		
P	7/31/1986		352.47	2.35	-303.47	1	U.S. Geological Survey	Unknown		
P	8/28/1986		372.14	19.67	-323.14	1	U.S. Geological Survey	Unknown		
P	9/25/1986		361.44	(10.70)	-312.44	1	U.S. Geological Survey	Unknown		
P	11/20/1986		360.56	(0.88)	-311.56	1	U.S. Geological Survey	Unknown		
P	12/17/1986		360.27	(0.29)	-311.27	1	U.S. Geological Survey	Unknown		
P	1/15/1987		351.55	(8.72)	-302.55	1	U.S. Geological Survey	Unknown		
P	2/12/1987		348.71	(2.84)	-299.71	1	U.S. Geological Survey	Unknown		
P	3/6/1987		346.49	(2.22)	-297.49	1	U.S. Geological Survey	Unknown		
P	4/2/1987		345.12	(1.37)	-296.12	1	U.S. Geological Survey	Unknown		
P	4/30/1987		347.2	2.08	-298.2	1	U.S. Geological Survey	Unknown		
P	5/28/1987		350.18	2.98	-301.18	1	U.S. Geological Survey	Unknown		
P	6/25/1987		351.17	0.99	-302.17	1	U.S. Geological Survey	Unknown		
P	7/23/1987		347.19	(3.98)	-298.19	1	U.S. Geological Survey	Unknown		
P	8/20/1987		350.71	3.52	-301.71	1	U.S. Geological Survey	Unknown		
P	9/17/1987		352.47	1.76	-303.47	1	U.S. Geological Survey	Unknown		
P	10/15/1987		345.78	(6.69)	-296.78	1	U.S. Geological Survey	Unknown		
P	11/12/1987		344.94	(0.84)	-295.94	1	U.S. Geological Survey	Unknown		
P	12/9/1987		348.17	3.23	-299.17	1	U.S. Geological Survey	Unknown		
P	1/7/1988		349.58	1.41	-300.58	1	U.S. Geological Survey	Unknown		
P	2/4/1988		349.02	(0.56)	-300.02	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/3/1988		348.6	(0.42)	-299.6	1	U.S. Geological Survey	Unknown		
P	3/31/1988		348.23	(0.37)	-299.23	1	U.S. Geological Survey	Unknown		
P	4/28/1988		348.07	(0.16)	-299.07	1	U.S. Geological Survey	Unknown		
P	5/26/1988		318.79	(29.28)	-269.79	1	U.S. Geological Survey	Unknown		
P	6/1/1988		319.15	0.36	-270.15	1	U.S. Geological Survey	Unknown		
P	6/23/1988		319.54	0.39	-270.54	1	U.S. Geological Survey	Unknown		
P	7/21/1988		319.56	0.02	-270.56	1	U.S. Geological Survey	Unknown		
P	8/18/1988		332.66	13.10	-283.66	1	U.S. Geological Survey	Unknown		
P	9/14/1988		335.52	2.86	-286.52	1	U.S. Geological Survey	Unknown		
P	10/13/1988		354.9	19.38	-305.9	1	U.S. Geological Survey	Unknown		
P	11/9/1988		353.6	(1.30)	-304.6	1	U.S. Geological Survey	Unknown		
P	12/8/1988		355.33	1.73	-306.33	1	U.S. Geological Survey	Unknown		
P	1/5/1989		355.22	(0.11)	-306.22	1	U.S. Geological Survey	Unknown		
P	2/2/1989		349.69	(5.53)	-300.69	1	U.S. Geological Survey	Unknown		
P	3/2/1989		355.37	5.68	-306.37	1	U.S. Geological Survey	Unknown		
P	3/29/1989		353.48	(1.89)	-304.48	1	U.S. Geological Survey	Unknown		
P	4/27/1989		352.51	(0.97)	-303.51	1	U.S. Geological Survey	Unknown		
P	5/25/1989		349.99	(2.52)	-300.99	1	U.S. Geological Survey	Unknown		
P	6/22/1989		348.65	(1.34)	-299.65	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		346.08	(2.57)	-297.08	1	U.S. Geological Survey	Unknown		
P	8/17/1989		350.28	4.20	-301.28	1	U.S. Geological Survey	Unknown		
P	9/14/1989		350.72	0.44	-301.72	1	U.S. Geological Survey	Unknown		
P	10/12/1989		360.58	9.86	-311.58	1	U.S. Geological Survey	Unknown		
P	11/8/1989		364.9	4.32	-315.9	1	U.S. Geological Survey	Unknown		
P	12/7/1989		362.29	(2.61)	-313.29	1	U.S. Geological Survey	Unknown		
P	1/4/1990		371.38	9.09	-322.38	1	U.S. Geological Survey	Steel Tape		
P	2/1/1990		366.2	(5.18)	-317.2	1	U.S. Geological Survey	Steel Tape		
P	3/1/1990		366.99	0.79	-317.99	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		364.13	(2.86)	-315.13	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		366.54	2.41	-317.54	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		369.76	3.22	-320.76	1	U.S. Geological Survey	Steel Tape		
P	1/3/1991		372.05	2.29	-323.05	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		368.12	(3.93)	-319.12	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		363.99	(4.13)	-314.99	1	U.S. Geological Survey	Steel Tape		
P	3/17/1991		362.12	(1.87)	-313.12	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		359.52	(2.60)	-310.52	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		356.97	(2.55)	-307.97	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		354.78	(2.19)	-305.78	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		352.94	(1.84)	-303.94	1	U.S. Geological Survey	Steel Tape		
P	8/15/1991		353.65	0.71	-304.65	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		354.57	0.92	-305.57	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		352.8	(1.77)	-303.8	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/8/1991		353.1	0.30	-304.1	1	U.S. Geological Survey	Steel Tape		
P	12/6/1991		357.01	3.91	-308.01	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		356.76	(0.25)	-307.76	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		352.99	(3.77)	-303.99	1	U.S. Geological Survey	Steel Tape		
P	2/25/1992		333.36	(19.63)	-284.36	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		351.82	18.46	-302.82	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		344.22	(7.60)	-295.22	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		346.85	2.63	-297.85	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		348.73	1.88	-299.73	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		346.28	(2.45)	-297.28	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		344.15	(2.13)	-295.15	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		343.21	(0.94)	-294.21	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		351.72	8.51	-302.72	1	U.S. Geological Survey	Steel Tape		
P	9/15/1992		349.9	(1.82)	-300.9	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		347.69	(2.21)	-298.69	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		348.05	0.36	-299.05	1	U.S. Geological Survey	Steel Tape		
P	12/2/1992		347.46	(0.59)	-298.46	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		347.09	(0.37)	-298.09	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		331.6	(15.49)	-282.6	1	U.S. Geological Survey	Steel Tape		
P	2/25/1993		333.36	1.76	-284.36	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		337.85	4.49	-288.85	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		333.37	(4.48)	-284.37	1	U.S. Geological Survey	Steel Tape		
P	5/19/1993		330.81	(2.56)	-281.81	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		339.2	8.39	-290.2	1	U.S. Geological Survey	Steel Tape		
P	7/15/1993		338.94	(0.26)	-289.94	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		336.54	(2.40)	-287.54	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		337.41	0.87	-288.41	1	U.S. Geological Survey	Steel Tape		
P	10/7/1993		337.2	(0.21)	-288.2	1	U.S. Geological Survey	Steel Tape		
P	11/5/1993		341.57	4.37	-292.57	1	U.S. Geological Survey	Steel Tape		
P	12/29/1993		331.77	(9.80)	-282.77	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		329.06	(2.71)	-280.06	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		320.69	(8.37)	-271.69	1	U.S. Geological Survey	Steel Tape		
P	5/20/1994		321.32	0.63	-272.32	1	U.S. Geological Survey	Steel Tape		
P	6/16/1994		321.98	0.66	-272.98	1	U.S. Geological Survey	Steel Tape		
P	7/14/1994		337.08	15.10	-288.08	1	U.S. Geological Survey	Steel Tape		
P	9/13/1994		347.97	10.89	-298.97	1	U.S. Geological Survey	Steel Tape		
P	1/27/1995		338.37	(9.60)	-289.37	1	U.S. Geological Survey	Steel Tape		
P	10/12/1995		327.79	(10.58)	-278.79	1	U.S. Geological Survey	Steel Tape		
P	11/21/1995		323.24	(4.55)	-274.24	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		323.49	0.25	-274.49	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		321.27	(2.22)	-272.27	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		321.2	(0.07)	-272.2	1	U.S. Geological Survey	Steel Tape		

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P	2/22/1996		321.12	(0.08)	-272.12	1	U.S. Geological Survey	Steel Tape		
P	3/21/1996		322.07	0.95	-273.07	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		334.03	11.96	-285.03	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		337.56	3.53	-288.56	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		339.42	1.86	-290.42	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		331.53	(7.89)	-282.53	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		331.77	0.24	-282.77	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		336.89	5.12	-287.89	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		324.58	(12.31)	-275.58	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		324.13	(0.45)	-275.13	1	U.S. Geological Survey	Steel Tape		
P	1/23/1998		307.97	(16.16)	-258.97	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		306.08	(1.89)	-257.08	1	U.S. Geological Survey	Steel Tape		
P	3/19/1998		305.17	(0.91)	-256.17	1	U.S. Geological Survey	Steel Tape		
P	4/15/1998		317.98	12.81	-268.98	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		312.9	(5.08)	-263.9	1	U.S. Geological Survey	Steel Tape		
P	6/11/1998		311.38	(1.52)	-262.38	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		308.53	(2.85)	-259.53	1	U.S. Geological Survey	Steel Tape		
P	8/11/1998		307.95	(0.58)	-258.95	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		314.05	6.10	-265.05	1	U.S. Geological Survey	Steel Tape		
P	10/5/1998		317.98	3.93	-268.98	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		309.41	(8.57)	-260.41	1	U.S. Geological Survey	Steel Tape		
P	11/24/1998		310.11	0.70	-261.11	1	U.S. Geological Survey	Steel Tape		
P	12/16/1998		309.76	(0.35)	-260.76	1	U.S. Geological Survey	Steel Tape		
P	1/14/1999		295.9	(13.86)	-246.9	1	U.S. Geological Survey	Unknown		
P	2/16/1999		294.87	(1.03)	-245.87	1	U.S. Geological Survey	Unknown		
P	3/15/1999		295.06	0.19	-246.06	1	U.S. Geological Survey	Steel Tape		
P	4/8/1999		287.44	(7.62)	-238.44	1	U.S. Geological Survey	Steel Tape		
P	5/7/1999		289.5	2.06	-240.5	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		290.15	0.65	-241.15	1	U.S. Geological Survey	Steel Tape		
P	7/2/1999		290.64	0.49	-241.64	1	U.S. Geological Survey	Steel Tape		
P	7/28/1999		292.73	2.09	-243.73	1	U.S. Geological Survey	Steel Tape		
P	8/27/1999		305.09	12.36	-256.09	1	U.S. Geological Survey	Steel Tape		
P	9/27/1999		303.55	(1.54)	-254.55	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		302.99	(0.56)	-253.99	1	U.S. Geological Survey	Steel Tape		
P	11/22/1999		302.68	(0.31)	-253.68	1	U.S. Geological Survey	Steel Tape		
P	12/23/1999		297.44	(5.24)	-248.44	1	U.S. Geological Survey	Steel Tape		
P	1/12/2000		293.66	(3.78)	-244.66	1	U.S. Geological Survey	Steel Tape		
P	2/11/2000		303.92	10.26	-254.92	1	U.S. Geological Survey	Steel Tape		
P	3/11/2000		311.8	7.88	-262.8	1	U.S. Geological Survey	Steel Tape		
P	4/6/2000		310.31	(1.49)	-261.31	1	U.S. Geological Survey	Steel Tape		
P	5/8/2000		309.73	(0.58)	-260.73	1	U.S. Geological Survey	Steel Tape		
P	5/31/2000		310.27	0.54	-261.27	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-735

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/29/2000		309.59	(0.68)	-260.59	1	U.S. Geological Survey	Steel Tape		
P	7/27/2000		308.33	(1.26)	-259.33	1	U.S. Geological Survey	Steel Tape		
P	8/23/2000		310.65	2.32	-261.65	1	U.S. Geological Survey	Steel Tape		
P	9/21/2000		313.84	3.19	-264.84	1	U.S. Geological Survey	Steel Tape		
P	10/23/2000		312.92	(0.92)	-263.92	1	U.S. Geological Survey	Steel Tape		
P	11/21/2000		310.73	(2.19)	-261.73	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		309.98	(0.75)	-260.98	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		308.62	(1.36)	-259.62	1	U.S. Geological Survey	Steel Tape		
P	2/8/2001		309.12	0.50	-260.12	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		305.54	(3.58)	-256.54	1	U.S. Geological Survey	Steel Tape		
P	4/5/2001		300.83	(4.71)	-251.83	1	U.S. Geological Survey	Steel Tape		
P	5/3/2001		303.11	2.28	-254.11	1	U.S. Geological Survey	Steel Tape		
P	5/30/2001		281.16	(21.95)	-232.16	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		292.07	10.91	-243.07	1	U.S. Geological Survey	Steel Tape		
P	7/27/2001		293.11	1.04	-244.11	1	U.S. Geological Survey	Steel Tape		
P	8/23/2001		306.42	13.31	-257.42	1	U.S. Geological Survey	Steel Tape		
P	9/21/2001		310.47	4.05	-261.47	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		305.74	(4.73)	-256.74	1	U.S. Geological Survey	Steel Tape		
P	11/15/2001		300.18	(5.56)	-251.18	1	U.S. Geological Survey	Steel Tape		
P	12/19/2001		295.17	(5.01)	-246.17	1	U.S. Geological Survey	Steel Tape		
P	1/11/2002		272.43	(22.74)	-223.43	1	U.S. Geological Survey	Steel Tape		
P	2/6/2002		271.82	(0.61)	-222.82	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		273.43	1.61	-224.43	1	U.S. Geological Survey	Steel Tape		
P	4/3/2002		274.63	1.20	-225.63	1	U.S. Geological Survey	Steel Tape		
P	5/3/2002		268.45	(6.18)	-219.45	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		263.55	(4.90)	-214.55	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		257.93	(5.62)	-208.93	1	U.S. Geological Survey	Steel Tape		
P	7/24/2002		275.89	17.96	-226.89	1	U.S. Geological Survey	Steel Tape		
P	8/22/2002		280.32	4.43	-231.32	1	U.S. Geological Survey	Steel Tape		
P	9/20/2002		268.78	(11.54)	-219.78	1	U.S. Geological Survey	Steel Tape		
P	10/18/2002		267.7	(1.08)	-218.7	1	U.S. Geological Survey	Steel Tape		
P	11/15/2002		265.48	(2.22)	-216.48	1	U.S. Geological Survey	Steel Tape		
P	12/13/2002		259.19	(6.29)	-210.19	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		267.63	8.44	-218.63	1	U.S. Geological Survey	Steel Tape		
P	2/6/2003		265.57	(2.06)	-216.57	1	U.S. Geological Survey	Steel Tape		
P	3/6/2003		265.14	(0.43)	-216.14	1	U.S. Geological Survey	Steel Tape		
P	4/2/2003		269.23	4.09	-220.23	1	U.S. Geological Survey	Steel Tape		
P	5/2/2003		269.32	0.09	-220.32	1	U.S. Geological Survey	Steel Tape		
P	5/28/2003		268.08	(1.24)	-219.08	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		266.34	(1.74)	-217.34	1	U.S. Geological Survey	Steel Tape		
P	7/24/2003		266.21	(0.13)	-217.21	1	U.S. Geological Survey	Steel Tape		
P	8/21/2003		260.65	(5.56)	-211.65	1	U.S. Geological Survey	Steel Tape		

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P	9/19/2003		259.29	(1.36)	-210.29	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		258.11	(1.18)	-209.11	1	U.S. Geological Survey	Steel Tape		
P	11/14/2003		258.38	0.27	-209.38	1	U.S. Geological Survey	Steel Tape		
P	12/11/2003		264.15	5.77	-215.15	1	U.S. Geological Survey	Steel Tape		
P	1/12/2004		265.31	1.16	-216.31	1	U.S. Geological Survey	Steel Tape		
P	2/5/2004		265.04	(0.27)	-216.04	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		257.27	(7.77)	-208.27	1	U.S. Geological Survey	Steel Tape		
P	3/30/2004		244.11	(13.16)	-195.11	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		248.08	3.97	-199.08	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		246.97	(1.11)	-197.97	1	U.S. Geological Survey	Steel Tape		
P	6/22/2004		243.42	(3.55)	-194.42	1	U.S. Geological Survey	Steel Tape		
P	7/20/2004		236.61	(6.81)	-187.61	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		240.82	4.21	-191.82	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		239.76	(1.06)	-190.76	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		239.27	(0.49)	-190.27	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		238.92	(0.35)	-189.92	1	U.S. Geological Survey	Steel Tape		
P	12/6/2004		238.11	(0.81)	-189.11	1	U.S. Geological Survey	Steel Tape		
P	1/6/2005		237.08	(1.03)	-188.08	1	U.S. Geological Survey	Steel Tape		
P	2/2/2005		235.81	(1.27)	-186.81	1	U.S. Geological Survey	Steel Tape		
P	3/2/2005		234.37	(1.44)	-185.37	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		232.94	(1.43)	-183.94	1	U.S. Geological Survey	Steel Tape		
P	5/12/2005		230.67	(2.27)	-181.67	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		230.25	(0.42)	-181.25	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		230.52	0.27	-181.52	1	U.S. Geological Survey	Steel Tape		
P	7/19/2005		230.74	0.22	-181.74	1	U.S. Geological Survey	Steel Tape		
P	8/18/2005		238.2	7.46	-189.2	1	U.S. Geological Survey	Steel Tape		
P	9/26/2005		239.89	1.69	-190.89	1	U.S. Geological Survey	Steel Tape		
P	10/18/2005		241.38	1.49	-192.38	1	U.S. Geological Survey	Steel Tape		
P	11/17/2005		243.47	2.09	-194.47	1	U.S. Geological Survey	Steel Tape		
P	12/15/2005		244.03	0.56	-195.03	1	U.S. Geological Survey	Steel Tape		
P	1/6/2006		247.28	3.25	-198.28	1	U.S. Geological Survey	Steel Tape		
P	2/6/2006		247.41	0.13	-198.41	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		246.94	(0.47)	-197.94	1	U.S. Geological Survey	Steel Tape		
P	4/4/2006		244.74	(2.20)	-195.74	1	U.S. Geological Survey	Steel Tape		
P	5/1/2006		242.49	(2.25)	-193.49	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		237.89	(4.60)	-188.89	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		238.75	0.86	-189.75	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		237.56	(1.19)	-188.56	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		236.72	(0.84)	-187.72	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		235.81	(0.91)	-186.81	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		234.94	(0.87)	-185.94	1	U.S. Geological Survey	Steel Tape		
P	11/16/2006		234.68	(0.26)	-185.68	1	U.S. Geological Survey	Steel Tape		

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P	12/14/2006		235.47	0.79	-186.47	1	U.S. Geological Survey	Steel Tape		
P	1/10/2007		233.61	(1.86)	-184.61	1	U.S. Geological Survey	Steel Tape		
P	2/6/2007		231.66	(1.95)	-182.66	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		230.46	(1.20)	-181.46	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		234.79	4.33	-185.79	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		228.2	(6.59)	-179.2	1	U.S. Geological Survey	Steel Tape		
P	6/4/2007		226.46	(1.74)	-177.46	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		225.22	(1.24)	-176.22	1	U.S. Geological Survey	Steel Tape		
P	7/24/2007		224.07	(1.15)	-175.07	1	U.S. Geological Survey	Steel Tape		
P	8/21/2007		222.78	(1.29)	-173.78	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		221.73	(1.05)	-172.73	1	U.S. Geological Survey	Steel Tape		
P	10/19/2007		220.9	(0.83)	-171.9	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		220.13	(0.77)	-171.13	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		219.8	(0.33)	-170.8	1	U.S. Geological Survey	Steel Tape		
P	1/4/2008		219.34	(0.46)	-170.34	1	U.S. Geological Survey	Steel Tape		
P	2/11/2008		218.06	(1.28)	-169.06	1	U.S. Geological Survey	Steel Tape		
P	3/12/2008		216.87	(1.19)	-167.87	1	U.S. Geological Survey	Steel Tape		
P	4/7/2008		215.79	(1.08)	-166.79	1	U.S. Geological Survey	Steel Tape		
P	5/12/2008		214.52	(1.27)	-165.52	1	U.S. Geological Survey	Steel Tape		
P	6/12/2008		213.91	(0.61)	-164.91	1	U.S. Geological Survey	Steel Tape		
P	7/11/2008		213.92	0.01	-164.92	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		215.83	1.91	-166.83	1	U.S. Geological Survey	Steel Tape		
P	10/1/2008		217.54	1.71	-168.54	1	U.S. Geological Survey	Steel Tape		
P	10/29/2008		219.47	1.93	-170.47	1	U.S. Geological Survey	Steel Tape		
P	11/25/2008		220.57	1.10	-171.57	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		221.23	0.66	-172.23	1	U.S. Geological Survey	Steel Tape		
P	1/23/2009		222.11	0.88	-173.11	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		222.57	0.46	-173.57	1	U.S. Geological Survey	Steel Tape		
P	4/1/2009		223.15	0.58	-174.15	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		223.9	0.75	-174.9	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		224.68	0.78	-175.68	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		226.26	1.58	-177.26	1	U.S. Geological Survey	Steel Tape		
P	7/21/2009		228.3	2.04	-179.3	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		230.74	2.44	-181.74	1	U.S. Geological Survey	Steel Tape		
P	9/16/2009		232.52	1.78	-183.52	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		233.68	1.16	-184.68	1	U.S. Geological Survey	Steel Tape		
P	11/10/2009		234.16	0.48	-185.16	1	U.S. Geological Survey	Steel Tape		
P	12/9/2009		233.54	(0.62)	-184.54	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		232.24	(1.30)	-183.24	1	U.S. Geological Survey	Steel Tape		
P	2/10/2010		230.32	(1.92)	-181.32	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		228.9	(1.42)	-179.9	1	U.S. Geological Survey	Steel Tape		
P	3/30/2010		228.16	(0.74)	-179.16	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-735

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/27/2010		224.63	(3.53)	-175.63	1	U.S. Geological Survey	Steel Tape		
P	10/19/2010		223.49	(1.14)	-174.49	1	U.S. Geological Survey	Steel Tape		
P	1/5/2011		221.88	(1.61)	-172.88	1	U.S. Geological Survey	Steel Tape		
P	5/20/2011		215.97	(5.91)	-166.97	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		216.64	0.67	-167.64	1	U.S. Geological Survey	Steel Tape		
P	10/6/2011		223.76	7.12	-174.76	1	U.S. Geological Survey	Steel Tape		
P	1/23/2012		232.88	9.12	-183.88	1	U.S. Geological Survey	Steel Tape		
P	4/18/2012		230.16	(2.72)	-181.16	1	U.S. Geological Survey	Steel Tape		
P	7/5/2012		227.37	(2.79)	-178.37	1	U.S. Geological Survey	Steel Tape		
P	10/15/2012		230.17	2.80	-181.17	1	U.S. Geological Survey	Steel Tape		
P	1/8/2013		229.43	(0.74)	-180.43	1	U.S. Geological Survey	Steel Tape		
P	4/29/2013		223.85	(5.58)	-174.85	1	U.S. Geological Survey	Steel Tape		
P	7/23/2013		221.53	(2.32)	-172.53	1	U.S. Geological Survey	Steel Tape		
P	1/27/2014		224.59	3.06	-175.59	1	U.S. Geological Survey	Steel Tape		
P	7/10/2014		220.25	(4.34)	-171.25	1	U.S. Geological Survey	Steel Tape		
P	10/10/2014		223.24	2.99	-174.24	1	U.S. Geological Survey	Steel Tape		
P	1/15/2015		222.03	(1.21)	-173.03	1	U.S. Geological Survey	Steel Tape		
P	4/27/2015	1147	219.01	(3.02)	-170.01	1	U.S. Geological Survey	Steel Tape		
P	10/26/2015	1254	220.08	1.07	-171.08	1	U.S. Geological Survey	Electric Line		
P	1/20/2016	0917	221.53	1.45	-172.53	1	U.S. Geological Survey	Electric Line		
P	7/1/2016	1052	219.2	(2.33)	-170.2	1	U.S. Geological Survey	Electric Line		
P	10/24/2016	1444	222.3	3.10	-173.3	1	U.S. Geological Survey	Electric Line		
P	1/31/2017	1419	222.91	0.61	-173.91	1	U.S. Geological Survey	Steel Tape		
P	4/20/2017	1443	222.78	(0.13)	-173.78	1	U.S. Geological Survey	Steel Tape		
P	8/16/2017	1425	219.71	(3.07)	-170.71	1	U.S. Geological Survey	Steel Tape		
P	1/30/2018	1421	220.34	0.63	-171.34	1	U.S. Geological Survey	Electric Line		
P	7/19/2018	1470	222	1.66	-173	1	U.S. Geological Survey	Electric Line		
P	10/31/2018	1020	221.93	(0.07)	-172.93	1	U.S. Geological Survey	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/8/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		390	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		100	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		980	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514736 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294532 **Longitude** 952155 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Niels Esperson Bldg.

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1925 **Depth** 895 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Completion
Casing Material Blank
Screen Material Blank
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1931
-98.6

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 844 to 894 ft.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-736

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514736
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.758889
Latitude (degrees minutes seconds)	29° 45' 32" N
Longitude (decimal degrees)	-95.365278
Longitude (degrees minutes seconds)	095° 21' 55" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	895
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1925
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Niels Esperson Bldg.
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 844 to 894 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

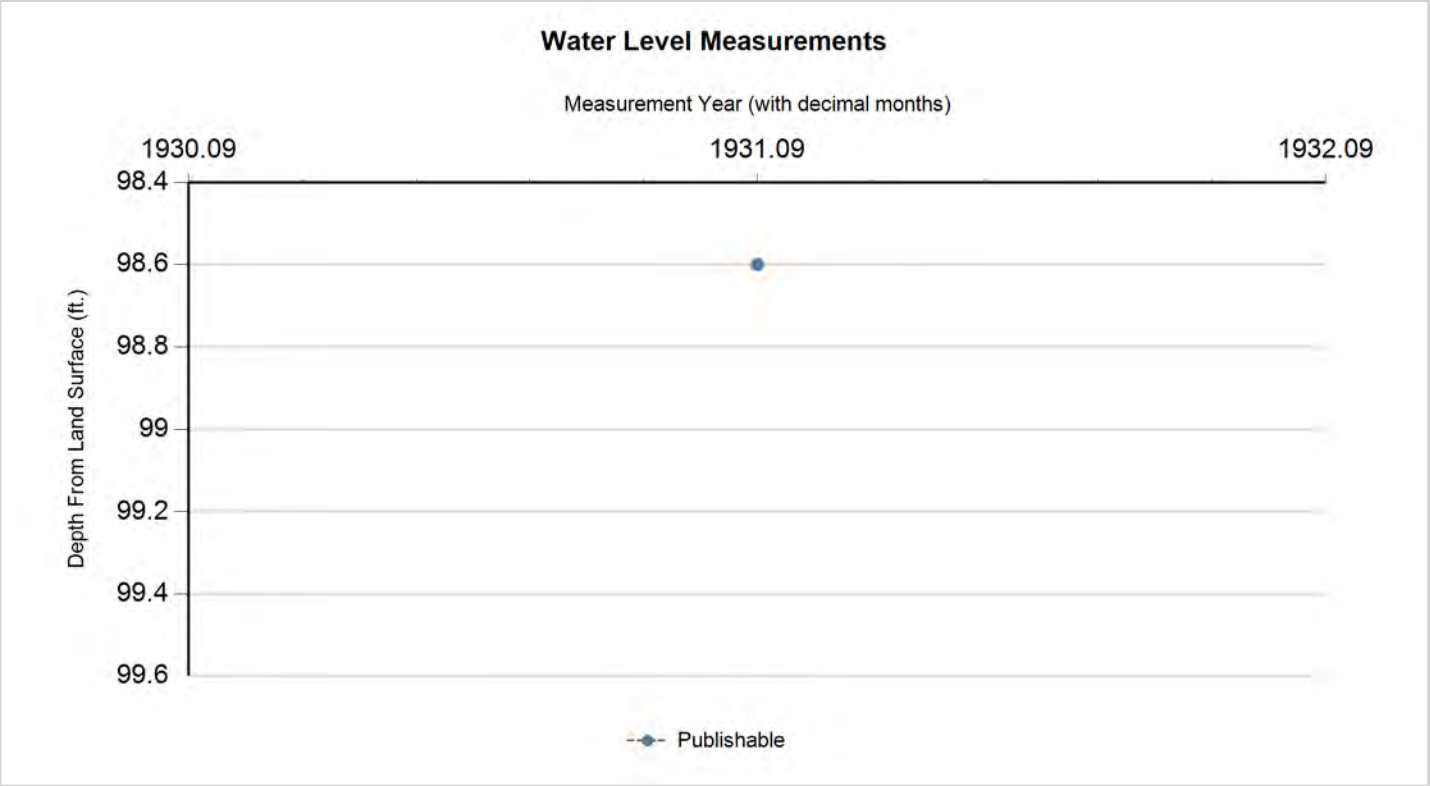
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/2/1931		98.6		-48.6	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		24	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		117	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.1	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		252	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-736

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		232	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		129	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		53	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		459	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514737 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294547 **Longitude** 952110 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Houston Lighting and Power co.

Driller
Taylor and Roberts

Address _____ **Tenant/Oper.** _____

Date Drilled / /1922 **Depth** 873 **Source of Depth** **Altitude** 45 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 2 measurements
1931 to 1940
MIN -119 MAX -73

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
110 ft of screen between 741 and 873 ft. Well destroyed. Well 1.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-737

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514737
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763056
Latitude (degrees minutes seconds)	29° 45' 47" N
Longitude (decimal degrees)	-95.352778
Longitude (degrees minutes seconds)	095° 21' 10" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	873
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1922
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Houston Lighting and Power co.
Driller	Taylor and Roberts
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	110 ft of screen between 741 and 873 ft. Well destroyed. Well 1.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

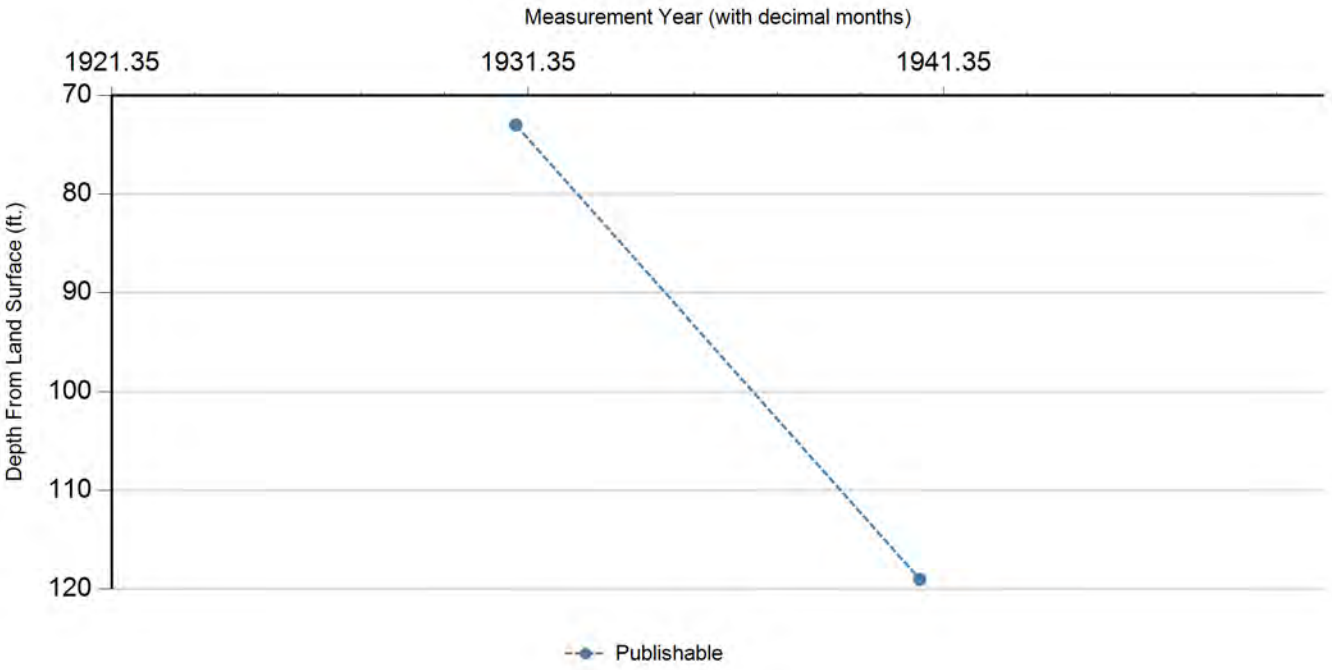
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/21/1931		73		-28	1	Texas Water Development Board	Steel Tape		
P	10/11/1940		119	46.00	-74	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/29/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		25	mg/L	

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		179.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		219	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		49	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		247	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-737

Water Quality Analysis

Sample Date: 7/24/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		192.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		235	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-738

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

1:24,000

Record by RS SONENSHEIN Source of data DRILLER & OBS Date 2-13-80 Map SETTEGAST, TX 1967

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 47 28 N Longitude: 095 20 01 Sequential number: 3

Lat-long accuracy: 1 T ____ S, R ____ W, Sec ____, ¼, ¼, ¼

Local well number: LJ-65-14-738 Other number: B & M NORTHEAST No. 4

Local use: ____ Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

Owner or name: HGCSD Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ 5

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. Ø

DATA AVAILABLE: Well data Z Freq. W/L meas.: MONTHLY M Field aquifer char. T

Hyd. lab. data: ____

Qual. water data; type: partial P

Freq. sampling: ORIGINAL Ø Pumpage inventory: yes (no) period: ____

Aperture cards: ____ yes

Log data: DRILLER'S D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 487 ft 487 Meas. rept ____ 3

Depth cased; (first perf.) 472 ft 472 Casing type: steel ; Diam. 4½-2½ in accuracy 4

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other ____ S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ H

Date Drilled: FEB 1980 980 Pump intake setting: NONE ft ____

Driller: O'DAY DRLG CO name, PEARLAND, TX address

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other W Deep ____ Shallow ____

Power (type): diesel, elec, gas, nat gasoline, hand, LP gas, wind; H.P. ____ Trans. or meter no. ____

Descrip. MP Top of casing +2.0 ft above below LSD, Alt. MP ____

Alt. LSD: 49 49 Accuracy: (source) 5' TOPO 3

Water Level 264.69 ft above below MP; Ft above below LSD 265 Accuracy: steel tape A

Date meas: 3-18-80 380 Yield: 7.5 gpm 8 Method determined I

Drawdown: ____ ft ____ Accuracy: ____ Pumping period ____ hrs ____

QUALITY OF WATER DATA: Iron ____ ppm Silicate 8.7 ppm 9 Chloride ____ ppm Hard. HCO3 200 ppm 5

Sp. Conduct 500 K x 10^6 3 Temp. 73.5 °F 73 Date sampled 2-15-80 280

Taste, color, etc. ____

Well No.

Well No. LJ-65-14-73B

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN (20–21) 03 Section: WEST GULF

(22) F Drainage Basin: (23–25) 511R Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat — (27) F

MAJOR AQUIFER: _____ system, _____ series (28–29) Q _____ aquifer, formation, group (30–31) C

Lithology: _____ (32–33) 5 Origin: _____ (34) 3 Aquifer Thickness: 66 ft

(35–37) 66 Length of well open to: 10 ft (38–40) 10 Depth to top of: 476 ft (41–43) 476

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47) _____

Lithology: _____ (48–49) _____ Origin: _____ (50) _____ Aquifer Thickness: _____ ft

(51–53) _____ Length of well open to: _____ ft (54–56) _____ Depth to top of: _____ ft (57–59) _____

Intervals Screened: 472-482 SSWW No 10 ga 2½" OD

Depth to consolidated rock: _____ ft (60–63) _____ Source of data: _____ (64) _____

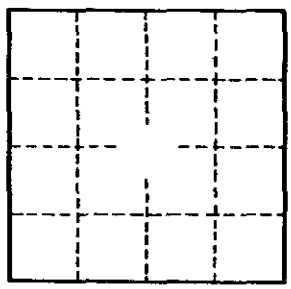
Depth to basement: _____ ft (65–68) _____ Source of data: _____ (69) _____

Surficial material: _____ (70–71) _____ Infiltration characteristics: _____ (72) _____

Coefficient Trans: 157 gpd/ft (73–75) 161 Coefficient Storage: _____ (76–78) _____

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

sample for water quality obtained by jetting with air



Well No.

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-738

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514738
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791111
Latitude (degrees minutes seconds)	29° 47' 28" N
Longitude (decimal degrees)	-95.333611
Longitude (degrees minutes seconds)	095° 20' 01" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	487
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	Other Cooperator Recorder Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Subsidence District
Driller	O'Day Drlg
Other Data Available	Drillers Log; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294728095200103
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	Northeast Piezometer No. 4
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/6/2014
Last Update Date	2/6/2014

Remarks	Owner Coastal Subsidence District, Northeast, well #4. USGS Recorder Well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
4	Blank					
	Screen				472	482

Well Tests - No Data

Lithology - No Data

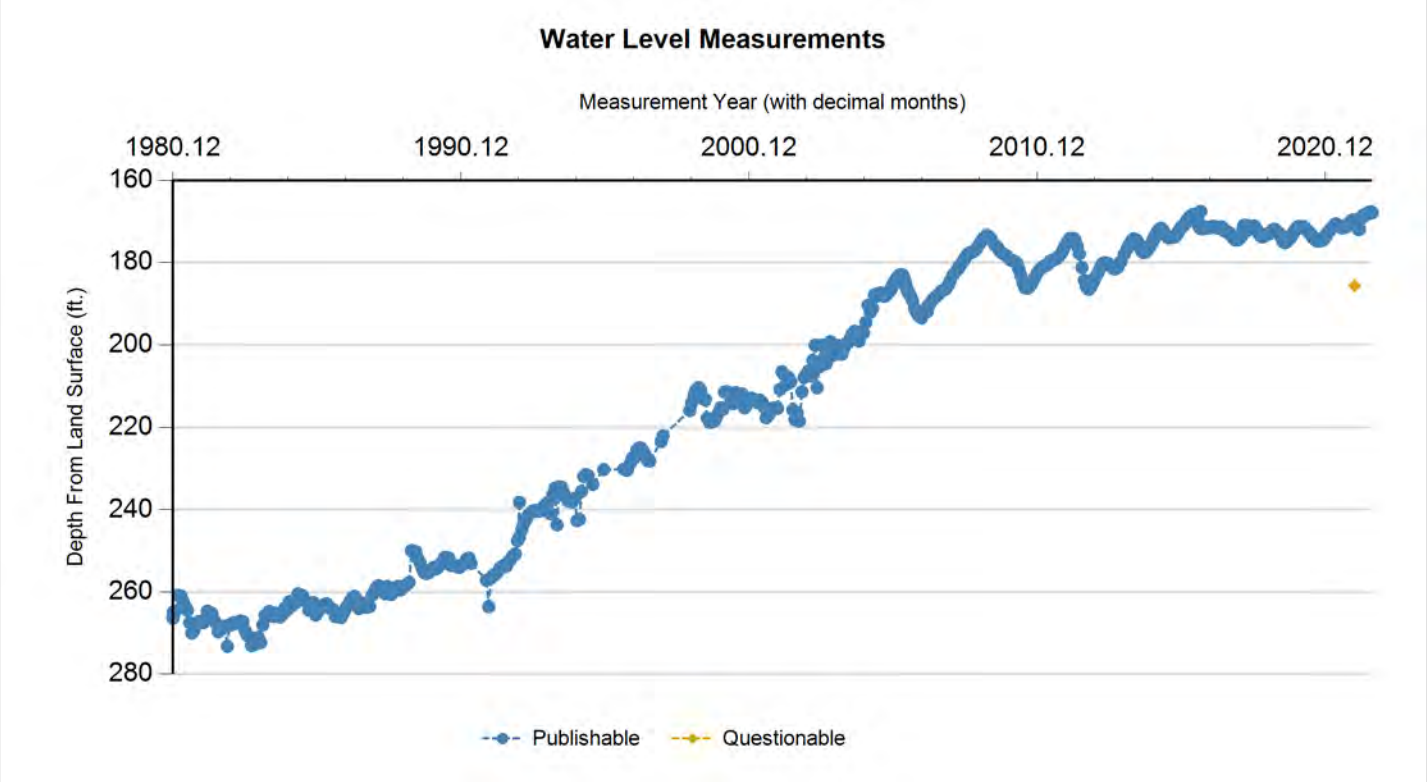
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/15/1980		266.35		-215.35	1	U.S. Geological Survey	Electric Line		
P	2/19/1980		266.23	(0.12)	-215.23	1	U.S. Geological Survey	Electric Line		
P	2/21/1980		264.91	(1.32)	-213.91	1	U.S. Geological Survey	Steel Tape		
P	3/18/1980		264.69	(0.22)	-213.69	1	U.S. Geological Survey	Steel Tape		
P	4/24/1980		260.8	(3.89)	-209.8	1	U.S. Geological Survey	Steel Tape		
P	5/27/1980		260.98	0.18	-209.98	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		262.33	1.35	-211.33	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		263.56	1.23	-212.56	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		264.47	0.91	-213.47	1	U.S. Geological Survey	Steel Tape		
P	9/17/1980		267.48	3.01	-216.48	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		270.02	2.54	-219.02	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		269.37	(0.65)	-218.37	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		267.88	(1.49)	-216.88	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		267.17	(0.71)	-216.17	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		267.47	0.30	-216.47	1	U.S. Geological Survey	Steel Tape		
P	3/30/1981		266.53	(0.94)	-215.53	1	U.S. Geological Survey	Steel Tape		
P	4/27/1981		264.66	(1.87)	-213.66	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		264.99	0.33	-213.99	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		265.17	0.18	-214.17	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		266.83	1.66	-215.83	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		267.65	0.82	-216.65	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/15/1981		269.73	2.08	-218.73	1	U.S. Geological Survey	Steel Tape		
P	10/13/1981		268.67	(1.06)	-217.67	1	U.S. Geological Survey	Steel Tape		
P	11/12/1981		268.86	0.19	-217.86	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		268.35	(0.51)	-217.35	1	U.S. Geological Survey	Steel Tape		
P	1/5/1982		273.24	4.89	-222.24	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		268.02	(5.22)	-217.02	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		267.97	(0.05)	-216.97	1	U.S. Geological Survey	Steel Tape		
P	3/31/1982		267.4	(0.57)	-216.4	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		267.46	0.06	-216.46	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		267.61	0.15	-216.61	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		267.05	(0.56)	-216.05	1	U.S. Geological Survey	Steel Tape		
P	7/21/1982		267.19	0.14	-216.19	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		269.29	2.10	-218.29	1	U.S. Geological Survey	Steel Tape		
P	9/15/1982		270.52	1.23	-219.52	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		270.88	0.36	-219.88	1	U.S. Geological Survey	Steel Tape		
P	11/10/1982		273.03	2.15	-222.03	1	U.S. Geological Survey	Steel Tape		
P	12/8/1982		272.88	(0.15)	-221.88	1	U.S. Geological Survey	Steel Tape		
P	1/5/1983		271.75	(1.13)	-220.75	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		271.05	(0.70)	-220.05	1	U.S. Geological Survey	Steel Tape		
P	3/1/1983		272.31	1.26	-221.31	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		268	(4.31)	-217	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		265.7	(2.30)	-214.7	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		265.93	0.23	-214.93	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		264.72	(1.21)	-213.72	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		265.81	1.09	-214.81	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		265.98	0.17	-214.98	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		265.13	(0.85)	-214.13	1	U.S. Geological Survey	Steel Tape		
P	10/11/1983		265.52	0.39	-214.52	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		266.09	0.57	-215.09	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		265.6	(0.49)	-214.6	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		263.9	(1.70)	-212.9	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		264.45	0.55	-213.45	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		262.36	(2.09)	-211.36	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		263.48	1.12	-212.48	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		262.97	(0.51)	-211.97	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		262.61	(0.36)	-211.61	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		260.46	(2.15)	-209.46	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		261.09	0.63	-210.09	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		260.86	(0.23)	-209.86	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		261.9	1.04	-210.9	1	U.S. Geological Survey	Steel Tape		
P	10/9/1984		262.31	0.41	-211.31	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		264.42	2.11	-213.42	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/5/1984		263.91	(0.51)	-212.91	1	U.S. Geological Survey	Steel Tape		
P	1/2/1985		262.6	(1.31)	-211.6	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		265.64	3.04	-214.64	1	U.S. Geological Survey	Steel Tape		
P	2/26/1985		264.78	(0.86)	-213.78	1	U.S. Geological Survey	Steel Tape		
P	3/26/1985		264.11	(0.67)	-213.11	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		263.58	(0.53)	-212.58	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		263.02	(0.56)	-212.02	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		262.86	(0.16)	-211.86	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		263.71	0.85	-212.71	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		264.05	0.34	-213.05	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		264.32	0.27	-213.32	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		266.02	1.70	-215.02	1	U.S. Geological Survey	Steel Tape		
P	11/6/1985		265.7	(0.32)	-214.7	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		265.13	(0.57)	-214.13	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		266.25	1.12	-215.25	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		265.08	(1.17)	-214.08	1	U.S. Geological Survey	Steel Tape		
P	2/12/1986		264.05	(1.03)	-213.05	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		263.2	(0.85)	-212.2	1	U.S. Geological Survey	Unknown		
P	4/11/1986		262.2	(1.00)	-211.2	1	U.S. Geological Survey	Unknown		
P	5/9/1986		261.37	(0.83)	-210.37	1	U.S. Geological Survey	Unknown		
P	6/5/1986		261.07	(0.30)	-210.07	1	U.S. Geological Survey	Unknown		
P	7/3/1986		262.35	1.28	-211.35	1	U.S. Geological Survey	Unknown		
P	7/31/1986		264.05	1.70	-213.05	1	U.S. Geological Survey	Unknown		
P	8/28/1986		262.54	(1.51)	-211.54	1	U.S. Geological Survey	Unknown		
P	9/25/1986		263.68	1.14	-212.68	1	U.S. Geological Survey	Unknown		
P	11/20/1986		263.72	0.04	-212.72	1	U.S. Geological Survey	Unknown		
P	12/17/1986		263.54	(0.18)	-212.54	1	U.S. Geological Survey	Unknown		
P	1/15/1987		260.78	(2.76)	-209.78	1	U.S. Geological Survey	Unknown		
P	2/12/1987		259.85	(0.93)	-208.85	1	U.S. Geological Survey	Unknown		
P	3/6/1987		259.02	(0.83)	-208.02	1	U.S. Geological Survey	Unknown		
P	4/2/1987		258.47	(0.55)	-207.47	1	U.S. Geological Survey	Unknown		
P	4/30/1987		259.18	0.71	-208.18	1	U.S. Geological Survey	Unknown		
P	5/28/1987		259.55	0.37	-208.55	1	U.S. Geological Survey	Unknown		
P	6/25/1987		260.43	0.88	-209.43	1	U.S. Geological Survey	Unknown		
P	7/23/1987		258.65	(1.78)	-207.65	1	U.S. Geological Survey	Unknown		
P	8/20/1987		259.81	1.16	-208.81	1	U.S. Geological Survey	Unknown		
P	9/17/1987		260.65	0.84	-209.65	1	U.S. Geological Survey	Unknown		
P	10/15/1987		259.66	(0.99)	-208.66	1	U.S. Geological Survey	Unknown		
P	11/12/1987		259.02	(0.64)	-208.02	1	U.S. Geological Survey	Unknown		
P	12/9/1987		258.63	(0.39)	-207.63	1	U.S. Geological Survey	Unknown		
P	1/7/1988		259.55	0.92	-208.55	1	U.S. Geological Survey	Unknown		
P	2/4/1988		258.96	(0.59)	-207.96	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/3/1988		258.51	(0.45)	-207.51	1	U.S. Geological Survey	Unknown		
P	3/31/1988		258.07	(0.44)	-207.07	1	U.S. Geological Survey	Unknown		
P	4/28/1988		257.68	(0.39)	-206.68	1	U.S. Geological Survey	Unknown		
P	5/26/1988		250	(7.68)	-199	1	U.S. Geological Survey	Unknown		
P	6/1/1988		249.92	(0.08)	-198.92	1	U.S. Geological Survey	Unknown		
P	6/23/1988		250.02	0.10	-199.02	1	U.S. Geological Survey	Unknown		
P	7/21/1988		250.19	0.17	-199.19	1	U.S. Geological Survey	Unknown		
P	8/18/1988		251.88	1.69	-200.88	1	U.S. Geological Survey	Unknown		
P	9/14/1988		252.85	0.97	-201.85	1	U.S. Geological Survey	Unknown		
P	10/13/1988		254.26	1.41	-203.26	1	U.S. Geological Survey	Unknown		
P	11/9/1988		255.31	1.05	-204.31	1	U.S. Geological Survey	Unknown		
P	12/8/1988		255.54	0.23	-204.54	1	U.S. Geological Survey	Unknown		
P	1/5/1989		255.25	(0.29)	-204.25	1	U.S. Geological Survey	Unknown		
P	2/2/1989		254.59	(0.66)	-203.59	1	U.S. Geological Survey	Unknown		
P	3/2/1989		254.03	(0.56)	-203.03	1	U.S. Geological Survey	Unknown		
P	3/29/1989		254.39	0.36	-203.39	1	U.S. Geological Survey	Unknown		
P	4/27/1989		254.1	(0.29)	-203.1	1	U.S. Geological Survey	Unknown		
P	5/25/1989		253.23	(0.87)	-202.23	1	U.S. Geological Survey	Unknown		
P	6/22/1989		253.04	(0.19)	-202.04	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		251.61	(1.43)	-200.61	1	U.S. Geological Survey	Unknown		
P	8/17/1989		251.63	0.02	-200.63	1	U.S. Geological Survey	Unknown		
P	9/14/1989		251.76	0.13	-200.76	1	U.S. Geological Survey	Unknown		
P	10/12/1989		253.56	1.80	-202.56	1	U.S. Geological Survey	Unknown		
P	11/8/1989		253.48	(0.08)	-202.48	1	U.S. Geological Survey	Unknown		
P	12/7/1989		253.6	0.12	-202.6	1	U.S. Geological Survey	Unknown		
P	1/4/1990		253.99	0.39	-202.99	1	U.S. Geological Survey	Unknown		
P	2/1/1990		253.97	(0.02)	-202.97	1	U.S. Geological Survey	Steel Tape		
P	3/1/1990		253.36	(0.61)	-202.36	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		252.02	(1.34)	-201.02	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		251.75	(0.27)	-200.75	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		253.03	1.28	-202.03	1	U.S. Geological Survey	Steel Tape		
P	1/3/1991		257.16	4.13	-206.16	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		263.56	6.40	-212.56	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		256.66	(6.90)	-205.66	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		255.89	(0.77)	-204.89	1	U.S. Geological Survey	Steel Tape		
P	4/26/1991		255.72	(0.17)	-204.72	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		255.19	(0.53)	-204.19	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		254.14	(1.05)	-203.14	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		253.77	(0.37)	-202.77	1	U.S. Geological Survey	Steel Tape		
P	8/15/1991		253.51	(0.26)	-202.51	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		253.71	0.20	-202.71	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		252.63	(1.08)	-201.63	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/8/1991		252.06	(0.57)	-201.06	1	U.S. Geological Survey	Steel Tape		
P	12/6/1991		251.22	(0.84)	-200.22	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		250.76	(0.46)	-199.76	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		247.53	(3.23)	-196.53	1	U.S. Geological Survey	Steel Tape		
P	2/25/1992		238.18	(9.35)	-187.18	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		246.64	8.46	-195.64	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		244.78	(1.86)	-193.78	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		243.21	(1.57)	-192.21	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		242.2	(1.01)	-191.2	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		241.3	(0.90)	-190.3	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		240.77	(0.53)	-189.77	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		240.28	(0.49)	-189.28	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		240.13	(0.15)	-189.13	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		240.35	0.22	-189.35	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		240.4	0.05	-189.4	1	U.S. Geological Survey	Steel Tape		
P	12/2/1992		240.23	(0.17)	-189.23	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		239.25	(0.98)	-188.25	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		238.59	(0.66)	-187.59	1	U.S. Geological Survey	Steel Tape		
P	2/25/1993		238.18	(0.41)	-187.18	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		241.02	2.84	-190.02	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		236.34	(4.68)	-185.34	1	U.S. Geological Survey	Steel Tape		
P	5/19/1993		234.74	(1.60)	-183.74	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		243.67	8.93	-192.67	1	U.S. Geological Survey	Steel Tape		
P	7/15/1993		234.39	(9.28)	-183.39	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		234.51	0.12	-183.51	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		235.87	1.36	-184.87	1	U.S. Geological Survey	Steel Tape		
P	10/7/1993		237.09	1.22	-186.09	1	U.S. Geological Survey	Steel Tape		
P	11/5/1993		237.89	0.80	-186.89	1	U.S. Geological Survey	Steel Tape		
P	12/29/1993		238.11	0.22	-187.11	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		237.2	(0.91)	-186.2	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		242.66	5.46	-191.66	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		242.35	(0.31)	-191.35	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		235.54	(6.81)	-184.54	1	U.S. Geological Survey	Steel Tape		
P	5/20/1994		231.89	(3.65)	-180.89	1	U.S. Geological Survey	Steel Tape		
P	6/16/1994		231.43	(0.46)	-180.43	1	U.S. Geological Survey	Steel Tape		
P	7/14/1994		231.68	0.25	-180.68	1	U.S. Geological Survey	Steel Tape		
P	9/13/1994		233.85	2.17	-182.85	1	U.S. Geological Survey	Steel Tape		
P	1/27/1995		230.22	(3.63)	-179.22	1	U.S. Geological Survey	Steel Tape		
P	10/12/1995		230.12	(0.10)	-179.12	1	U.S. Geological Survey	Steel Tape		
P	11/21/1995		230.41	0.29	-179.41	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		230.16	(0.25)	-179.16	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		228.54	(1.62)	-177.54	1	U.S. Geological Survey	Steel Tape		

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P	1/25/1996		227.37	(1.17)	-176.37	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		227.38	0.01	-176.38	1	U.S. Geological Survey	Steel Tape		
P	3/21/1996		225.52	(1.86)	-174.52	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		224.95	(0.57)	-173.95	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		224.99	0.04	-173.99	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		225.73	0.74	-174.73	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		226.74	1.01	-175.74	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		228.08	1.34	-177.08	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		228.16	0.08	-177.16	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		223.4	(4.76)	-172.4	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		222.02	(1.38)	-171.02	1	U.S. Geological Survey	Steel Tape		
P	1/23/1998		215.87	(6.15)	-164.87	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		214.01	(1.86)	-163.01	1	U.S. Geological Survey	Steel Tape		
P	3/19/1998		212.14	(1.87)	-161.14	1	U.S. Geological Survey	Steel Tape		
P	4/15/1998		210.9	(1.24)	-159.9	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		210.43	(0.47)	-159.43	1	U.S. Geological Survey	Steel Tape		
P	6/11/1998		211.14	0.71	-160.14	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		213.02	1.88	-162.02	1	U.S. Geological Survey	Steel Tape		
P	8/11/1998		213.28	0.26	-162.28	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		217.7	4.42	-166.7	1	U.S. Geological Survey	Steel Tape		
P	10/5/1998		218.76	1.06	-167.76	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		218.09	(0.67)	-167.09	1	U.S. Geological Survey	Steel Tape		
P	11/24/1998		218.52	0.43	-167.52	1	U.S. Geological Survey	Steel Tape		
P	12/16/1998		218.01	(0.51)	-167.01	1	U.S. Geological Survey	Steel Tape		
P	1/14/1999		216.65	(1.36)	-165.65	1	U.S. Geological Survey	Unknown		
P	2/16/1999		215.32	(1.33)	-164.32	1	U.S. Geological Survey	Unknown		
P	3/15/1999		215.57	0.25	-164.57	1	U.S. Geological Survey	Steel Tape		
P	4/8/1999		211.51	(4.06)	-160.51	1	U.S. Geological Survey	Steel Tape		
P	5/7/1999		211.42	(0.09)	-160.42	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		212.03	0.61	-161.03	1	U.S. Geological Survey	Steel Tape		
P	7/2/1999		213.38	1.35	-162.38	1	U.S. Geological Survey	Steel Tape		
P	7/28/1999		214.2	0.82	-163.2	1	U.S. Geological Survey	Steel Tape		
P	8/27/1999		211.64	(2.56)	-160.64	1	U.S. Geological Survey	Steel Tape		
P	9/27/1999		212.73	1.09	-161.73	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		212.32	(0.41)	-161.32	1	U.S. Geological Survey	Steel Tape		
P	11/22/1999		211.97	(0.35)	-160.97	1	U.S. Geological Survey	Steel Tape		
P	12/23/1999		215.21	3.24	-164.21	1	U.S. Geological Survey	Steel Tape		
P	1/12/2000		214.58	(0.63)	-163.58	1	U.S. Geological Survey	Steel Tape		
P	2/11/2000		213.44	(1.14)	-162.44	1	U.S. Geological Survey	Steel Tape		
P	3/11/2000		213	(0.44)	-162	1	U.S. Geological Survey	Steel Tape		
P	4/6/2000		213.31	0.31	-162.31	1	U.S. Geological Survey	Steel Tape		
P	5/8/2000		213.5	0.19	-162.5	1	U.S. Geological Survey	Steel Tape		

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P	5/31/2000		213.92	0.42	-162.92	1	U.S. Geological Survey	Steel Tape		
P	6/29/2000		213.43	(0.49)	-162.43	1	U.S. Geological Survey	Steel Tape		
P	7/27/2000		213.95	0.52	-162.95	1	U.S. Geological Survey	Steel Tape		
P	8/23/2000		215.1	1.15	-164.1	1	U.S. Geological Survey	Steel Tape		
P	9/21/2000		217.63	2.53	-166.63	1	U.S. Geological Survey	Steel Tape		
P	10/23/2000		216.88	(0.75)	-165.88	1	U.S. Geological Survey	Steel Tape		
P	11/21/2000		216.1	(0.78)	-165.1	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		215.4	(0.70)	-164.4	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		215.29	(0.11)	-164.29	1	U.S. Geological Survey	Steel Tape		
P	2/8/2001		215.34	0.05	-164.34	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		210.88	(4.46)	-159.88	1	U.S. Geological Survey	Steel Tape		
P	4/5/2001		206.54	(4.34)	-155.54	1	U.S. Geological Survey	Steel Tape		
P	5/3/2001		207.26	0.72	-156.26	1	U.S. Geological Survey	Steel Tape		
P	5/30/2001		209.68	2.42	-158.68	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		207.92	(1.76)	-156.92	1	U.S. Geological Survey	Steel Tape		
P	7/27/2001		209.02	1.10	-158.02	1	U.S. Geological Survey	Steel Tape		
P	8/23/2001		215.72	6.70	-164.72	1	U.S. Geological Survey	Steel Tape		
P	9/21/2001		218.07	2.35	-167.07	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		216.38	(1.69)	-165.38	1	U.S. Geological Survey	Steel Tape		
P	11/15/2001		218.47	2.09	-167.47	1	U.S. Geological Survey	Steel Tape		
P	12/19/2001		211.44	(7.03)	-160.44	1	U.S. Geological Survey	Steel Tape		
P	1/11/2002		207.95	(3.49)	-156.95	1	U.S. Geological Survey	Steel Tape		
P	2/6/2002		207.28	(0.67)	-156.28	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		206.36	(0.92)	-155.36	1	U.S. Geological Survey	Steel Tape		
P	4/3/2002		207.59	1.23	-156.59	1	U.S. Geological Survey	Steel Tape		
P	5/3/2002		203.8	(3.79)	-152.8	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		200.11	(3.69)	-149.11	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		210.48	10.37	-159.48	1	U.S. Geological Survey	Steel Tape		
P	7/24/2002		205.43	(5.05)	-154.43	1	U.S. Geological Survey	Steel Tape		
P	8/22/2002		200.11	(5.32)	-149.11	1	U.S. Geological Survey	Steel Tape		
P	9/20/2002		203.44	3.33	-152.44	1	U.S. Geological Survey	Steel Tape		
P	10/18/2002		204.63	1.19	-153.63	1	U.S. Geological Survey	Steel Tape		
P	11/15/2002		202.44	(2.19)	-151.44	1	U.S. Geological Survey	Steel Tape		
P	12/13/2002		199.25	(3.19)	-148.25	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		202.64	3.39	-151.64	1	U.S. Geological Survey	Steel Tape		
P	2/6/2003		200.99	(1.65)	-149.99	1	U.S. Geological Survey	Steel Tape		
P	3/6/2003		200.14	(0.85)	-149.14	1	U.S. Geological Survey	Steel Tape		
P	4/2/2003		200.67	0.53	-149.67	1	U.S. Geological Survey	Steel Tape		
P	5/2/2003		202.33	1.66	-151.33	1	U.S. Geological Survey	Steel Tape		
P	5/28/2003		200.97	(1.36)	-149.97	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		199.67	(1.30)	-148.67	1	U.S. Geological Survey	Steel Tape		
P	7/24/2003		199.49	(0.18)	-148.49	1	U.S. Geological Survey	Steel Tape		

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P	8/25/2003		198.35	(1.14)	-147.35	1	U.S. Geological Survey	Steel Tape		
P	9/19/2003		197.27	(1.08)	-146.27	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		196.72	(0.55)	-145.72	1	U.S. Geological Survey	Steel Tape		
P	11/13/2003		197.19	0.47	-146.19	1	U.S. Geological Survey	Steel Tape		
P	12/11/2003		199.12	1.93	-148.12	1	U.S. Geological Survey	Steel Tape		
P	1/12/2004		196.91	(2.21)	-145.91	1	U.S. Geological Survey	Steel Tape		
P	2/5/2004		197.12	0.21	-146.12	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		194.56	(2.56)	-143.56	1	U.S. Geological Survey	Steel Tape		
P	3/30/2004		190.42	(4.14)	-139.42	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		192.09	1.67	-141.09	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		191.14	(0.95)	-140.14	1	U.S. Geological Survey	Steel Tape		
X	6/5/2004					1	U.S. Geological Survey		28	
X	6/10/2004					1	U.S. Geological Survey		28	
X	6/15/2004					1	U.S. Geological Survey		28	
X	6/20/2004					1	U.S. Geological Survey		28	
P	6/22/2004		187.83		-136.83	1	U.S. Geological Survey	Steel Tape		
X	6/25/2004					1	U.S. Geological Survey		28	
X	6/30/2004					1	U.S. Geological Survey		28	
P	7/2/2004		188.19		-137.19	1	U.S. Geological Survey	Steel Tape		
X	7/5/2004					1	U.S. Geological Survey		28	
P	7/10/2004		188.25		-137.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2004		188.09	(0.16)	-137.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2004		188.01	(0.08)	-137.01	1	U.S. Geological Survey	Steel Tape		
P	7/25/2004		187.9	(0.11)	-136.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2004		187.77	(0.13)	-136.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2004		187.72	(0.05)	-136.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2004		187.68	(0.04)	-136.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2004		187.68	0.00	-136.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/16/2004		187.63	(0.05)	-136.63	1	U.S. Geological Survey	Steel Tape		
P	8/20/2004		187.62	(0.01)	-136.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2004		187.55	(0.07)	-136.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	8/30/2004		187.55	0.00	-136.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2004		187.49	(0.06)	-136.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2004		187.51	0.02	-136.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2004		187.43	(0.08)	-136.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2004		187.58	0.15	-136.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2004		187.71	0.13	-136.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2004		187.86	0.15	-136.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2004		188.02	0.16	-137.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2004		188.05	0.03	-137.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/12/2004		188.15	0.10	-137.15	1	U.S. Geological Survey	Steel Tape		
P	10/15/2004		188.13	(0.02)	-137.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2004		188.16	0.03	-137.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2004		188.15	(0.01)	-137.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2004		188.16	0.01	-137.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2004		188.05	(0.11)	-137.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/8/2004		188.04	(0.01)	-137.04	1	U.S. Geological Survey	Steel Tape		
P	11/10/2004		187.99	(0.05)	-136.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2004		188.05	0.06	-137.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2004		187.82	(0.23)	-136.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2004		187.73	(0.09)	-136.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	11/30/2004		187.65	(0.08)	-136.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2004		187.5	(0.15)	-136.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/6/2004		187.46	(0.04)	-136.46	1	U.S. Geological Survey	Steel Tape		
P	12/10/2004		187.41	(0.05)	-136.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2004		187.38	(0.03)	-136.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2004		187.16	(0.22)	-136.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2004		187.05	(0.11)	-136.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2004		186.91	(0.14)	-135.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2005		186.71	(0.20)	-135.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/6/2005		186.73	0.02	-135.73	1	U.S. Geological Survey	Steel Tape		
P	1/10/2005		186.61	(0.12)	-135.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2005		186.51	(0.10)	-135.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2005		186.3	(0.21)	-135.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2005		186.13	(0.17)	-135.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2005		185.94	(0.19)	-134.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/2/2005		185.81	(0.13)	-134.81	1	U.S. Geological Survey	Steel Tape		
P	2/5/2005		185.74	(0.07)	-134.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2005		185.55	(0.19)	-134.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2005		185.3	(0.25)	-134.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2005		185.12	(0.18)	-134.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2005		184.93	(0.19)	-133.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/2/2005		184.72	(0.21)	-133.72	1	U.S. Geological Survey	Steel Tape		
P	3/5/2005		184.67	(0.05)	-133.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2005		184.46	(0.21)	-133.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2005		184.31	(0.15)	-133.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2005		184.1	(0.21)	-133.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2005		183.98	(0.12)	-132.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/28/2005		183.92	(0.06)	-132.92	1	U.S. Geological Survey	Steel Tape		
P	3/30/2005		183.84	(0.08)	-132.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2005		183.73	(0.11)	-132.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2005		183.62	(0.11)	-132.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2005		183.59	(0.03)	-132.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2005		183.46	(0.13)	-132.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2005		183.36	(0.10)	-132.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2005		183.33	(0.03)	-132.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2005		183.32	(0.01)	-132.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2005		183.1	(0.22)	-132.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/12/2005		182.96	(0.14)	-131.96	1	U.S. Geological Survey	Steel Tape		
P	5/15/2005		183.1	0.14	-132.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2005		183.08	(0.02)	-132.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2005		182.98	(0.10)	-131.98	1	U.S. Geological Survey	Steel Tape		
P	5/30/2005		182.98	0.00	-131.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/5/2005		182.94	(0.04)	-131.94	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/10/2005		182.99	0.05	-131.99	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/15/2005		183.13	0.14	-132.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2005		183.31	0.18	-132.31	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/22/2005		183.43	0.12	-132.43	1	U.S. Geological Survey	Steel Tape		
P	6/25/2005		183.56	0.13	-132.56	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/30/2005		183.83	0.27	-132.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
X	7/5/2005					1	Groundwater Conservation District		28	
P	7/10/2005		184.53		-133.53	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/15/2005		184.79	0.26	-133.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/19/2005		185.18	0.39	-134.18	1	U.S. Geological Survey	Steel Tape		
P	7/20/2005		185.24	0.06	-134.24	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/25/2005		185.58	0.34	-134.58	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/30/2005		185.95	0.37	-134.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2005		186.34	0.39	-135.34	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/10/2005		186.57	0.23	-135.57	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/15/2005		186.85	0.28	-135.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/18/2005		186.99	0.14	-135.99	1	U.S. Geological Survey	Steel Tape		
P	8/20/2005		187.1	0.11	-136.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/25/2005		187.32	0.22	-136.32	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/30/2005		187.41	0.09	-136.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/26/2005		188.22	0.81	-137.22	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/18/2005		189.23	1.01	-138.23	1	U.S. Geological Survey	Steel Tape		
P	11/17/2005		191.22	1.99	-140.22	1	U.S. Geological Survey	Steel Tape		
P	12/7/2005		192.01	0.79	-141.01	1	U.S. Geological Survey	Steel Tape		
P	12/15/2005		192.16	0.15	-141.16	1	U.S. Geological Survey	Steel Tape		
P	1/6/2006		193	0.84	-142	1	U.S. Geological Survey	Steel Tape		
P	2/6/2006		193.5	0.50	-142.5	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		192.52	(0.98)	-141.52	1	U.S. Geological Survey	Steel Tape		
P	4/4/2006		191.46	(1.06)	-140.46	1	U.S. Geological Survey	Steel Tape		
P	4/21/2006		191.92	0.46	-140.92	1	U.S. Geological Survey	Steel Tape		
P	4/24/2006		190.79	(1.13)	-139.79	1	U.S. Geological Survey	Steel Tape		
P	4/25/2006		190.77	(0.02)	-139.77	1	U.S. Geological Survey	Steel Tape		
P	4/27/2006		190.78	0.01	-139.78	1	U.S. Geological Survey	Steel Tape		
P	5/1/2006		190.54	(0.24)	-139.54	1	U.S. Geological Survey	Steel Tape		
P	5/3/2006		190.53	(0.01)	-139.53	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		189.87	(0.66)	-138.87	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		189	(0.87)	-138	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		188.5	(0.50)	-137.5	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		188.07	(0.43)	-137.07	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		187.52	(0.55)	-136.52	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		186.9	(0.62)	-135.9	1	U.S. Geological Survey	Steel Tape		
P	11/16/2006		186.67	(0.23)	-135.67	1	U.S. Geological Survey	Steel Tape		
P	12/14/2006		186.46	(0.21)	-135.46	1	U.S. Geological Survey	Steel Tape		
P	1/10/2007		185.57	(0.89)	-134.57	1	U.S. Geological Survey	Steel Tape		
P	2/6/2007		184.41	(1.16)	-133.41	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		183.03	(1.38)	-132.03	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		181.79	(1.24)	-130.79	1	U.S. Geological Survey	Steel Tape		
P	5/18/2007		181.56	(0.23)	-130.56	1	U.S. Geological Survey	Steel Tape		
P	6/4/2007		180.92	(0.64)	-129.92	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		180.28	(0.64)	-129.28	1	U.S. Geological Survey	Steel Tape		
P	7/24/2007		179.55	(0.73)	-128.55	1	U.S. Geological Survey	Steel Tape		
P	7/31/2007		179.26	(0.29)	-128.26	1	U.S. Geological Survey	Steel Tape		
P	8/21/2007		178.7	(0.56)	-127.7	1	U.S. Geological Survey	Steel Tape		
P	8/23/2007		178.66	(0.04)	-127.66	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		177.96	(0.70)	-126.96	1	U.S. Geological Survey	Steel Tape		
P	10/19/2007		177.59	(0.37)	-126.59	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		177.45	(0.14)	-126.45	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		177.09	(0.36)	-126.09	1	U.S. Geological Survey	Steel Tape		
P	1/4/2008		176.69	(0.40)	-125.69	1	U.S. Geological Survey	Steel Tape		
P	2/11/2008		175.53	(1.16)	-124.53	1	U.S. Geological Survey	Steel Tape		
P	3/12/2008		174.62	(0.91)	-123.62	1	U.S. Geological Survey	Steel Tape		
P	4/7/2008		173.93	(0.69)	-122.93	1	U.S. Geological Survey	Steel Tape		
P	5/12/2008		173.36	(0.57)	-122.36	1	U.S. Geological Survey	Steel Tape		

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P	6/12/2008		173.67	0.31	-122.67	1	U.S. Geological Survey	Electric Line		
P	7/11/2008		174.37	0.70	-123.37	1	U.S. Geological Survey	Electric Line		
P	8/28/2008		175.74	1.37	-124.74	1	U.S. Geological Survey	Electric Line		
P	10/1/2008		176.29	0.55	-125.29	1	U.S. Geological Survey	Electric Line		
P	10/29/2008		177.21	0.92	-126.21	1	U.S. Geological Survey	Electric Line		
P	11/25/2008		177.67	0.46	-126.67	1	U.S. Geological Survey	Electric Line		
P	12/19/2008		177.89	0.22	-126.89	1	U.S. Geological Survey	Electric Line		
P	1/23/2009		178.45	0.56	-127.45	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		179.31	0.86	-128.31	1	U.S. Geological Survey	Steel Tape		
P	4/1/2009		179.54	0.23	-128.54	1	U.S. Geological Survey	Electric Line		
P	4/30/2009		179.67	0.13	-128.67	1	U.S. Geological Survey	Electric Line		
P	5/28/2009		180.14	0.47	-129.14	1	U.S. Geological Survey	Electric Line		
P	6/24/2009		181.45	1.31	-130.45	1	U.S. Geological Survey	Electric Line		
P	6/29/2009		181.78	0.33	-130.78	1	U.S. Geological Survey	Electric Line		
P	7/21/2009		183.19	1.41	-132.19	1	U.S. Geological Survey	Electric Line		
P	8/18/2009		185	1.81	-134	1	U.S. Geological Survey	Electric Line		
P	9/16/2009		186.18	1.18	-135.18	1	U.S. Geological Survey	Electric Line		
P	10/15/2009		186.3	0.12	-135.3	1	U.S. Geological Survey	Electric Line		
P	11/10/2009		185.89	(0.41)	-134.89	1	U.S. Geological Survey	Electric Line		
P	12/9/2009		185.16	(0.73)	-134.16	1	U.S. Geological Survey	Electric Line		
P	1/6/2010		183.89	(1.27)	-132.89	1	U.S. Geological Survey	Steel Tape		
P	2/10/2010		182.64	(1.25)	-131.64	1	U.S. Geological Survey	Electric Line		
P	3/11/2010		181.79	(0.85)	-130.79	1	U.S. Geological Survey	Electric Line		
P	3/30/2010		181.46	(0.33)	-130.46	1	U.S. Geological Survey	Electric Line		
P	5/4/2010		180.92	(0.54)	-129.92	1	U.S. Geological Survey	Electric Line		
P	6/3/2010		180.73	(0.19)	-129.73	1	U.S. Geological Survey	Electric Line		
P	6/29/2010		180.44	(0.29)	-129.44	1	U.S. Geological Survey	Electric Line		
P	7/27/2010		179.64	(0.80)	-128.64	1	U.S. Geological Survey	Electric Line		
P	8/31/2010		179.47	(0.17)	-128.47	1	U.S. Geological Survey	Electric Line		
P	9/23/2010		179.22	(0.25)	-128.22	1	U.S. Geological Survey	Electric Line		
P	10/19/2010		179.07	(0.15)	-128.07	1	U.S. Geological Survey	Electric Line		
P	11/18/2010		178.49	(0.58)	-127.49	1	U.S. Geological Survey	Electric Line		
P	12/13/2010		177.95	(0.54)	-126.95	1	U.S. Geological Survey	Electric Line		
P	1/5/2011		177.04	(0.91)	-126.04	1	U.S. Geological Survey	Electric Line		
P	2/1/2011		175.91	(1.13)	-124.91	1	U.S. Geological Survey	Electric Line		
P	3/1/2011		174.95	(0.96)	-123.95	1	U.S. Geological Survey	Electric Line		
P	3/30/2011		174.15	(0.80)	-123.15	1	U.S. Geological Survey	Electric Line		
P	5/20/2011		174.13	(0.02)	-123.13	1	U.S. Geological Survey	Steel Tape		
P	6/7/2011		174.47	0.34	-123.47	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		175.98	1.51	-124.98	1	U.S. Geological Survey	Electric Line		
P	8/3/2011		177.88	1.90	-126.88	1	U.S. Geological Survey	Electric Line		
P	9/7/2011		181.22	3.34	-130.22	1	U.S. Geological Survey	Electric Line		

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P	10/6/2011		184.33	3.11	-133.33	1	U.S. Geological Survey	Electric Line		
P	11/2/2011		185.93	1.60	-134.93	1	U.S. Geological Survey	Electric Line		
P	11/30/2011		186.51	0.58	-135.51	1	U.S. Geological Survey	Electric Line		
P	12/30/2011		185.87	(0.64)	-134.87	1	U.S. Geological Survey	Electric Line		
P	1/23/2012		184.74	(1.13)	-133.74	1	U.S. Geological Survey	Electric Line		
P	2/23/2012		183.51	(1.23)	-132.51	1	U.S. Geological Survey	Electric Line		
P	3/21/2012		182.63	(0.88)	-131.63	1	U.S. Geological Survey	Electric Line		
P	4/18/2012		181.51	(1.12)	-130.51	1	U.S. Geological Survey	Electric Line		
P	5/17/2012		180.39	(1.12)	-129.39	1	U.S. Geological Survey	Electric Line		
P	6/12/2012		180.04	(0.35)	-129.04	1	U.S. Geological Survey	Electric Line		
P	7/5/2012		180.13	0.09	-129.13	1	U.S. Geological Survey	Electric Line		
P	8/6/2012		180.23	0.10	-129.23	1	U.S. Geological Survey	Electric Line		
P	9/5/2012		180.89	0.66	-129.89	1	U.S. Geological Survey	Electric Line		
P	10/15/2012		181.56	0.67	-130.56	1	U.S. Geological Survey	Steel Tape		
P	11/7/2012		181.51	(0.05)	-130.51	1	U.S. Geological Survey	Electric Line		
P	12/4/2012		181.11	(0.40)	-130.11	1	U.S. Geological Survey	Electric Line		
P	1/8/2013		179.82	(1.29)	-128.82	1	U.S. Geological Survey	Steel Tape		
P	2/22/2013		177.95	(1.87)	-126.95	1	U.S. Geological Survey	Electric Line		
P	4/2/2013		176.53	(1.42)	-125.53	1	U.S. Geological Survey	Electric Line		
P	4/29/2013		175.43	(1.10)	-124.43	1	U.S. Geological Survey	Electric Line		
P	5/30/2013		174.58	(0.85)	-123.58	1	U.S. Geological Survey	Electric Line		
P	6/21/2013		174.21	(0.37)	-123.21	1	U.S. Geological Survey	Electric Line		
P	7/23/2013		174.47	0.26	-123.47	1	U.S. Geological Survey	Electric Line		
P	8/5/2013		174.85	0.38	-123.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2013		175.07	0.22	-124.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2013		175.2	0.13	-124.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2013		175.38	0.18	-124.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2013		175.62	0.24	-124.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/29/2013		175.82	0.20	-124.82	1	U.S. Geological Survey	Electric Line		
P	8/30/2013		175.84	0.02	-124.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2013		176.14	0.30	-125.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2013		176.33	0.19	-125.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/15/2013		176.53	0.20	-125.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2013		176.62	0.09	-125.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/2013		176.78	0.16	-125.78	1	U.S. Geological Survey	Electric Line		
P	9/25/2013		176.8	0.02	-125.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2013		176.94	0.14	-125.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2013		177.12	0.18	-126.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2013		177.3	0.18	-126.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2013		177.41	0.11	-126.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2013		177.44	0.03	-126.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/21/2013		177.46	0.02	-126.46	1	U.S. Geological Survey	Electric Line		
P	10/25/2013		177.59	0.13	-126.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2013		177.5	(0.09)	-126.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2013		177.49	(0.01)	-126.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2013		177.54	0.05	-126.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2013		177.46	(0.08)	-126.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2013		177.45	(0.01)	-126.45	1	U.S. Geological Survey	Electric Line		
P	11/25/2013		177.25	(0.20)	-126.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2013		177.23	(0.02)	-126.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2013		177.08	(0.15)	-126.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2013		177.06	(0.02)	-126.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2013		176.93	(0.13)	-125.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/19/2013		176.78	(0.15)	-125.78	1	U.S. Geological Survey	Electric Line		
P	12/20/2013		176.7	(0.08)	-125.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2013		176.62	(0.08)	-125.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2013		176.48	(0.14)	-125.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2014		176.24	(0.24)	-125.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2014		176.05	(0.19)	-125.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2014		175.99	(0.06)	-124.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2014		175.76	(0.23)	-124.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2014		175.59	(0.17)	-124.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/27/2014		175.55	(0.04)	-124.55	1	U.S. Geological Survey	Electric Line		
P	1/30/2014		175.4	(0.15)	-124.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2014		175.22	(0.18)	-124.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2014		175	(0.22)	-124	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2014		174.83	(0.17)	-123.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2014		174.59	(0.24)	-123.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2014		174.41	(0.18)	-123.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2014		174.24	(0.17)	-123.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/3/2014		174.26	0.02	-123.26	1	U.S. Geological Survey	Electric Line		
P	3/5/2014		174.08	(0.18)	-123.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2014		173.88	(0.20)	-122.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2014		173.6	(0.28)	-122.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/20/2014		173.52	(0.08)	-122.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2014		173.39	(0.13)	-122.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2014		173.17	(0.22)	-122.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/3/2014		173.02	(0.15)	-122.02	1	U.S. Geological Survey	Electric Line		
P	4/5/2014		172.94	(0.08)	-121.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2014		172.81	(0.13)	-121.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2014		172.63	(0.18)	-121.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2014		172.46	(0.17)	-121.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2014		172.28	(0.18)	-121.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2014		172.18	(0.10)	-121.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2014		172.08	(0.10)	-121.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2014		171.98	(0.10)	-120.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2014		171.85	(0.13)	-120.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2014	1302	171.87	0.02	-120.87	1	U.S. Geological Survey	Electric Line		
P	5/20/2014		171.84	(0.03)	-120.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2014		171.85	0.01	-120.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2014		171.66	(0.19)	-120.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2014		171.71	0.05	-120.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/9/2014		171.75	0.04	-120.75	1	U.S. Geological Survey	Electric Line		
P	6/10/2014		171.74	(0.01)	-120.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2014		171.88	0.14	-120.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/20/2014		172.04	0.16	-121.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2014		172.21	0.17	-121.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2014		172.37	0.16	-121.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2014		172.56	0.19	-121.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2014		172.7	0.14	-121.7	1	U.S. Geological Survey	Electric Line		
P	7/15/2014		172.81	0.11	-121.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2014		172.95	0.14	-121.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2014		173.1	0.15	-122.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2014		173.18	0.08	-122.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2014		173.27	0.09	-122.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2014		173.4	0.13	-122.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/12/2014		173.48	0.08	-122.48	1	U.S. Geological Survey	Electric Line		
P	8/15/2014		173.54	0.06	-122.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2014		173.63	0.09	-122.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2014		173.76	0.13	-122.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2014		173.86	0.10	-122.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/3/2014		173.94	0.08	-122.94	1	U.S. Geological Survey	Electric Line		
P	9/5/2014		173.94	0.00	-122.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2014		173.95	0.01	-122.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2014		173.97	0.02	-122.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2014		173.81	(0.16)	-122.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/25/2014		173.89	0.08	-122.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2014		173.85	(0.04)	-122.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2014		173.84	(0.01)	-122.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2014		173.88	0.04	-122.88	1	U.S. Geological Survey	Electric Line		
P	10/15/2014		173.8	(0.08)	-122.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2014		173.79	(0.01)	-122.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2014		173.83	0.04	-122.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2014		173.84	0.01	-122.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2014		173.83	(0.01)	-122.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/6/2014		173.87	0.04	-122.87	1	U.S. Geological Survey	Electric Line		
P	11/10/2014		173.79	(0.08)	-122.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2014		173.83	0.04	-122.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2014		173.79	(0.04)	-122.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2014		173.72	(0.07)	-122.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2014		173.64	(0.08)	-122.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2014		173.57	(0.07)	-122.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2014		173.51	(0.06)	-122.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/11/2014		173.55	0.04	-122.55	1	U.S. Geological Survey	Steel Tape		
P	12/15/2014		173.38	(0.17)	-122.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2014		173.19	(0.19)	-122.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2014		173.07	(0.12)	-122.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/30/2014		172.91	(0.16)	-121.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2015		172.7	(0.21)	-121.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2015		172.48	(0.22)	-121.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2015		172.28	(0.20)	-121.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2015	1311	172.32	0.04	-121.32	1	U.S. Geological Survey	Electric Line		
P	1/20/2015		172.05	(0.27)	-121.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2015		171.89	(0.16)	-120.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2015		171.81	(0.08)	-120.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2015		171.66	(0.15)	-120.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2015		171.51	(0.15)	-120.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2015		171.43	(0.08)	-120.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2015		171.31	(0.12)	-120.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/2015		171.33	0.02	-120.33	1	U.S. Geological Survey	Electric Line		
P	2/25/2015		171.23	(0.10)	-120.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2015		171.26	0.03	-120.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2015		171.17	(0.09)	-120.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2015		170.94	(0.23)	-119.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2015		170.92	(0.02)	-119.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2015		170.77	(0.15)	-119.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2015		170.63	(0.14)	-119.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/30/2015		170.57	(0.06)	-119.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/1/2015		170.54	(0.03)	-119.54	1	U.S. Geological Survey	Electric Line		
P	4/5/2015		170.43	(0.11)	-119.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2015		170.36	(0.07)	-119.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2015		170.17	(0.19)	-119.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2015		169.96	(0.21)	-118.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2015		169.83	(0.13)	-118.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/27/2015	1102	169.66	(0.17)	-118.66	1	U.S. Geological Survey	Electric Line		
P	4/30/2015		169.65	(0.01)	-118.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2015		169.56	(0.09)	-118.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2015		169.49	(0.07)	-118.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2015		169.26	(0.23)	-118.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/18/2015	0911	169.3	0.04	-118.3	1	U.S. Geological Survey	Electric Line		
P	5/20/2015		169.24	(0.06)	-118.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2015		168.97	(0.27)	-117.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2015		168.98	0.01	-117.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2015		168.94	(0.04)	-117.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2015		168.86	(0.08)	-117.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2015		168.68	(0.18)	-117.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2015		168.62	(0.06)	-117.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2015		168.58	(0.04)	-117.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/25/2015	1321	168.62	0.04	-117.62	1	U.S. Geological Survey	Electric Line		
P	6/30/2015		168.38	(0.24)	-117.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2015		168.4	0.02	-117.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2015		168.37	(0.03)	-117.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2015		168.35	(0.02)	-117.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2015		168.38	0.03	-117.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/22/2015	1335	168.41	0.03	-117.41	1	U.S. Geological Survey	Electric Line		
P	7/25/2015		168.4	(0.01)	-117.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2015		168.47	0.07	-117.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2015		168.58	0.11	-117.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2015		168.74	0.16	-117.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2015		168.96	0.22	-117.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2015		169.1	0.14	-118.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2015		169.33	0.23	-118.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2015		169.63	0.30	-118.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2015		169.95	0.32	-118.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2015		169.98	0.03	-118.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2015	1231	170.28	0.30	-119.28	1	U.S. Geological Survey	Electric Line		
P	9/15/2015		170.51	0.23	-119.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2015		170.75	0.24	-119.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2015		171.06	0.31	-120.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/30/2015		171.18	0.12	-120.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2015	1050	171.28	0.10	-120.28	1	U.S. Geological Survey	Electric Line		
P	10/2/2015	1200	171.39	0.11	-120.39	1	U.S. Geological Survey	Electric Line		
P	10/5/2015		170.43	(0.96)	-119.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2015		167.75	(2.68)	-116.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2015		167.58	(0.17)	-116.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2015		167.56	(0.02)	-116.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2015		171.31	3.75	-120.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/26/2015	1135	171.8	0.49	-120.8	1	U.S. Geological Survey	Electric Line		
P	10/30/2015		171.8	0.00	-120.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2015		171.73	(0.07)	-120.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2015		171.71	(0.02)	-120.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2015		171.71	0.00	-120.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2015		171.58	(0.13)	-120.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2015		171.54	(0.04)	-120.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2015	0944	171.78	0.24	-120.78	1	U.S. Geological Survey	Electric Line		
P	11/30/2015		171.65	(0.13)	-120.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2015		171.69	0.04	-120.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2015		171.58	(0.11)	-120.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2015		171.48	(0.10)	-120.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2015		171.53	0.05	-120.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/25/2015		171.49	(0.04)	-120.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/28/2015	0946	171.46	(0.03)	-120.46	1	U.S. Geological Survey	Electric Line		
P	12/30/2015		171.53	0.07	-120.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2016		171.55	0.02	-120.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2016		171.51	(0.04)	-120.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2016		171.47	(0.04)	-120.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2016		171.54	0.07	-120.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2016	0848	171.59	0.05	-120.59	1	U.S. Geological Survey	Electric Line		
P	1/25/2016		171.54	(0.05)	-120.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2016		171.48	(0.06)	-120.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2016		171.52	0.04	-120.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2016		171.49	(0.03)	-120.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2016		171.41	(0.08)	-120.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2016		171.46	0.05	-120.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2016		171.44	(0.02)	-120.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/1/2016	1510	171.37	(0.07)	-120.37	1	U.S. Geological Survey	Electric Line		
P	3/5/2016	0300	171.39	0.02	-120.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2016	0500	171.2	(0.19)	-120.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2016	0300	171.26	0.06	-120.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2016	0000	171.35	0.09	-120.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2016	2100	171.25	(0.10)	-120.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/30/2016	1900	171.24	(0.01)	-120.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/31/2016	1216	171.27	0.03	-120.27	1	U.S. Geological Survey	Electric Line		
P	4/5/2016	1800	171.36	0.09	-120.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2016	2100	171.37	0.01	-120.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2016	0500	171.37	0.00	-120.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2016	0500	171.3	(0.07)	-120.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2016	0000	171.4	0.10	-120.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2016	0300	171.44	0.04	-120.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/3/2016	1312	171.56	0.12	-120.56	1	U.S. Geological Survey	Electric Line		
P	5/5/2016	0500	171.56	0.00	-120.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2016	0000	171.55	(0.01)	-120.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2016	0300	171.56	0.01	-120.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2016	0500	171.52	(0.04)	-120.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2016	0000	171.57	0.05	-120.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2016	1600	171.5	(0.07)	-120.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/1/2016	1223	171.6	0.10	-120.6	1	U.S. Geological Survey	Electric Line		
P	6/5/2016	0500	171.47	(0.13)	-120.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2016	0000	171.54	0.07	-120.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2016	0200	171.52	(0.02)	-120.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2016	1900	171.57	0.05	-120.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2016	1500	171.52	(0.05)	-120.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/30/2016	0300	171.44	(0.08)	-120.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/1/2016	1043	171.37	(0.07)	-120.37	1	U.S. Geological Survey	Electric Line		
P	7/5/2016	0600	171.33	(0.04)	-120.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2016	0500	171.35	0.02	-120.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2016	0200	171.42	0.07	-120.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2016	0000	171.49	0.07	-120.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2016	0000	171.62	0.13	-120.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2016	0000	171.73	0.11	-120.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/2/2016	1313	172.04	0.31	-121.04	1	U.S. Geological Survey	Electric Line		
P	8/5/2016	0000	172.08	0.04	-121.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2016	0000	172.21	0.13	-121.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2016	1300	172.12	(0.09)	-121.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2016	1800	172.2	0.08	-121.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2016	0000	172.32	0.12	-121.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/1/2016	1347	172.44	0.12	-121.44	1	U.S. Geological Survey	Electric Line		
P	9/5/2016	0000	172.42	(0.02)	-121.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2016	0200	172.48	0.06	-121.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2016	0600	172.55	0.07	-121.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2016	0000	172.66	0.11	-121.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2016	1100	172.61	(0.05)	-121.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/27/2016	1230	172.6	(0.01)	-121.6	1	U.S. Geological Survey	Electric Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/30/2016	1700	172.57	(0.03)	-121.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2016	0000	172.64	0.07	-121.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2016	0200	172.78	0.14	-121.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2016	1900	172.79	0.01	-121.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2016	0100	172.85	0.06	-121.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/24/2016	1428	172.98	0.13	-121.98	1	U.S. Geological Survey	Electric Line		
P	10/25/2016	0200	172.97	(0.01)	-121.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2016	0500	173.06	0.09	-122.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2016	0000	173.2	0.14	-122.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2016	0000	173.31	0.11	-122.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2016	0700	173.39	0.08	-122.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2016	1400	173.56	0.17	-122.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2016	0000	173.64	0.08	-122.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2016	0000	173.67	0.03	-122.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2016	1400	173.69	0.02	-122.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/8/2016	1304	174.02	0.33	-123.02	1	U.S. Geological Survey	Electric Line		
P	12/10/2016	1700	174.06	0.04	-123.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2016	0000	174.17	0.11	-123.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2016	1700	174.31	0.14	-123.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2016	0500	174.33	0.02	-123.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/30/2016	1800	174.51	0.18	-123.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/3/2017	1057	174.34	(0.17)	-123.34	1	U.S. Geological Survey	Electric Line		
P	1/5/2017	0500	174.48	0.14	-123.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2017	0500	174.49	0.01	-123.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2017	1800	174.49	0.00	-123.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2017	2200	174.3	(0.19)	-123.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2017	0100	174.4	0.10	-123.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2017	1700	174.49	0.09	-123.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/31/2017	1343	174.46	(0.03)	-123.46	1	U.S. Geological Survey	Electric Line		
P	2/5/2017	0700	174.4	(0.06)	-123.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2017	1900	174.38	(0.02)	-123.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2017	0000	174.28	(0.10)	-123.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2017	1500	174.11	(0.17)	-123.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2017	1700	174.07	(0.04)	-123.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2017	2100	173.81	(0.26)	-122.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/7/2017	1013	173.88	0.07	-122.88	1	U.S. Geological Survey	Electric Line		
P	3/10/2017	1700	173.78	(0.10)	-122.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2017	2200	173.64	(0.14)	-122.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2017	0000	173.48	(0.16)	-122.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2017	1700	173.2	(0.28)	-122.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2017	2100	172.96	(0.24)	-121.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/31/2017	1323	172.95	(0.01)	-121.95	1	U.S. Geological Survey	Electric Line		
P	4/5/2017	0200	172.03	(0.92)	-121.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2017	1900	171.25	(0.78)	-120.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2017	2100	171.04	(0.21)	-120.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2017	0700	170.94	(0.10)	-119.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2017	1800	171.42	0.48	-120.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2017	0000	171.42	0.00	-120.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2017	0600	171.4	(0.02)	-120.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2017	0000	171.35	(0.05)	-120.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2017	0000	171.28	(0.07)	-120.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2017	0600	171.19	(0.09)	-120.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2017	0600	171.05	(0.14)	-120.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2017	2200	171	(0.05)	-120	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/31/2017	1111	172.2	1.20	-121.2	1	U.S. Geological Survey	Electric Line		
P	6/5/2017	2100	171.96	(0.24)	-120.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2017	0500	171.98	0.02	-120.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2017	0000	171.96	(0.02)	-120.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2017	1700	171.9	(0.06)	-120.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2017	0700	171.72	(0.18)	-120.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2017	0000	171.67	(0.05)	-120.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/5/2017	1800	171.66	(0.01)	-120.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2017	2100	171.58	(0.08)	-120.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2017	2100	171.45	(0.13)	-120.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2017	1800	171.47	0.02	-120.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/21/2017	1252	171.51	0.04	-120.51	1	U.S. Geological Survey	Electric Line		
P	7/25/2017	0000	171.48	(0.03)	-120.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2017	0000	171.47	(0.01)	-120.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2017	1700	171.41	(0.06)	-120.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2017	1900	171.36	(0.05)	-120.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2017	0200	171.37	0.01	-120.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/16/2017	1401	171.41	0.04	-120.41	1	U.S. Geological Survey	Electric Line		
P	8/20/2017	0500	171.43	0.02	-120.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2017	1800	171.44	0.01	-120.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2017	0000	171.05	(0.39)	-120.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2017	0500	171.44	0.39	-120.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2017	0000	171.6	0.16	-120.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2017	0000	171.79	0.19	-120.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2017	0000	171.91	0.12	-120.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2017	0300	172.02	0.11	-121.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/26/2017	1340	172.01	(0.01)	-121.01	1	U.S. Geological Survey	Electric Line		
P	9/30/2017	0000	172.1	0.09	-121.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/5/2017	0500	172.17	0.07	-121.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2017	0000	172.29	0.12	-121.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2017	0300	172.47	0.18	-121.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2017	0700	172.65	0.18	-121.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2017	1700	172.84	0.19	-121.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2017	0300	172.98	0.14	-121.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2017	0600	173.13	0.15	-122.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2017	1500	173.3	0.17	-122.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2017	0500	173.34	0.04	-122.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2017	0600	173.45	0.11	-122.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2017	0000	173.58	0.13	-122.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2017	0300	173.68	0.10	-122.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2017	0500	173.65	(0.03)	-122.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2017	1500	173.68	0.03	-122.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2017	0000	173.67	(0.01)	-122.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2017	0700	173.55	(0.12)	-122.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2017	2300	173.62	0.07	-122.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/28/2017	1336	173.62	0.00	-122.62	1	U.S. Geological Survey	Electric Line		
P	12/30/2017	1400	173.53	(0.09)	-122.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2018	2200	173.51	(0.02)	-122.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/10/2018	1800	173.32	(0.19)	-122.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2018	1500	173.33	0.01	-122.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2018	1800	173.2	(0.13)	-122.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2018	0100	173.24	0.04	-122.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2018	1900	173.19	(0.05)	-122.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2018	2300	173.17	(0.02)	-122.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2018	0700	173.01	(0.16)	-122.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2018	1700	173.1	0.09	-122.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2018	0000	173.07	(0.03)	-122.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2018	1400	172.94	(0.13)	-121.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2018	1445	172.93	(0.01)	-121.93	1	U.S. Geological Survey	Electric Line		
P	3/5/2018	1900	172.89	(0.04)	-121.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2018	1500	172.85	(0.04)	-121.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2018	2300	172.84	(0.01)	-121.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2018	0000	172.78	(0.06)	-121.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/23/2018	1119	172.81	0.03	-121.81	1	U.S. Geological Survey	Electric Line		
P	3/25/2018	1700	172.71	(0.10)	-121.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2018	0000	172.58	(0.13)	-121.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2018	2300	172.48	(0.10)	-121.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2018	0000	172.46	(0.02)	-121.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/16/2018	2100	172.21	(0.25)	-121.21	1	U.S. Geological Survey	Electric Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/20/2018	2200	172.11	(0.10)	-121.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2018	1700	171.97	(0.14)	-120.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2018	2000	171.97	0.00	-120.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2018	0900	171.95	(0.02)	-120.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2018	0200	171.98	0.03	-120.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2018	0000	171.95	(0.03)	-120.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2018	0000	171.98	0.03	-120.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/22/2018	2200	172.31	0.33	-121.31	1	U.S. Geological Survey	Electric Line		
P	5/25/2018	1700	172.32	0.01	-121.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2018	0000	172.36	0.04	-121.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2018	0000	172.43	0.07	-121.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2018	0000	172.53	0.10	-121.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2018	0000	172.6	0.07	-121.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2018	0000	172.56	(0.04)	-121.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2018	0000	172.68	0.12	-121.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2018	0000	172.79	0.11	-121.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2018	0000	172.8	0.01	-121.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2018	0000	172.95	0.15	-121.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2018	0000	173.05	0.10	-122.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/19/2018	1410	173.27	0.22	-122.27	1	U.S. Geological Survey	Electric Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/20/2018	0000	173.25	(0.02)	-122.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2018	0000	173.43	0.18	-122.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2018	0000	173.6	0.17	-122.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2018	0000	173.79	0.19	-122.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2018	0000	173.93	0.14	-122.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2018	0000	174.22	0.29	-123.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2018	0000	174.43	0.21	-123.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2018	0000	174.68	0.25	-123.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2018	0000	174.98	0.30	-123.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/31/2018	1221	174.87	(0.11)	-123.87	1	U.S. Geological Survey	Electric Line		
P	9/5/2018	0000	174.88	0.01	-123.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2018	0000	174.91	0.03	-123.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2018	0000	174.92	0.01	-123.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/19/2018	2400	175.13	0.21	-124.13	1	U.S. Geological Survey	Electric Line		
P	9/20/2018	0000	175.11	(0.02)	-124.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2018	0000	175.18	0.07	-124.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2018	0000	175.11	(0.07)	-124.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2018	0000	175	(0.11)	-124	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2018	0000	174.92	(0.08)	-123.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2018	0000	174.79	(0.13)	-123.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/20/2018	0000	174.75	(0.04)	-123.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2018	0000	174.58	(0.17)	-123.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2018	0000	174.54	(0.04)	-123.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/31/2018	1026	174.58	0.04	-123.58	1	U.S. Geological Survey	Electric Line		
P	11/5/2018	0000	174.31	(0.27)	-123.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2018	0000	174.3	(0.01)	-123.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2018	0000	174.22	(0.08)	-123.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2018	0000	174.11	(0.11)	-123.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/21/2018	1034	174.13	0.02	-123.13	1	U.S. Geological Survey	Electric Line		
P	11/25/2018	0000	173.92	(0.21)	-122.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2018	0000	173.83	(0.09)	-122.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2018	0000	173.88	0.05	-122.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2018	0000	173.67	(0.21)	-122.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2018	0000	173.49	(0.18)	-122.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/18/2018	2230	173.39	(0.10)	-122.39	1	U.S. Geological Survey	Electric Line		
P	12/20/2018	0000	173.29	(0.10)	-122.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2018	0000	173.2	(0.09)	-122.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2018	0000	172.95	(0.25)	-121.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2019	0000	172.76	(0.19)	-121.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2019	0000	172.61	(0.15)	-121.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2019	0000	172.45	(0.16)	-121.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/20/2019	0000	172.28	(0.17)	-121.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2019	0000	172.13	(0.15)	-121.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2019	0000	172.03	(0.10)	-121.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/31/2019	0839	171.95	(0.08)	-120.95	1	U.S. Geological Survey	Electric Line		
P	2/5/2019	0000	171.82	(0.13)	-120.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2019	0000	171.74	(0.08)	-120.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2019	0000	171.56	(0.18)	-120.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2019	0000	171.5	(0.06)	-120.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2019	0000	171.48	(0.02)	-120.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/27/2019	0850	171.35	(0.13)	-120.35	1	U.S. Geological Survey	Electric Line		
P	3/5/2019	0000	171.38	0.03	-120.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2019	0000	171.24	(0.14)	-120.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2019	0000	171.26	0.02	-120.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/19/2019	0511	171.29	0.03	-120.29	1	U.S. Geological Survey	Electric Line		
P	3/20/2019	0000	171.23	(0.06)	-120.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2019	0000	171.22	(0.01)	-120.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2019	0000	171.23	0.01	-120.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2019	0000	171.27	0.04	-120.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2019	0000	171.25	(0.02)	-120.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2019	0000	171.33	0.08	-120.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/17/2019	0735	171.34	0.01	-120.34	1	U.S. Geological Survey	Electric Line		

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P	4/20/2019	0000	171.32	(0.02)	-120.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2019	0000	171.31	(0.01)	-120.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2019	0000	171.42	0.11	-120.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2019	0000	171.4	(0.02)	-120.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2019	0000	171.25	(0.15)	-120.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2019	0000	171.5	0.25	-120.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2019	0000	171.55	0.05	-120.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/22/2019	0826	171.62	0.07	-120.62	1	U.S. Geological Survey	Electric Line		
P	5/25/2019	0000	171.65	0.03	-120.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2019	0000	171.69	0.04	-120.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2019	0000	171.63	(0.06)	-120.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2019	0000	171.84	0.21	-120.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2019	0000	171.97	0.13	-120.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2019	0000	172.01	0.04	-121.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/2019	0541	172.1	0.09	-121.1	1	U.S. Geological Survey	Electric Line		
P	6/25/2019	0000	172.1	0.00	-121.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2019	0000	172.17	0.07	-121.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2019	0000	172.28	0.11	-121.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2019	0000	172.4	0.12	-121.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2019	0000	172.47	0.07	-121.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/20/2019	0000	172.59	0.12	-121.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2019	0000	172.72	0.13	-121.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2019	0000	172.77	0.05	-121.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2019	0000	172.85	0.08	-121.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2019	0000	172.97	0.12	-121.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2019	0000	173.13	0.16	-122.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2019	0000	173.28	0.15	-122.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/22/2019	0442	173.39	0.11	-122.39	1	U.S. Geological Survey	Electric Line		
P	8/25/2019	0000	173.37	(0.02)	-122.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2019	0000	173.48	0.11	-122.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2019	0000	173.71	0.23	-122.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2019	0000	173.88	0.17	-122.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2019	0000	174.04	0.16	-123.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2019	0000	173.81	(0.23)	-122.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2019	0000	174.04	0.23	-123.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2019	0000	174.16	0.12	-123.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/2/2019	0634	174.21	0.05	-123.21	1	U.S. Geological Survey	Electric Line		
P	10/5/2019	0000	174.26	0.05	-123.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2019	0000	174.35	0.09	-123.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2019	0000	174.43	0.08	-123.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/20/2019	0000	174.53	0.10	-123.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2019	0000	174.62	0.09	-123.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2019	0000	174.69	0.07	-123.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/4/2019	0839	174.68	(0.01)	-123.68	1	U.S. Geological Survey	Steel Tape		
P	11/5/2019	0000	174.76	0.08	-123.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2019	0000	174.7	(0.06)	-123.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2019	0000	174.75	0.05	-123.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2019	0000	174.69	(0.06)	-123.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2019	0000	174.63	(0.06)	-123.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/26/2019	0238	174.68	0.05	-123.68	1	U.S. Geological Survey	Electric Line		
P	11/30/2019	0000	174.67	(0.01)	-123.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2019	0000	174.68	0.01	-123.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2019	0000	174.65	(0.03)	-123.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2019	0000	174.6	(0.05)	-123.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2019	0000	174.68	0.08	-123.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2019	0000	174.6	(0.08)	-123.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2019	0000	174.61	0.01	-123.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/31/2019	0839	174.25	(0.36)	-123.25	1	U.S. Geological Survey	Electric Line		
P	1/5/2020	0000	174.6	0.35	-123.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2020	0000	174.45	(0.15)	-123.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2020	0000	174.41	(0.04)	-123.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	1/20/2020	0000	174.41	0.00	-123.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2020	0000	174.21	(0.20)	-123.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/28/2020	1125	173.9	(0.31)	-122.9	1	U.S. Geological Survey	Electric Line		
P	1/30/2020	0000	174.12	0.22	-123.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2020	0000	173.95	(0.17)	-122.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2020	0000	173.84	(0.11)	-122.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2020	0000	173.73	(0.11)	-122.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2020	0000	173.59	(0.14)	-122.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2020	0000	173.12	(0.47)	-122.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/4/2020	0411	173.1	(0.02)	-122.1	1	U.S. Geological Survey	Electric Line		
P	3/5/2020	0000	172.93	(0.17)	-121.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2020	0000	172.85	(0.08)	-121.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2020	0000	172.82	(0.03)	-121.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2020	0000	172.68	(0.14)	-121.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2020	0000	172.47	(0.21)	-121.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2020	0000	172.34	(0.13)	-121.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2020	0000	172.35	0.01	-121.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/7/2020	0325	172.28	(0.07)	-121.28	1	U.S. Geological Survey	Electric Line		
P	4/10/2020	0000	172.22	(0.06)	-121.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2020	0000	172.13	(0.09)	-121.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2020	0000	171.94	(0.19)	-120.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/25/2020	0000	171.86	(0.08)	-120.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2020	0000	171.76	(0.10)	-120.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/1/2020	0343	171.75	(0.01)	-120.75	1	U.S. Geological Survey	Electric Line		
P	5/5/2020	0000	171.63	(0.12)	-120.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2020	0000	171.58	(0.05)	-120.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2020	0000	171.35	(0.23)	-120.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2020	0000	171.28	(0.07)	-120.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2020	0000	171.19	(0.09)	-120.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/29/2020	0234	171.23	0.04	-120.23	1	U.S. Geological Survey	Electric Line		
P	5/30/2020	0000	171.2	(0.03)	-120.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2020	0000	171.05	(0.15)	-120.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2020	0000	170.97	(0.08)	-119.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2020	0000	170.91	(0.06)	-119.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2020	0000	170.73	(0.18)	-119.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/2020	0245	170.6	(0.13)	-119.6	1	U.S. Geological Survey	Electric Line		
P	6/25/2020	0000	170.59	(0.01)	-119.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2020	0000	170.69	0.10	-119.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2020	0000	170.7	0.01	-119.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2020	0000	170.78	0.08	-119.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2020	0000	170.85	0.07	-119.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2020	0000	170.93	0.08	-119.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/23/2020	0134	170.88	(0.05)	-119.88	1	U.S. Geological Survey	Electric Line		
P	7/25/2020	0000	170.93	0.05	-119.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2020	0000	170.99	0.06	-119.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2020	0000	171.05	0.06	-120.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2020	0000	171.14	0.09	-120.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2020	0000	171.17	0.03	-120.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2020	0000	171.2	0.03	-120.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2020	0000	171.26	0.06	-120.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2020	0000	171.27	0.01	-120.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2020	0000	171.45	0.18	-120.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2020	0000	171.52	0.07	-120.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2020	0000	171.56	0.04	-120.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2020	0000	171.61	0.05	-120.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2020	0000	171.47	(0.14)	-120.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2020	0000	171.57	0.10	-120.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2020	0000	171.55	(0.02)	-120.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2020	0000	171.47	(0.08)	-120.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2020	0000	171.47	0.00	-120.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2020	0000	171.42	(0.05)	-120.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2020	0000	171.38	(0.04)	-120.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/30/2020	0000	171.27	(0.11)	-120.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2020	0000	171.21	(0.06)	-120.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2020	0000	171.08	(0.13)	-120.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2020	0000	171.07	(0.01)	-120.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2020	0000	171.09	0.02	-120.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2020	0000	170.96	(0.13)	-119.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2020	0000	170.81	(0.15)	-119.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2020	0000	170.7	(0.11)	-119.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2020	0000	170.6	(0.10)	-119.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2020	0000	170.46	(0.14)	-119.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2020	0000	170.37	(0.09)	-119.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2020	0000	170.33	(0.04)	-119.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2020	0000	170.15	(0.18)	-119.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2021	0	170.07	(0.08)	-119.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2021	0	169.93	(0.14)	-118.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2021	0	169.84	(0.09)	-118.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2021	0	169.79	(0.05)	-118.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2021	0	169.59	(0.20)	-118.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2021	0	169.76	0.17	-118.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/5/2021	0	169.72	(0.04)	-118.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2021	0	169.69	(0.03)	-118.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2021	0	169.66	(0.03)	-118.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	2/20/2021		185.64	15.98	-134.64	1	U.S. Geological Survey	Recorder (Float or Transducer)	3	Water level declines were seen due to record cold/freeze event.
P	2/25/2021	0	169.63	(16.01)	-118.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2021	0	169.65	0.02	-118.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2021	0	169.67	0.02	-118.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2021	0	169.65	(0.02)	-118.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2021	0	169.68	0.03	-118.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2021	0	169.62	(0.06)	-118.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2021	0	169.63	0.01	-118.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2021	0	171.96	2.33	-120.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2021	0	171.92	(0.04)	-120.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2021	0	171.91	(0.01)	-120.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2021	0	171.9	(0.01)	-120.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2021	0	169.57	(2.33)	-118.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2021	0	169.55	(0.02)	-118.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2021	0	169.48	(0.07)	-118.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/10/2021	0	169.14	(0.34)	-118.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2021	0	169.14	0.00	-118.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2021	0	169.04	(0.10)	-118.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2021	0	168.99	(0.05)	-117.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2021	0	168.95	(0.04)	-117.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2021	0	168.5	(0.45)	-117.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2021	0	168.64	0.14	-117.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2021	0	168.54	(0.10)	-117.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2021	0	168.44	(0.10)	-117.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2021	0	168.35	(0.09)	-117.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2021	0	168.34	(0.01)	-117.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2021	0	168.27	(0.07)	-117.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2021	0	168.1	(0.17)	-117.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2021	0	168.16	0.06	-117.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2021	0	168.17	0.01	-117.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/1/2021	0	168.16	(0.01)	-117.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/2/2021	0	168.15	(0.01)	-117.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/3/2021	0	168.05	(0.10)	-117.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/4/2021	0	168.06	0.01	-117.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/5/2021	0	168.05	(0.01)	-117.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/6/2021	0	168.04	(0.01)	-117.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/7/2021	0	168.03	(0.01)	-117.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/8/2021	0	168.02	(0.01)	-117.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/9/2021	0	168.03	0.01	-117.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2021	0	168.03	0.00	-117.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/11/2021	0	168.01	(0.02)	-117.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/12/2021	0	168	(0.01)	-117	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/13/2021	0	168	0.00	-117	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/14/2021	0	167.99	(0.01)	-116.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2021	0	167.95	(0.04)	-116.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/16/2021	0	167.91	(0.04)	-116.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/17/2021	0	167.89	(0.02)	-116.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/18/2021	0	167.85	(0.04)	-116.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/19/2021	0	167.84	(0.01)	-116.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2021	0	167.84	0.00	-116.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/21/2021	0	167.84	0.00	-116.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/22/2021	0	167.85	0.01	-116.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/23/2021	0	167.84	(0.01)	-116.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/24/2021	0	167.84	0.00	-116.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2021	0	167.84	0.00	-116.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/26/2021	0	167.81	(0.03)	-116.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/27/2021	0	167.8	(0.01)	-116.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/28/2021	0	167.81	0.01	-116.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/29/2021	0	167.78	(0.03)	-116.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2021	0	167.77	(0.01)	-116.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/31/2021	0	167.79	0.02	-116.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/1/2021	0	167.76	(0.03)	-116.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/2/2021	0	167.76	0.00	-116.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/3/2021	0	167.77	0.01	-116.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/4/2021	0	167.78	0.01	-116.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2021	0	167.78	0.00	-116.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/6/2021	0	167.77	(0.01)	-116.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/7/2021	0	167.77	0.00	-116.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/8/2021	0	167.79	0.02	-116.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/9/2021	0	167.81	0.02	-116.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2021	0	167.83	0.02	-116.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/11/2021	0	167.85	0.02	-116.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/12/2021	0	167.86	0.01	-116.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/13/2021	0	167.74	(0.12)	-116.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/14/2021	0	167.63	(0.11)	-116.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2021	0	167.66	0.03	-116.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/16/2021	0	167.69	0.03	-116.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/17/2021	0	167.73	0.04	-116.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/18/2021	0	167.75	0.02	-116.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/19/2021	0	167.75	0.00	-116.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2021	0	167.77	0.02	-116.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/21/2021	0	167.8	0.03	-116.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/22/2021	0	167.85	0.05	-116.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/23/2021	0	167.87	0.02	-116.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/2021	0	167.88	0.01	-116.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2021	0	167.9	0.02	-116.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/26/2021	0	167.92	0.02	-116.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/27/2021	0	167.92	0.00	-116.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/28/2021	0	167.89	(0.03)	-116.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/29/2021	0	167.83	(0.06)	-116.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2021	0	167.87	0.04	-116.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable
X	No Measurement

Remark ID	Remark Description
3	Well or wells pumping nearby
28	Uncertain of reason for no measurement

Water Quality Analysis

Sample Date: 2/15/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		200	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514740 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294549 **Longitude** 952139 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Southern Pacific Building

Driller
Taylor and Roberts

Address _____ **Tenant/Oper.** _____

Date Drilled / /1923 **Depth** 861 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION **Const-Method**

Casing Material Blank

Screen Material Blank

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
97 ft of screen between 626 and 861 ft. Well destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-740

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514740
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763612
Latitude (degrees minutes seconds)	29° 45' 49" N
Longitude (decimal degrees)	-95.360834
Longitude (degrees minutes seconds)	095° 21' 39" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	861
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1923
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Southern Pacific Building
Driller	Taylor and Roberts
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	97 ft of screen between 626 and 861 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 2/3/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		187.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		229	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		102	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		63	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		250	mg/L	

Water Quality Analysis

Sample Date: 8/9/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		177.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		216	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		104	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		241	mg/L	

Water Quality Analysis

Sample Date: 5/23/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		172.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		211	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		99	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		57	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		236	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		168.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		206	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		98	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		233	mg/L	

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00910	CALCIUM (MG/L)		32	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		119	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.28		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.18		
00932	SODIUM, CALCULATED, PERCENT		49	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		251	mg/L	

Water Quality Analysis

Sample Date: 1/11/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		185.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00910	CALCIUM (MG/L)		34	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		132	mg/L	
00920	MAGNESIUM (MG/L)		12	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.02		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.65		
00932	SODIUM, CALCULATED, PERCENT		41	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		44	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		233	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-742

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by RS SONENSHEIN Source of data DRILLER & OBS Date 2-21-80 Map SETTEGAST, Tx 1967 1:24,000

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 47 28 N Longitude: 095 20 01 Sequential number: 4

Lat-long accuracy: 1 T ____ S, R ____ W, Sec ____, ____, ____, ____ B & M

Local well number: LJ-65-14-742 Other number: NORTHEAST NO. 3

Local use: Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

Owner or name: HGCSD Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [S]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [Φ]

DATA AVAILABLE: Well data [2] Freq. W/L meas.: MONTHLY [M] Field aquifer char. [T]

Hyd. lab. data:

Qual. water data; type: partial [P]

Freq. sampling: ORIGINAL [Φ] Pumpage inventory: yes (no) period:

Aperture cards: yes

Log data: DRILLER'S log [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1035 ft [1035] Meas. rept [3]

Depth cased: (first perf.) 1020 ft [1020] Casing type: STEEL ; Diam. accuracy 4½-2½ in [4]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: Feb 1980 [980] Pump intake setting: NONE ft

Driller: O'DAY DRLG CO name, PEARLAND, TX address

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat LP H.P. — Trans. or meter no. —

Descrip. MP top of csng +2.0 ft above below LSD, Alt. MP

Alt. LSD: 19 [49] Accuracy: (source) 5' TOPO [3]

Water Level 326.10 ft above below MP; Ft above below LSD [326] Accuracy: steel tape [A]

Date meas: 4-24-80 [480] Yield: 8.5 gpm [9] Method determined [1]

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Silica 8.7 ppm [9] Chloride ppm Hard. HCO_3 200 ppm

Sp. Conduct 500 K x 10^6 [3] Temp. 76 °F [76] Date sampled 2-23-80 [280]

Taste, color, etc.

Well No.

Well No. LJ-65-14-242

Latitude-longitude ____ d ____ m ____ s N S ____ d ____ m ____ s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN (20–21: 03) Section: WEST GULF

(22: F) Drainage Basin: ____ (23–25: 51R) Subbasin: ____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (0) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat ____ (27: F)

MAJOR AQUIFER: ____ system, ____ series (28–29: TF) EVANGELINE aquifer, formation, group (30–31: E)

Lithology: ____ (32–33: 5) Origin: ____ (34: 3) Aquifer Thickness: 39 ft

(35–37: 39) Length of well open to: 10 ft (38–40: 1010) Depth to top of: 1010 ft (41–43: A01)

MINOR AQUIFER: ____ system, ____ series (44–45) ____ aquifer, formation, group (46–47)

Lithology: ____ (48–49) Origin: ____ (50) Aquifer Thickness: ____ ft

(51–53) Length of well open to: ____ ft (54–56) Depth to top of: ____ ft (57–59)

Intervals Screened: 1020-1030 SSWW No. 10 ga 2½" OD

Depth to consolidated rock: ____ ft (60–62) Source of data: ____ (64)

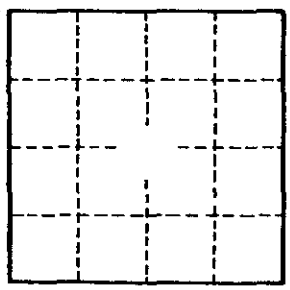
Depth to basement: ____ ft (65–68) Source of data: ____ (69)

Surficial material: ____ (70–71) Infiltration characteristics: ____ (72)

Coefficient Trans: 326 gpd/ft (73–75: 321) Coefficient Storage: ____ (76–78)

Coefficient Perm: ____ gpd/ft^2; Spec cap: ____ gpm/ft; Number of geologic cards: ____ (79)

sample for water quality obtained by jetting with air



Well No.

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-742

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514742
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791389
Latitude (degrees minutes seconds)	29° 47' 29" N
Longitude (decimal degrees)	-95.333889
Longitude (degrees minutes seconds)	095° 20' 02" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1033
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Coast Subsidence Dist.,N.E.
Driller	O'Day Drlg
Other Data Available	Drillers Log; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294728095200104
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	3
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	8/18/1994
Last Update Date	8/18/1994

Remarks	Owner Coastal Subsidence District Northeast, well #3.

Casing - No Data

Well Tests - No Data

Lithology - No Data

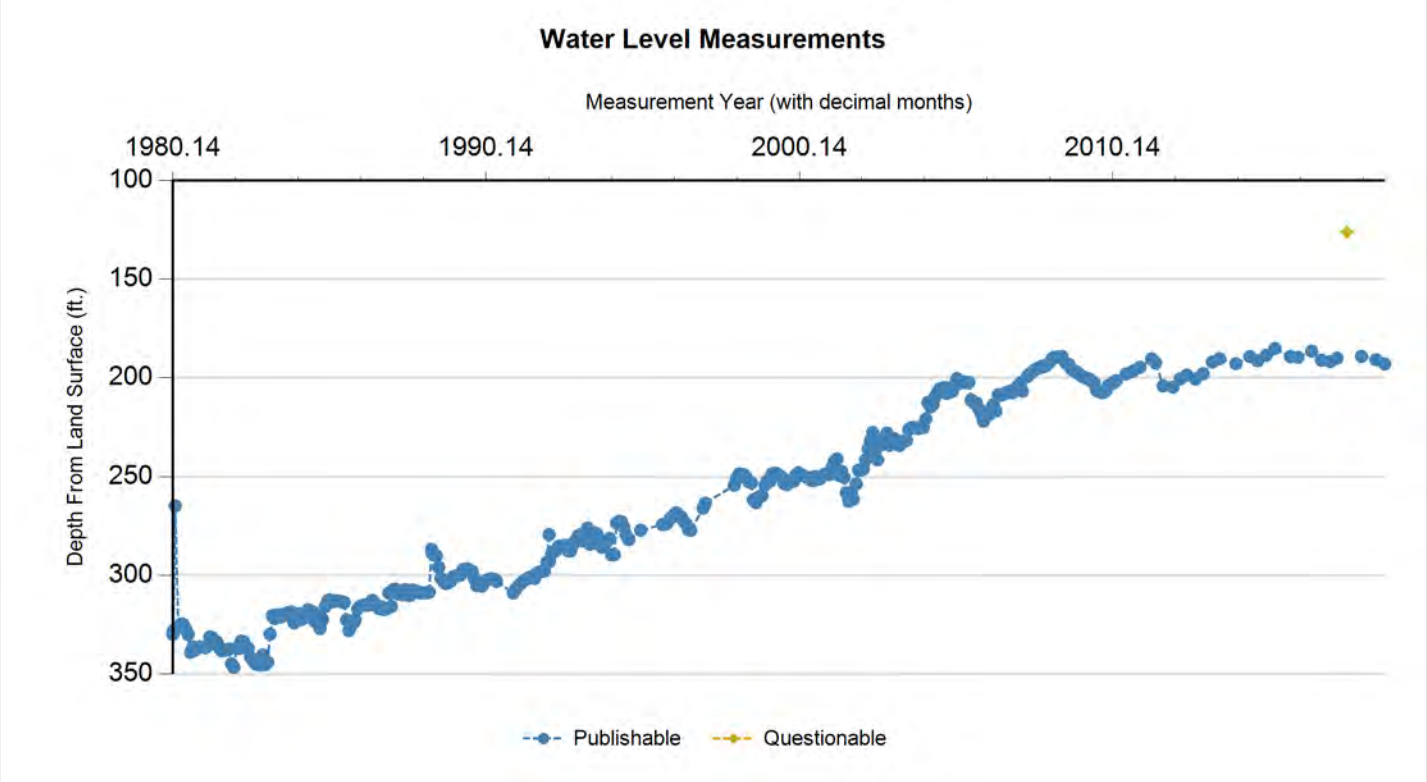
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/23/1980		329.81		-280.81	1	U.S. Geological Survey	Steel Tape		
P	2/25/1980		328.16	(1.65)	-279.16	1	U.S. Geological Survey	Steel Tape		
P	3/18/1980		264.69	(63.47)	-215.69	1	Registered Water Well Driller	Unknown		
P	4/24/1980		326.1	61.41	-277.1	1	U.S. Geological Survey	Steel Tape		
P	5/27/1980		324.59	(1.51)	-275.59	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		324.89	0.30	-275.89	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		327.43	2.54	-278.43	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		329.9	2.47	-280.9	1	U.S. Geological Survey	Steel Tape		
P	9/17/1980		338.96	9.06	-289.96	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		336.17	(2.79)	-287.17	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		337.79	1.62	-288.79	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		336.83	(0.96)	-287.83	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		336.09	(0.74)	-287.09	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		336.68	0.59	-287.68	1	U.S. Geological Survey	Steel Tape		
P	3/30/1981		335.8	(0.88)	-286.8	1	U.S. Geological Survey	Steel Tape		
P	4/27/1981		331.14	(4.66)	-282.14	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		331.53	0.39	-282.53	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		332.9	1.37	-283.9	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		333.74	0.84	-284.74	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		336.56	2.82	-287.56	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		338.21	1.65	-289.21	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/13/1981		337.94	(0.27)	-288.94	1	U.S. Geological Survey	Steel Tape		
P	11/12/1981		337.76	(0.18)	-288.76	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		337.39	(0.37)	-288.39	1	U.S. Geological Survey	Steel Tape		
P	1/5/1982		344.78	7.39	-295.78	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		346.59	1.81	-297.59	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		336.72	(9.87)	-287.72	1	U.S. Geological Survey	Steel Tape		
P	3/31/1982		336.92	0.20	-287.92	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		333.22	(3.70)	-284.22	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		333.5	0.28	-284.5	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		336.79	3.29	-287.79	1	U.S. Geological Survey	Steel Tape		
P	7/21/1982		336.93	0.14	-287.93	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		341.53	4.60	-292.53	1	U.S. Geological Survey	Steel Tape		
P	9/15/1982		343.04	1.51	-294.04	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		344.67	1.63	-295.67	1	U.S. Geological Survey	Steel Tape		
P	11/10/1982		345.16	0.49	-296.16	1	U.S. Geological Survey	Steel Tape		
P	12/8/1982		345.44	0.28	-296.44	1	U.S. Geological Survey	Steel Tape		
P	1/5/1983		340.23	(5.21)	-291.23	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		345.16	4.93	-296.16	1	U.S. Geological Survey	Steel Tape		
P	3/1/1983		343.93	(1.23)	-294.93	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		329.66	(14.27)	-280.66	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		320.36	(9.30)	-271.36	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		321.85	1.49	-272.85	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		319.94	(1.91)	-270.94	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		321.02	1.08	-272.02	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		320.86	(0.16)	-271.86	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		319.47	(1.39)	-270.47	1	U.S. Geological Survey	Steel Tape		
P	10/11/1983		319.79	0.32	-270.79	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		318.68	(1.11)	-269.68	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		318.43	(0.25)	-269.43	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		324	5.57	-275	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		320.31	(3.69)	-271.31	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		319.47	(0.84)	-270.47	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		322.34	2.87	-273.34	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		321.76	(0.58)	-272.76	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		320.25	(1.51)	-271.25	1	U.S. Geological Survey	Steel Tape		
P	6/18/1984		317.31	(2.94)	-268.31	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		318.64	1.33	-269.64	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		318.41	(0.23)	-269.41	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		323.5	5.09	-274.5	1	U.S. Geological Survey	Steel Tape		
P	10/9/1984		320.71	(2.79)	-271.71	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		326.84	6.13	-277.84	1	U.S. Geological Survey	Steel Tape		
P	12/5/1984		322.41	(4.43)	-273.41	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/2/1985		315.71	(6.70)	-266.71	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		312.89	(2.82)	-263.89	1	U.S. Geological Survey	Steel Tape		
P	2/26/1985		312.25	(0.64)	-263.25	1	U.S. Geological Survey	Steel Tape		
P	3/26/1985		313.25	1.00	-264.25	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		313.06	(0.19)	-264.06	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		312.87	(0.19)	-263.87	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		312.93	0.06	-263.93	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		313.43	0.50	-264.43	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		313.66	0.23	-264.66	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		322.48	8.82	-273.48	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		327.91	5.43	-278.91	1	U.S. Geological Survey	Steel Tape		
P	11/6/1985		325.17	(2.74)	-276.17	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		323.91	(1.26)	-274.91	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		322.4	(1.51)	-273.4	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		316.94	(5.46)	-267.94	1	U.S. Geological Survey	Steel Tape		
P	2/12/1986		315.69	(1.25)	-266.69	1	U.S. Geological Survey	Unknown		
P	3/13/1986		315	(0.69)	-266	1	U.S. Geological Survey	Unknown		
P	4/11/1986		314.88	(0.12)	-265.88	1	U.S. Geological Survey	Unknown		
P	5/8/1986		315.07	0.19	-266.07	1	U.S. Geological Survey	Unknown		
P	6/5/1986		314.74	(0.33)	-265.74	1	U.S. Geological Survey	Unknown		
P	7/3/1986		312.58	(2.16)	-263.58	1	U.S. Geological Survey	Unknown		
P	7/31/1986		313.88	1.30	-264.88	1	U.S. Geological Survey	Unknown		
P	8/28/1986		315.54	1.66	-266.54	1	U.S. Geological Survey	Unknown		
P	9/25/1986		316.77	1.23	-267.77	1	U.S. Geological Survey	Unknown		
P	10/23/1986		315.87	(0.90)	-266.87	1	U.S. Geological Survey	Unknown		
P	11/20/1986		317.22	1.35	-268.22	1	U.S. Geological Survey	Unknown		
P	12/17/1986		317.01	(0.21)	-268.01	1	U.S. Geological Survey	Unknown		
P	1/12/1987		308.87	(8.14)	-259.87	1	U.S. Geological Survey	Unknown		
P	2/12/1987		315.69	6.82	-266.69	1	U.S. Geological Survey	Steel Tape		
P	3/6/1987		307.11	(8.58)	-258.11	1	U.S. Geological Survey	Unknown		
P	4/2/1987		307	(0.11)	-258	1	U.S. Geological Survey	Unknown		
P	4/30/1987		309.31	2.31	-260.31	1	U.S. Geological Survey	Unknown		
P	5/28/1987		308.78	(0.53)	-259.78	1	U.S. Geological Survey	Unknown		
P	6/25/1987		309.81	1.03	-260.81	1	U.S. Geological Survey	Unknown		
P	7/23/1987		307.07	(2.74)	-258.07	1	U.S. Geological Survey	Unknown		
P	8/20/1987		307.59	0.52	-258.59	1	U.S. Geological Survey	Unknown		
P	9/17/1987		310.16	2.57	-261.16	1	U.S. Geological Survey	Unknown		
P	10/15/1987		307.36	(2.80)	-258.36	1	U.S. Geological Survey	Unknown		
P	11/12/1987		307.64	0.28	-258.64	1	U.S. Geological Survey	Unknown		
P	12/9/1987		308.08	0.44	-259.08	1	U.S. Geological Survey	Unknown		
P	1/7/1988		308.8	0.72	-259.8	1	U.S. Geological Survey	Unknown		
P	2/4/1988		308.91	0.11	-259.91	1	U.S. Geological Survey	Unknown		

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-742

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/3/1988		308.82	(0.09)	-259.82	1	U.S. Geological Survey	Unknown		
P	3/31/1988		308.69	(0.13)	-259.69	1	U.S. Geological Survey	Unknown		
P	4/28/1988		308.39	(0.30)	-259.39	1	U.S. Geological Survey	Unknown		
P	5/26/1988		286.7	(21.69)	-237.7	1	U.S. Geological Survey	Unknown		
P	6/1/1988		288.56	1.86	-239.56	1	U.S. Geological Survey	Unknown		
P	6/23/1988		289.56	1.00	-240.56	1	U.S. Geological Survey	Unknown		
P	7/21/1988		290.03	0.47	-241.03	1	U.S. Geological Survey	Unknown		
P	8/18/1988		295.84	5.81	-246.84	1	U.S. Geological Survey	Unknown		
P	9/14/1988		301.35	5.51	-252.35	1	U.S. Geological Survey	Unknown		
P	10/13/1988		302.77	1.42	-253.77	1	U.S. Geological Survey	Unknown		
P	11/9/1988		304	1.23	-255	1	U.S. Geological Survey	Unknown		
P	12/8/1988		303.82	(0.18)	-254.82	1	U.S. Geological Survey	Unknown		
P	1/5/1989		302.78	(1.04)	-253.78	1	U.S. Geological Survey	Unknown		
P	2/2/1989		300.68	(2.10)	-251.68	1	U.S. Geological Survey	Unknown		
P	3/2/1989		300.19	(0.49)	-251.19	1	U.S. Geological Survey	Unknown		
P	3/29/1989		300.08	(0.11)	-251.08	1	U.S. Geological Survey	Unknown		
P	4/27/1989		299.76	(0.32)	-250.76	1	U.S. Geological Survey	Unknown		
P	5/25/1989		296.97	(2.79)	-247.97	1	U.S. Geological Survey	Unknown		
P	6/22/1989		296.85	(0.12)	-247.85	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		296.54	(0.31)	-247.54	1	U.S. Geological Survey	Unknown		
P	8/17/1989		297.87	1.33	-248.87	1	U.S. Geological Survey	Unknown		
P	9/14/1989		298.01	0.14	-249.01	1	U.S. Geological Survey	Unknown		
P	10/12/1989		301.85	3.84	-252.85	1	U.S. Geological Survey	Unknown		
P	11/8/1989		305.18	3.33	-256.18	1	U.S. Geological Survey	Unknown		
P	12/7/1989		303.52	(1.66)	-254.52	1	U.S. Geological Survey	Unknown		
P	1/4/1990		305.38	1.86	-256.38	1	U.S. Geological Survey	Unknown		
P	2/1/1990		303.58	(1.80)	-254.58	1	U.S. Geological Survey	Steel Tape		
P	3/1/1990		302.18	(1.40)	-253.18	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		301.64	(0.54)	-252.64	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		301.82	0.18	-252.82	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		302.95	1.13	-253.95	1	U.S. Geological Survey	Steel Tape		
P	1/3/1991		308.86	5.91	-259.86	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		306.92	(1.94)	-257.92	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		305.4	(1.52)	-256.4	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		304.21	(1.19)	-255.21	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		303.06	(1.15)	-254.06	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		302.17	(0.89)	-253.17	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		301.39	(0.78)	-252.39	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		300.87	(0.52)	-251.87	1	U.S. Geological Survey	Steel Tape		
P	8/15/1991		300.76	(0.11)	-251.76	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		301.46	0.70	-252.46	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		298.64	(2.82)	-249.64	1	U.S. Geological Survey	Steel Tape		

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P	11/8/1991		298.2	(0.44)	-249.2	1	U.S. Geological Survey	Steel Tape		
P	12/6/1991		297.88	(0.32)	-248.88	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		297.66	(0.22)	-248.66	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		293.28	(4.38)	-244.28	1	U.S. Geological Survey	Steel Tape		
P	2/25/1992		279.25	(14.03)	-230.25	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		292.98	13.73	-243.98	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		288.96	(4.02)	-239.96	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		287.86	(1.10)	-238.86	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		287.12	(0.74)	-238.12	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		285.19	(1.93)	-236.19	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		285.04	(0.15)	-236.04	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		284.91	(0.13)	-235.91	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		284.7	(0.21)	-235.7	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		287.44	2.74	-238.44	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		287.56	0.12	-238.56	1	U.S. Geological Survey	Steel Tape		
P	12/2/1992		284.38	(3.18)	-235.38	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		282.36	(2.02)	-233.36	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		279.87	(2.49)	-230.87	1	U.S. Geological Survey	Steel Tape		
P	2/25/1993		279.25	(0.62)	-230.25	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		282.44	3.19	-233.44	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		278.45	(3.99)	-229.45	1	U.S. Geological Survey	Steel Tape		
P	5/19/1993		275.93	(2.52)	-226.93	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		284.2	8.27	-235.2	1	U.S. Geological Survey	Steel Tape		
P	7/15/1993		278.41	(5.79)	-229.41	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		278.51	0.10	-229.51	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		278.98	0.47	-229.98	1	U.S. Geological Survey	Steel Tape		
P	10/7/1993		284.38	5.40	-235.38	1	U.S. Geological Survey	Steel Tape		
P	11/5/1993		285.69	1.31	-236.69	1	U.S. Geological Survey	Steel Tape		
P	12/29/1993		283.17	(2.52)	-234.17	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		281.25	(1.92)	-232.25	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		289.58	8.33	-240.58	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		289.42	(0.16)	-240.42	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		273.39	(16.03)	-224.39	1	U.S. Geological Survey	Steel Tape		
P	5/20/1994		272.55	(0.84)	-223.55	1	U.S. Geological Survey	Steel Tape		
P	6/16/1994		272.68	0.13	-223.68	1	U.S. Geological Survey	Steel Tape		
P	7/14/1994		275.45	2.77	-226.45	1	U.S. Geological Survey	Steel Tape		
P	8/12/1994		279.49	4.04	-230.49	1	U.S. Geological Survey	Steel Tape		
P	9/13/1994		281.8	2.31	-232.8	1	U.S. Geological Survey	Steel Tape		
P	1/27/1995		277.03	(4.77)	-228.03	1	U.S. Geological Survey	Steel Tape		
P	10/12/1995		274.16	(2.87)	-225.16	1	U.S. Geological Survey	Steel Tape		
P	11/21/1995		273.87	(0.29)	-224.87	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		273.59	(0.28)	-224.59	1	U.S. Geological Survey	Steel Tape		

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P	1/3/1996		271.4	(2.19)	-222.4	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		270.57	(0.83)	-221.57	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		269.21	(1.36)	-220.21	1	U.S. Geological Survey	Steel Tape		
P	3/21/1996		268.2	(1.01)	-219.2	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		269.71	1.51	-220.71	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		270.37	0.66	-221.37	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		272.47	2.10	-223.47	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		273.93	1.46	-224.93	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		276.76	2.83	-227.76	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		277.06	0.30	-228.06	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		265.89	(11.17)	-216.89	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		263.35	(2.54)	-214.35	1	U.S. Geological Survey	Steel Tape		
P	1/23/1998		254.2	(9.15)	-205.2	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		250.89	(3.31)	-201.89	1	U.S. Geological Survey	Steel Tape		
P	3/19/1998		248.49	(2.40)	-199.49	1	U.S. Geological Survey	Steel Tape		
P	4/15/1998		248.73	0.24	-199.73	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		248.84	0.11	-199.84	1	U.S. Geological Survey	Steel Tape		
P	6/11/1998		250.4	1.56	-201.4	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		252.43	2.03	-203.43	1	U.S. Geological Survey	Steel Tape		
P	8/11/1998		253.02	0.59	-204.02	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		261.64	8.62	-212.64	1	U.S. Geological Survey	Steel Tape		
P	10/5/1998		263.08	1.44	-214.08	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		260.41	(2.67)	-211.41	1	U.S. Geological Survey	Steel Tape		
P	11/24/1998		259.93	(0.48)	-210.93	1	U.S. Geological Survey	Steel Tape		
P	12/16/1998		259.57	(0.36)	-210.57	1	U.S. Geological Survey	Steel Tape		
P	1/14/1999		254.16	(5.41)	-205.16	1	U.S. Geological Survey	Unknown		
P	2/16/1999		251.73	(2.43)	-202.73	1	U.S. Geological Survey	Unknown		
P	3/15/1999		252.13	0.40	-203.13	1	U.S. Geological Survey	Steel Tape		
P	4/8/1999		248.48	(3.65)	-199.48	1	U.S. Geological Survey	Steel Tape		
P	5/7/1999		248.28	(0.20)	-199.28	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		248.39	0.11	-199.39	1	U.S. Geological Survey	Steel Tape		
P	7/2/1999		249.14	0.75	-200.14	1	U.S. Geological Survey	Steel Tape		
P	7/28/1999		250.03	0.89	-201.03	1	U.S. Geological Survey	Steel Tape		
P	8/27/1999		253.31	3.28	-204.31	1	U.S. Geological Survey	Steel Tape		
P	9/27/1999		253.92	0.61	-204.92	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		252.88	(1.04)	-203.88	1	U.S. Geological Survey	Steel Tape		
P	11/22/1999		251.63	(1.25)	-202.63	1	U.S. Geological Survey	Steel Tape		
P	12/23/1999		252.12	0.49	-203.12	1	U.S. Geological Survey	Steel Tape		
P	1/12/2000		249.1	(3.02)	-200.1	1	U.S. Geological Survey	Steel Tape		
P	2/11/2000		247.9	(1.20)	-198.9	1	U.S. Geological Survey	Steel Tape		
P	3/11/2000		248.87	0.97	-199.87	1	U.S. Geological Survey	Steel Tape		
P	4/6/2000		249.23	0.36	-200.23	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/8/2000		250.07	0.84	-201.07	1	U.S. Geological Survey	Steel Tape		
P	5/31/2000		250.31	0.24	-201.31	1	U.S. Geological Survey	Steel Tape		
P	6/29/2000		251.62	1.31	-202.62	1	U.S. Geological Survey	Steel Tape		
P	7/27/2000		251.98	0.36	-202.98	1	U.S. Geological Survey	Steel Tape		
P	8/23/2000		249.88	(2.10)	-200.88	1	U.S. Geological Survey	Steel Tape		
P	9/21/2000		251.15	1.27	-202.15	1	U.S. Geological Survey	Steel Tape		
P	10/23/2000		250.94	(0.21)	-201.94	1	U.S. Geological Survey	Steel Tape		
P	11/21/2000		249.34	(1.60)	-200.34	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		248.61	(0.73)	-199.61	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		248.45	(0.16)	-199.45	1	U.S. Geological Survey	Steel Tape		
P	2/8/2001		248.72	0.27	-199.72	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		245.07	(3.65)	-196.07	1	U.S. Geological Survey	Steel Tape		
P	4/5/2001		242.03	(3.04)	-193.03	1	U.S. Geological Survey	Steel Tape		
P	5/3/2001		240.89	(1.14)	-191.89	1	U.S. Geological Survey	Steel Tape		
P	5/30/2001		249.29	8.40	-200.29	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		247.15	(2.14)	-198.15	1	U.S. Geological Survey	Steel Tape		
P	7/27/2001		250.32	3.17	-201.32	1	U.S. Geological Survey	Steel Tape		
P	8/23/2001		258.11	7.79	-209.11	1	U.S. Geological Survey	Steel Tape		
P	9/21/2001		262.35	4.24	-213.35	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		257.92	(4.43)	-208.92	1	U.S. Geological Survey	Steel Tape		
P	11/15/2001		261.32	3.40	-212.32	1	U.S. Geological Survey	Steel Tape		
P	12/19/2001		253.62	(7.70)	-204.62	1	U.S. Geological Survey	Steel Tape		
P	1/11/2002		246.57	(7.05)	-197.57	1	U.S. Geological Survey	Steel Tape		
P	2/6/2002		246.67	0.10	-197.67	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		245.86	(0.81)	-196.86	1	U.S. Geological Survey	Steel Tape		
P	4/3/2002		241.36	(4.50)	-192.36	1	U.S. Geological Survey	Steel Tape		
P	5/3/2002		235.67	(5.69)	-186.67	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		231.34	(4.33)	-182.34	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		227.51	(3.83)	-178.51	1	U.S. Geological Survey	Steel Tape		
P	7/24/2002		236.54	9.03	-187.54	1	U.S. Geological Survey	Steel Tape		
P	8/22/2002		241.36	4.82	-192.36	1	U.S. Geological Survey	Steel Tape		
P	9/20/2002		232.38	(8.98)	-183.38	1	U.S. Geological Survey	Steel Tape		
P	10/18/2002		233.51	1.13	-184.51	1	U.S. Geological Survey	Steel Tape		
P	11/15/2002		230.2	(3.31)	-181.2	1	U.S. Geological Survey	Steel Tape		
P	12/13/2002		227.82	(2.38)	-178.82	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		234.03	6.21	-185.03	1	U.S. Geological Survey	Steel Tape		
P	2/6/2003		231.11	(2.92)	-182.11	1	U.S. Geological Survey	Steel Tape		
P	3/6/2003		230.64	(0.47)	-181.64	1	U.S. Geological Survey	Steel Tape		
P	4/2/2003		232.55	1.91	-183.55	1	U.S. Geological Survey	Steel Tape		
P	5/2/2003		234.11	1.56	-185.11	1	U.S. Geological Survey	Steel Tape		
P	5/28/2003		232.88	(1.23)	-183.88	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		231.69	(1.19)	-182.69	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/24/2003		231.51	(0.18)	-182.51	1	U.S. Geological Survey	Steel Tape		
P	8/21/2003		226.08	(5.43)	-177.08	1	U.S. Geological Survey	Steel Tape		
P	9/19/2003		225.14	(0.94)	-176.14	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		224.89	(0.25)	-175.89	1	U.S. Geological Survey	Steel Tape		
P	11/13/2003		225.15	0.26	-176.15	1	U.S. Geological Survey	Steel Tape		
P	12/11/2003		225.43	0.28	-176.43	1	U.S. Geological Survey	Steel Tape		
P	1/12/2004		224.82	(0.61)	-175.82	1	U.S. Geological Survey	Steel Tape		
P	2/5/2004		225.01	0.19	-176.01	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		220.66	(4.35)	-171.66	1	U.S. Geological Survey	Steel Tape		
P	3/30/2004		212.51	(8.15)	-163.51	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		214.57	2.06	-165.57	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		213.41	(1.16)	-164.41	1	U.S. Geological Survey	Steel Tape		
P	6/22/2004		209.75	(3.66)	-160.75	1	U.S. Geological Survey	Steel Tape		
P	7/20/2004		207.36	(2.39)	-158.36	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		205.69	(1.67)	-156.69	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		205.46	(0.23)	-156.46	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		204.99	(0.47)	-155.99	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		208.02	3.03	-159.02	1	U.S. Geological Survey	Steel Tape		
P	12/6/2004		207.56	(0.46)	-158.56	1	U.S. Geological Survey	Steel Tape		
P	1/6/2005		206.98	(0.58)	-157.98	1	U.S. Geological Survey	Steel Tape		
P	2/2/2005		203.59	(3.39)	-154.59	1	U.S. Geological Survey	Steel Tape		
P	3/2/2005		200.52	(3.07)	-151.52	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		203.09	2.57	-154.09	1	U.S. Geological Survey	Steel Tape		
P	5/12/2005		202.29	(0.80)	-153.29	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		202.15	(0.14)	-153.15	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		202.54	0.39	-153.54	1	U.S. Geological Survey	Steel Tape		
P	7/19/2005		202.44	(0.10)	-153.44	1	U.S. Geological Survey	Steel Tape		
P	8/18/2005		211.34	8.90	-162.34	1	U.S. Geological Survey	Steel Tape		
P	9/26/2005		212.69	1.35	-163.69	1	U.S. Geological Survey	Steel Tape		
P	10/18/2005		212.88	0.19	-163.88	1	U.S. Geological Survey	Steel Tape		
P	11/17/2005		215.55	2.67	-166.55	1	U.S. Geological Survey	Steel Tape		
P	12/15/2005		218.11	2.56	-169.11	1	U.S. Geological Survey	Steel Tape		
P	1/6/2006		221.7	3.59	-172.7	1	U.S. Geological Survey	Steel Tape		
P	2/6/2006		218.56	(3.14)	-169.56	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		218.44	(0.12)	-169.44	1	U.S. Geological Survey	Steel Tape		
P	4/4/2006		215.48	(2.96)	-166.48	1	U.S. Geological Survey	Steel Tape		
P	5/1/2006		213.73	(1.75)	-164.73	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		216.71	2.98	-167.71	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		208.65	(8.06)	-159.65	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		208.91	0.26	-159.91	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		208.52	(0.39)	-159.52	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		207.9	(0.62)	-158.9	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-742

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/23/2006		207.18	(0.72)	-158.18	1	U.S. Geological Survey	Steel Tape		
P	11/16/2006		206.96	(0.22)	-157.96	1	U.S. Geological Survey	Steel Tape		
P	12/14/2006		207.69	0.73	-158.69	1	U.S. Geological Survey	Steel Tape		
P	1/10/2007		205.86	(1.83)	-156.86	1	U.S. Geological Survey	Steel Tape		
P	2/6/2007		204.44	(1.42)	-155.44	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		202.57	(1.87)	-153.57	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		206.91	4.34	-157.91	1	U.S. Geological Survey	Steel Tape		
P	6/4/2007		199.36	(7.55)	-150.36	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		198.19	(1.17)	-149.19	1	U.S. Geological Survey	Steel Tape		
P	8/21/2007		196.4	(1.79)	-147.4	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		195.56	(0.84)	-146.56	1	U.S. Geological Survey	Steel Tape		
P	10/19/2007		195.05	(0.51)	-146.05	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		194.27	(0.78)	-145.27	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		194.5	0.23	-145.5	1	U.S. Geological Survey	Steel Tape		
P	1/4/2008		193.99	(0.51)	-144.99	1	U.S. Geological Survey	Steel Tape		
P	2/11/2008		192.55	(1.44)	-143.55	1	U.S. Geological Survey	Steel Tape		
P	3/12/2008		190.59	(1.96)	-141.59	1	U.S. Geological Survey	Steel Tape		
P	4/7/2008		189.79	(0.80)	-140.79	1	U.S. Geological Survey	Steel Tape		
P	5/12/2008		189.58	(0.21)	-140.58	1	U.S. Geological Survey	Steel Tape		
P	6/12/2008		189.65	0.07	-140.65	1	U.S. Geological Survey	Electric Line		
P	7/11/2008		189.29	(0.36)	-140.29	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		192.77	3.48	-143.77	1	U.S. Geological Survey	Steel Tape		
P	10/1/2008		193.34	0.57	-144.34	1	U.S. Geological Survey	Steel Tape		
P	10/29/2008		195.57	2.23	-146.57	1	U.S. Geological Survey	Steel Tape		
P	11/25/2008		196.49	0.92	-147.49	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		196.84	0.35	-147.84	1	U.S. Geological Survey	Steel Tape		
P	1/23/2009		198.19	1.35	-149.19	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		199.42	1.23	-150.42	1	U.S. Geological Survey	Steel Tape		
P	4/1/2009		200.04	0.62	-151.04	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		200.42	0.38	-151.42	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		200.71	0.29	-151.71	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		202	1.29	-153	1	U.S. Geological Survey	Steel Tape		
P	7/21/2009		202.69	0.69	-153.69	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		206.32	3.63	-157.32	1	U.S. Geological Survey	Steel Tape		
P	9/16/2009		207.14	0.82	-158.14	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		207.57	0.43	-158.57	1	U.S. Geological Survey	Steel Tape		
P	11/10/2009		207.52	(0.05)	-158.52	1	U.S. Geological Survey	Steel Tape		
P	12/9/2009		206.46	(1.06)	-157.46	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		203.85	(2.61)	-154.85	1	U.S. Geological Survey	Steel Tape		
P	2/10/2010		203.17	(0.68)	-154.17	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		202.05	(1.12)	-153.05	1	U.S. Geological Survey	Steel Tape		
P	3/30/2010		201.61	(0.44)	-152.61	1	U.S. Geological Survey	Electric Line		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-742

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/27/2010		198.16	(3.45)	-149.16	1	U.S. Geological Survey	Steel Tape		
P	10/19/2010		196.74	(1.42)	-147.74	1	U.S. Geological Survey	Steel Tape		
P	1/5/2011		194.74	(2.00)	-145.74	1	U.S. Geological Survey	Electric Line		
P	5/20/2011		190.49	(4.25)	-141.49	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		192.55	2.06	-143.55	1	U.S. Geological Survey	Steel Tape		
P	10/6/2011		204.2	11.65	-155.2	1	U.S. Geological Survey	Steel Tape		
P	1/23/2012		204.81	0.61	-155.81	1	U.S. Geological Survey	Steel Tape		
P	4/18/2012		200.59	(4.22)	-151.59	1	U.S. Geological Survey	Steel Tape		
P	7/5/2012		198.74	(1.85)	-149.74	1	U.S. Geological Survey	Steel Tape		
P	10/15/2012		200.7	1.96	-151.7	1	U.S. Geological Survey	Steel Tape		
P	1/8/2013		198.09	(2.61)	-149.09	1	U.S. Geological Survey	Steel Tape		
P	4/29/2013		192.07	(6.02)	-143.07	1	U.S. Geological Survey	Steel Tape		
P	7/23/2013		190.42	(1.65)	-141.42	1	U.S. Geological Survey	Steel Tape		
P	1/27/2014		192.93	2.51	-143.93	1	U.S. Geological Survey	Electric Line		
P	7/10/2014		189.34	(3.59)	-140.34	1	U.S. Geological Survey	Electric Line		
P	10/10/2014		191.45	2.11	-142.45	1	U.S. Geological Survey	Steel Tape		
P	1/15/2015		188.74	(2.71)	-139.74	1	U.S. Geological Survey	Steel Tape		
P	4/27/2015	1126	185.25	(3.49)	-136.25	1	U.S. Geological Survey	Steel Tape		
P	10/26/2015	1242	189.35	4.10	-140.35	1	U.S. Geological Survey	Electric Line		
P	1/20/2016	0843	189.67	0.32	-140.67	1	U.S. Geological Survey	Electric Line		
P	7/1/2016	1057	186.61	(3.06)	-137.61	1	U.S. Geological Survey	Electric Line		
P	10/24/2016	1434	191.2	4.59	-142.2	1	U.S. Geological Survey	Electric Line		
P	1/31/2017	1353	191.88	0.68	-142.88	1	U.S. Geological Survey	Electric Line		
P	4/20/2017	1421	190.16	(1.72)	-141.16	1	U.S. Geological Survey	Electric Line		
Q	8/16/2017	1406	126.22	(63.94)	-77.22	1	U.S. Geological Survey	Electric Line	12	
P	1/30/2018	1437	189.24	63.02	-140.24	1	U.S. Geological Survey	Electric Line		
P	7/19/2018	1360	190.92	1.68	-141.92	1	U.S. Geological Survey	Electric Line		
P	10/31/2018	1030	193.08	2.16	-144.08	1	U.S. Geological Survey	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
12	Uncertain of reason for questionable measurement

Water Quality Analysis

Sample Date: 2/23/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		200	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514743 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294521 **Longitude** 952139 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Ambassador Apartments

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1910 **Depth** 888 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 813 to 873 ft. Well destoryed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-743

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514743
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.755834
Latitude (degrees minutes seconds)	29° 45' 21" N
Longitude (decimal degrees)	-95.360834
Longitude (degrees minutes seconds)	095° 21' 39" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	888
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1910
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Ambassador Apartments
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 813 to 873 ft. Well destoryed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 2/3/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		228	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		129	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.1	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		266	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		183.55	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		224	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		255	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		173.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		212	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		48	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		238	mg/L	

Water Quality Analysis

Sample Date: 2/17/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		181.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		222	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		54	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		248	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		247.54	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		302	mg/L	
00910	CALCIUM (MG/L)		55	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		82	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		216	mg/L	
00920	MAGNESIUM (MG/L)		19	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.64		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.34		
00932	SODIUM, CALCULATED, PERCENT		44	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		79	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		23	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		406	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514744 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294528 **Longitude** 952138 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Kress Building

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1913 **Depth** 542 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1931
-68.8

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 500 to 540 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-744

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514744
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.757778
Latitude (degrees minutes seconds)	29° 45' 28" N
Longitude (decimal degrees)	-95.360556
Longitude (degrees minutes seconds)	095° 21' 38" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	542
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1913
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Kress Building
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 500 to 540 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

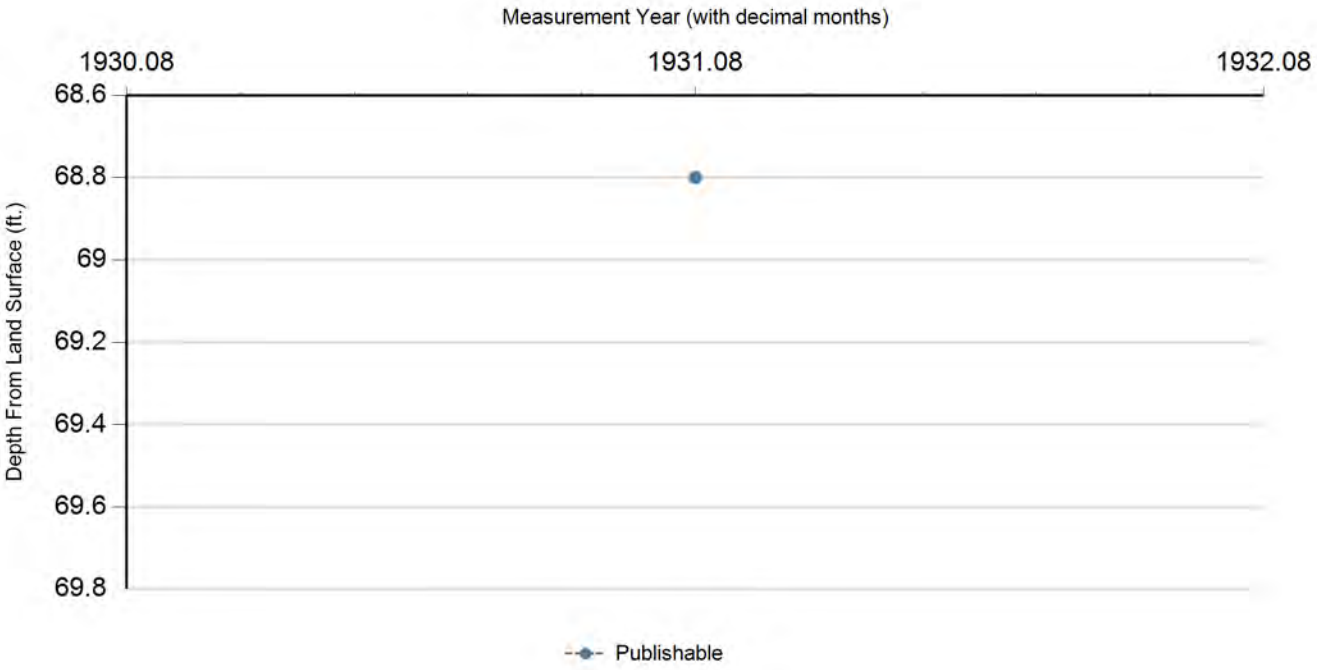
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/1/1931		68.8		-18.8	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. 4J-65-14-745

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by RS SWENSTEIN Source of data DRILLER & OBS Date 2-26-80 Map SETTEGAST, TEX 1967 1:24,000

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 47 28 N Longitude: 095 20 01 Sequential number: 5

Lat-long accuracy: 1 (1 sec) T ____ S, R ____ W, Sec ____, ____ ¼, ____ ¼, ____ ¼ B & M

Local well number: 4J-65-14-745 Other number: NORTHEAST NO. 5

Local use: ____ Owner or name: HARRIS-GALVESTON COASTAL SUBS. DIST.

Owner or name: HGCSD Address: 173- NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [S]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Ø) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [Ø]

DATA AVAILABLE: Well data [2] Freq. W/L meas.: MONTHLY [M] Field aquifer char. [1]

Hyd. lab. data: ____ [ ]

Qual. water data; type: partial [P]

Freq. sampling: ORIGINAL [Ø] Pumpage inventory: yes (no) period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: DRILLER'S log [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 298 ft [298] Meas. rept ____ [3]

Depth cased; (first perf.) 283 ft [283] Casing type: steel Diam. accuracy 4½-2½ in [4]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other ____ [5]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ [H]

Date Drilled: Feb 1980 [980] Pump intake setting: NONE ft [ ]

Driller: O'DAY DRLG Co (name), PEARLAND, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) hole, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] Deep [ ] Shallow [ ]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. ____ [ ] Trans. or meter no. ____

Descrip. MP top of csng +2.0 ft above below LSD, Alt. MP ____

Alt. LSD: 49 [49] Accuracy: (source) 5' TOPO [3]

Water Level 163.40 ft above below MP; Ft above below LSD [163] Accuracy: steel tape [A]

Date meas: 4-24-80 [480] Yield: 9 gpm [9] Method determined [ ]

Drawdown: ____ ft [ ] Accuracy: ____ [ ] Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] pH 8.4 [8] Chloride ____ ppm [ ] HCO_3 Hard. 240 ppm [6]

Sp. Conduct 500 K x 10^6 [3] Temp. 71 °F [71] Date sampled 2-27-80 [280]

Taste, color, etc. ____

Well No.

Well No. LJ-65-14-745

Latitude-longitude ____ d ____ m ____ s N S ____ d ____ m ____ s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN (20–21) 03 Section: WEST GULF

(22) F Drainage Basin: ____ (23–25) 51R Subbasin: ____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (0) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat ____ (27) F

MAJOR AQUIFER: ____ system, ____ series (28–29) Q ____ aquifer, formation, group (30–31) C

Lithology: ____ (32–33) S Origin: ____ (34) 3 Aquifer Thickness: 37 ft

(35–37) 37 Length of well open to: 10 ft (38–40) 10 Depth to top of: 277 ft (41–43) 277

MINOR AQUIFER: ____ system, ____ series (44–45) ____ aquifer, formation, group (46–47) ____

Lithology: ____ (48–49) ____ Origin: ____ (50) ____ Aquifer Thickness: ____ ft

(51–53) ____ Length of well open to: 10 ft (54–56) ____ Depth to top of: ____ ft (57–59) ____

Intervals Screened: 283 - 293 SSWW No. 10 ga 2½" OD

Depth to consolidated rock: ____ ft (60–63) ____ Source of data: ____ (64) ____

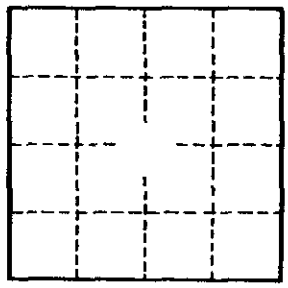
Depth to basement: ____ ft (65–68) ____ Source of data: ____ (69) ____

Surficial material: ____ (70–71) ____ Infiltration characteristics: ____ (72) ____

Coefficient Trans: 53 gpd/ft (73–75) 500 Coefficient Storage: ____ (76–78) ____

Coefficient Perm: ____ gpd/ft^2; Spec cap: ____ gpm/ft; Number of geologic cards: ____ (79) ____

sample for water quality obtained by jetting with air



Well No.

GPO 857-700

Layne-Western Company, Inc. A Marley Company

P.O. Box 79009 · Houston, Texas 77079 · 713/466-5001

L O G - WELL #5 NORTHEAST PLANT SITE

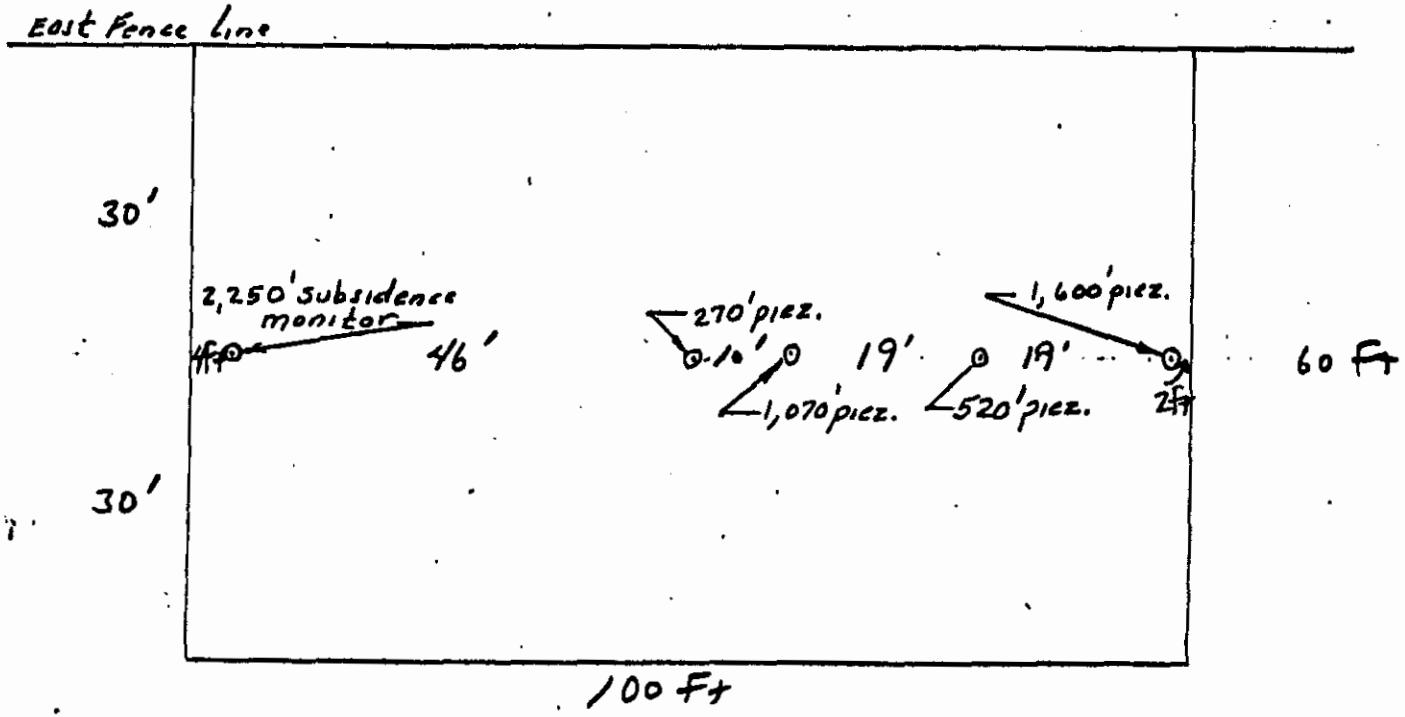
0	3	Top Soil
3	60	Clay
60	80	Sand
80	100	Clay
100	140	Sand
140	170	Clay
170	175	Sand
175	182	Clay
182	247	Sand
247	286	Clay
286	302	Sand

EXHIBIT C

SUBSIDENCE MONITOR/PIEZOMETERS
WELL SYSTEM CONSTRUCTION SITE

NORTHEAST

The construction site is located adjacent to the easterly boundary of the City of Houston Northeast Well Field Plant Yard; said Plant Yard being a tract of land located in the J. S. Collins Survey, Abstract 15, bounded on the north side by Brill Street, on the east side by Tuffly Park, and on the west side by Linn Street.



Northeast side

Layout of piezometers and subsidence monitor

scale: 1" = 20 feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-745

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514745
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791389
Latitude (degrees minutes seconds)	29° 47' 29" N
Longitude (decimal degrees)	-95.333889
Longitude (degrees minutes seconds)	095° 20' 02" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	299
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Coast Subsidence Dist.,N.E.
Driller	O'Day Drlg
Other Data Available	Drillers Log; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294728095200105
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	5
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	8/18/1994
Last Update Date	8/18/1994

Remarks	Owner Coastal Subsidence District Nertheast, well #5.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

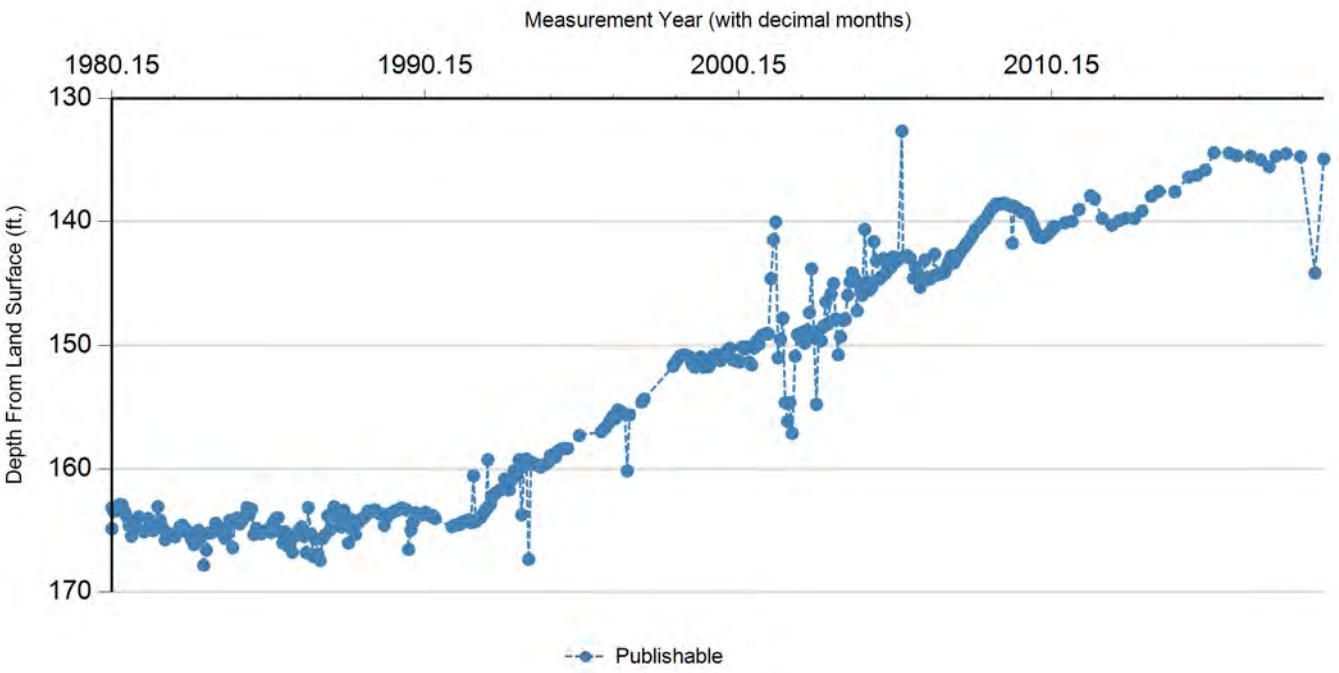
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/27/1980		164.86		-115.86	1	U.S. Geological Survey	Steel Tape		
P	2/28/1980		163.15	(1.71)	-114.15	1	U.S. Geological Survey	Steel Tape		
P	3/18/1980		163.44	0.29	-114.44	1	U.S. Geological Survey	Steel Tape		
P	4/24/1980		163.4	(0.04)	-114.4	1	U.S. Geological Survey	Steel Tape		
P	5/27/1980		162.89	(0.51)	-113.89	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		162.92	0.03	-113.92	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		163.44	0.52	-114.44	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		163.86	0.42	-114.86	1	U.S. Geological Survey	Steel Tape		
P	9/17/1980		164.61	0.75	-115.61	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		165.47	0.86	-116.47	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		164.7	(0.77)	-115.7	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		164.33	(0.37)	-115.33	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		163.9	(0.43)	-114.9	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		165.11	1.21	-116.11	1	U.S. Geological Survey	Steel Tape		
P	3/30/1981		164.97	(0.14)	-115.97	1	U.S. Geological Survey	Steel Tape		
P	4/27/1981		164.02	(0.95)	-115.02	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		164.28	0.26	-115.28	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		165.01	0.73	-116.01	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		164.84	(0.17)	-115.84	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		163.07	(1.77)	-114.07	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		164.18	1.11	-115.18	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/13/1981		164.8	0.62	-115.8	1	U.S. Geological Survey	Steel Tape		
P	11/12/1981		165.76	0.96	-116.76	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		165.44	(0.32)	-116.44	1	U.S. Geological Survey	Steel Tape		
P	1/5/1982		165.25	(0.19)	-116.25	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		165.32	0.07	-116.32	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		165.52	0.20	-116.52	1	U.S. Geological Survey	Steel Tape		
P	3/31/1982		165.18	(0.34)	-116.18	1	U.S. Geological Survey	Steel Tape		
P	4/29/1982		164.69	(0.49)	-115.69	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		164.56	(0.13)	-115.56	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		164.8	0.24	-115.8	1	U.S. Geological Survey	Steel Tape		
P	7/21/1982		165.01	0.21	-116.01	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		165.28	0.27	-116.28	1	U.S. Geological Survey	Steel Tape		
P	9/15/1982		165.73	0.45	-116.73	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		166.15	0.42	-117.15	1	U.S. Geological Survey	Steel Tape		
P	11/10/1982		165.86	(0.29)	-116.86	1	U.S. Geological Survey	Steel Tape		
P	12/8/1982		164.98	(0.88)	-115.98	1	U.S. Geological Survey	Steel Tape		
P	1/5/1983		165.55	0.57	-116.55	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		167.83	2.28	-118.83	1	U.S. Geological Survey	Steel Tape		
P	3/1/1983		166.59	(1.24)	-117.59	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		165.2	(1.39)	-116.2	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		165.18	(0.02)	-116.18	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		165.09	(0.09)	-116.09	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		164.41	(0.68)	-115.41	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		164.7	0.29	-115.7	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		164.94	0.24	-115.94	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		165.31	0.37	-116.31	1	U.S. Geological Survey	Steel Tape		
P	10/11/1983		165.65	0.34	-116.65	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		164.7	(0.95)	-115.7	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		164.17	(0.53)	-115.17	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		166.4	2.23	-117.4	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		164.34	(2.06)	-115.34	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		163.97	(0.37)	-114.97	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		164.47	0.50	-115.47	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		164.22	(0.25)	-115.22	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		163.86	(0.36)	-114.86	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		163.14	(0.72)	-114.14	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		163.7	0.56	-114.7	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		163.26	(0.44)	-114.26	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		165.34	2.08	-116.34	1	U.S. Geological Survey	Steel Tape		
P	10/9/1984		164.83	(0.51)	-115.83	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		165.13	0.30	-116.13	1	U.S. Geological Survey	Steel Tape		
P	12/3/1984		165.27	0.14	-116.27	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/5/1984		165.27	0.00	-116.27	1	U.S. Geological Survey	Unknown		
P	1/2/1985		165.1	(0.17)	-116.1	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		165	(0.10)	-116	1	U.S. Geological Survey	Steel Tape		
P	2/26/1985		164.92	(0.08)	-115.92	1	U.S. Geological Survey	Steel Tape		
P	3/26/1985		165.15	0.23	-116.15	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		164.32	(0.83)	-115.32	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		164.04	(0.28)	-115.04	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		163.96	(0.08)	-114.96	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		165.11	1.15	-116.11	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		166.02	0.91	-117.02	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		165.1	(0.92)	-116.1	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		166.25	1.15	-117.25	1	U.S. Geological Survey	Steel Tape		
P	11/6/1985		166.08	(0.17)	-117.08	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		166.77	0.69	-117.77	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		165.37	(1.40)	-116.37	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		165.4	0.03	-116.4	1	U.S. Geological Survey	Steel Tape		
P	2/12/1986		164.98	(0.42)	-115.98	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		164.7	(0.28)	-115.7	1	U.S. Geological Survey	Unknown		
P	4/11/1986		165.44	0.74	-116.44	1	U.S. Geological Survey	Unknown		
P	5/9/1986		166.8	1.36	-117.8	1	U.S. Geological Survey	Unknown		
P	6/5/1986		163.14	(3.66)	-114.14	1	U.S. Geological Survey	Unknown		
P	7/3/1986		165.26	2.12	-116.26	1	U.S. Geological Survey	Unknown		
P	7/31/1986		167.11	1.85	-118.11	1	U.S. Geological Survey	Unknown		
P	8/28/1986		165.7	(1.41)	-116.7	1	U.S. Geological Survey	Unknown		
P	9/25/1986		166.9	1.20	-117.9	1	U.S. Geological Survey	Unknown		
P	10/23/1986		167.43	0.53	-118.43	1	U.S. Geological Survey	Unknown		
P	11/20/1986		165.65	(1.78)	-116.65	1	U.S. Geological Survey	Unknown		
P	12/17/1986		165.38	(0.27)	-116.38	1	U.S. Geological Survey	Unknown		
P	1/15/1987		163.8	(1.58)	-114.8	1	U.S. Geological Survey	Unknown		
P	2/12/1987		164.95	1.15	-115.95	1	U.S. Geological Survey	Unknown		
P	3/6/1987		163.54	(1.41)	-114.54	1	U.S. Geological Survey	Unknown		
P	4/2/1987		163.07	(0.47)	-114.07	1	U.S. Geological Survey	Unknown		
P	4/30/1987		163.91	0.84	-114.91	1	U.S. Geological Survey	Unknown		
P	5/28/1987		164.21	0.30	-115.21	1	U.S. Geological Survey	Unknown		
P	6/25/1987		164.73	0.52	-115.73	1	U.S. Geological Survey	Unknown		
P	7/23/1987		163.37	(1.36)	-114.37	1	U.S. Geological Survey	Unknown		
P	8/20/1987		163.85	0.48	-114.85	1	U.S. Geological Survey	Unknown		
P	9/17/1987		166.02	2.17	-117.02	1	U.S. Geological Survey	Unknown		
P	10/15/1987		164.62	(1.40)	-115.62	1	U.S. Geological Survey	Unknown		
P	11/12/1987		164.17	(0.45)	-115.17	1	U.S. Geological Survey	Unknown		
P	12/9/1987		165.34	1.17	-116.34	1	U.S. Geological Survey	Unknown		
P	1/7/1988		164.39	(0.95)	-115.39	1	U.S. Geological Survey	Unknown		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-745

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/4/1988		164.13	(0.26)	-115.13	1	U.S. Geological Survey	Unknown		
P	3/3/1988		164	(0.13)	-115	1	U.S. Geological Survey	Unknown		
P	3/31/1988		163.79	(0.21)	-114.79	1	U.S. Geological Survey	Unknown		
P	4/28/1988		163.42	(0.37)	-114.42	1	U.S. Geological Survey	Unknown		
P	5/26/1988		163.49	0.07	-114.49	1	U.S. Geological Survey	Unknown		
P	6/23/1988		163.4	(0.09)	-114.4	1	U.S. Geological Survey	Unknown		
P	7/21/1988		163.31	(0.09)	-114.31	1	U.S. Geological Survey	Unknown		
P	8/18/1988		163.53	0.22	-114.53	1	U.S. Geological Survey	Unknown		
P	9/14/1988		163.65	0.12	-114.65	1	U.S. Geological Survey	Unknown		
P	10/13/1988		163.66	0.01	-114.66	1	U.S. Geological Survey	Unknown		
P	11/9/1988		164.6	0.94	-115.6	1	U.S. Geological Survey	Unknown		
P	12/8/1988		163.96	(0.64)	-114.96	1	U.S. Geological Survey	Unknown		
P	1/5/1989		163.64	(0.32)	-114.64	1	U.S. Geological Survey	Unknown		
P	2/2/1989		163.58	(0.06)	-114.58	1	U.S. Geological Survey	Unknown		
P	3/2/1989		163.42	(0.16)	-114.42	1	U.S. Geological Survey	Unknown		
P	3/29/1989		163.39	(0.03)	-114.39	1	U.S. Geological Survey	Unknown		
P	4/27/1989		163.29	(0.10)	-114.29	1	U.S. Geological Survey	Unknown		
P	5/25/1989		163.15	(0.14)	-114.15	1	U.S. Geological Survey	Unknown		
P	7/20/1989		163.29	0.14	-114.29	1	U.S. Geological Survey	Unknown		
P	8/17/1989		166.54	3.25	-117.54	1	U.S. Geological Survey	Unknown		
P	9/14/1989		164.97	(1.57)	-115.97	1	U.S. Geological Survey	Unknown		
P	10/12/1989		164.29	(0.68)	-115.29	1	U.S. Geological Survey	Unknown		
P	11/8/1989		163.55	(0.74)	-114.55	1	U.S. Geological Survey	Unknown		
P	12/7/1989		163.71	0.16	-114.71	1	U.S. Geological Survey	Unknown		
P	1/4/1990		163.66	(0.05)	-114.66	1	U.S. Geological Survey	Unknown		
P	2/1/1990		163.73	0.07	-114.73	1	U.S. Geological Survey	Steel Tape		
P	3/1/1990		163.52	(0.21)	-114.52	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		163.83	0.31	-114.83	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		163.78	(0.05)	-114.78	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		164.04	0.26	-115.04	1	U.S. Geological Survey	Steel Tape		
P	1/3/1991		164.7	0.66	-115.7	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		164.69	(0.01)	-115.69	1	U.S. Geological Survey	Steel Tape		
P	2/1/1991		164.56	(0.13)	-115.56	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		164.52	(0.04)	-115.52	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		164.34	(0.18)	-115.34	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		164.26	(0.08)	-115.26	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		164.28	0.02	-115.28	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		164.13	(0.15)	-115.13	1	U.S. Geological Survey	Steel Tape		
P	8/15/1991		164.36	0.23	-115.36	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		160.57	(3.79)	-111.57	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		164.29	3.72	-115.29	1	U.S. Geological Survey	Steel Tape		
P	11/8/1991		164.08	(0.21)	-115.08	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/6/1991		163.96	(0.12)	-114.96	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		163.64	(0.32)	-114.64	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		163.31	(0.33)	-114.31	1	U.S. Geological Survey	Steel Tape		
P	2/25/1992		159.26	(4.05)	-110.26	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		163.08	3.82	-114.08	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		162.86	(0.22)	-113.86	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		162.21	(0.65)	-113.21	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		161.97	(0.24)	-112.97	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		161.86	(0.11)	-112.86	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		161.72	(0.14)	-112.72	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		161.65	(0.07)	-112.65	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		160.83	(0.82)	-111.83	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		161.54	0.71	-112.54	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		161.72	0.18	-112.72	1	U.S. Geological Survey	Steel Tape		
P	12/2/1992		160.93	(0.79)	-111.93	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		160.17	(0.76)	-111.17	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		160.48	0.31	-111.48	1	U.S. Geological Survey	Steel Tape		
P	2/25/1993		159.26	(1.22)	-110.26	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		163.73	4.47	-114.73	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		159.74	(3.99)	-110.74	1	U.S. Geological Survey	Steel Tape		
P	5/19/1993		159.19	(0.55)	-110.19	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		167.34	8.15	-118.34	1	U.S. Geological Survey	Steel Tape		
P	7/15/1993		159.45	(7.89)	-110.45	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		159.6	0.15	-110.6	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		159.64	0.04	-110.64	1	U.S. Geological Survey	Steel Tape		
P	10/7/1993		159.68	0.04	-110.68	1	U.S. Geological Survey	Steel Tape		
P	11/5/1993		159.86	0.18	-110.86	1	U.S. Geological Survey	Steel Tape		
P	12/29/1993		159.64	(0.22)	-110.64	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		159.48	(0.16)	-110.48	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		158.92	(0.56)	-109.92	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		158.84	(0.08)	-109.84	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		159.05	0.21	-110.05	1	U.S. Geological Survey	Steel Tape		
P	5/20/1994		158.57	(0.48)	-109.57	1	U.S. Geological Survey	Steel Tape		
P	6/16/1994		158.46	(0.11)	-109.46	1	U.S. Geological Survey	Steel Tape		
P	7/14/1994		158.36	(0.10)	-109.36	1	U.S. Geological Survey	Steel Tape		
P	8/11/1994		158.35	(0.01)	-109.35	1	U.S. Geological Survey	Steel Tape		
P	9/13/1994		158.35	0.00	-109.35	1	U.S. Geological Survey	Steel Tape		
P	1/27/1995		157.29	(1.06)	-108.29	1	U.S. Geological Survey	Steel Tape		
P	10/12/1995		156.99	(0.30)	-107.99	1	U.S. Geological Survey	Steel Tape		
P	11/21/1995		156.7	(0.29)	-107.7	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		156.68	(0.02)	-107.68	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		156.29	(0.39)	-107.29	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/25/1996		156.05	(0.24)	-107.05	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		155.74	(0.31)	-106.74	1	U.S. Geological Survey	Steel Tape		
P	3/21/1996		155.93	0.19	-106.93	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		155.22	(0.71)	-106.22	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		155.33	0.11	-106.33	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		155.44	0.11	-106.44	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		155.58	0.14	-106.58	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		160.17	4.59	-111.17	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		155.63	(4.54)	-106.63	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		154.58	(1.05)	-105.58	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		154.34	(0.24)	-105.34	1	U.S. Geological Survey	Steel Tape		
P	1/23/1998		151.68	(2.66)	-102.68	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		151.4	(0.28)	-102.4	1	U.S. Geological Survey	Steel Tape		
P	3/19/1998		151.09	(0.31)	-102.09	1	U.S. Geological Survey	Steel Tape		
P	4/15/1998		150.86	(0.23)	-101.86	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		150.78	(0.08)	-101.78	1	U.S. Geological Survey	Steel Tape		
P	6/11/1998		150.74	(0.04)	-101.74	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		150.85	0.11	-101.85	1	U.S. Geological Survey	Steel Tape		
P	8/11/1998		150.92	0.07	-101.92	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		151.5	0.58	-102.5	1	U.S. Geological Survey	Steel Tape		
P	10/5/1998		151.75	0.25	-102.75	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		151.66	(0.09)	-102.66	1	U.S. Geological Survey	Steel Tape		
P	11/23/1998		151.38	(0.28)	-102.38	1	U.S. Geological Survey	Steel Tape		
P	12/16/1998		150.92	(0.46)	-101.92	1	U.S. Geological Survey	Steel Tape		
P	1/14/1999		151.75	0.83	-102.75	1	U.S. Geological Survey	Unknown		
P	2/16/1999		151.52	(0.23)	-102.52	1	U.S. Geological Survey	Unknown		
P	3/15/1999		151.73	0.21	-102.73	1	U.S. Geological Survey	Steel Tape		
P	4/8/1999		151.04	(0.69)	-102.04	1	U.S. Geological Survey	Steel Tape		
P	5/7/1999		150.82	(0.22)	-101.82	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		150.73	(0.09)	-101.73	1	U.S. Geological Survey	Steel Tape		
P	7/2/1999		151.07	0.34	-102.07	1	U.S. Geological Survey	Steel Tape		
P	7/28/1999		151.23	0.16	-102.23	1	U.S. Geological Survey	Steel Tape		
P	8/27/1999		150.69	(0.54)	-101.69	1	U.S. Geological Survey	Steel Tape		
P	9/27/1999		150.81	0.12	-101.81	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		150.35	(0.46)	-101.35	1	U.S. Geological Survey	Steel Tape		
P	11/22/1999		150.21	(0.14)	-101.21	1	U.S. Geological Survey	Steel Tape		
P	12/23/1999		151.17	0.96	-102.17	1	U.S. Geological Survey	Steel Tape		
P	1/12/2000		151.22	0.05	-102.22	1	U.S. Geological Survey	Steel Tape		
P	2/11/2000		151.22	0.00	-102.22	1	U.S. Geological Survey	Steel Tape		
P	3/11/2000		151.34	0.12	-102.34	1	U.S. Geological Survey	Steel Tape		
P	4/6/2000		150.12	(1.22)	-101.12	1	U.S. Geological Survey	Steel Tape		
P	5/8/2000		150.27	0.15	-101.27	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/31/2000		150.11	(0.16)	-101.11	1	U.S. Geological Survey	Steel Tape		
P	6/29/2000		151.35	1.24	-102.35	1	U.S. Geological Survey	Steel Tape		
P	7/27/2000		151.58	0.23	-102.58	1	U.S. Geological Survey	Steel Tape		
P	8/23/2000		150.21	(1.37)	-101.21	1	U.S. Geological Survey	Steel Tape		
P	9/21/2000		149.66	(0.55)	-100.66	1	U.S. Geological Survey	Steel Tape		
P	10/23/2000		149.9	0.24	-100.9	1	U.S. Geological Survey	Steel Tape		
P	11/21/2000		149.21	(0.69)	-100.21	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		149.11	(0.10)	-100.11	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		149.03	(0.08)	-100.03	1	U.S. Geological Survey	Steel Tape		
P	2/8/2001		149.06	0.03	-100.06	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		144.63	(4.43)	-95.63	1	U.S. Geological Survey	Steel Tape		
P	4/5/2001		141.47	(3.16)	-92.47	1	U.S. Geological Survey	Steel Tape		
P	5/3/2001		140.03	(1.44)	-91.03	1	U.S. Geological Survey	Steel Tape		
P	5/30/2001		151	10.97	-102	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		149.5	(1.50)	-100.5	1	U.S. Geological Survey	Steel Tape		
P	7/27/2001		147.81	(1.69)	-98.81	1	U.S. Geological Survey	Steel Tape		
P	8/23/2001		154.63	6.82	-105.63	1	U.S. Geological Survey	Steel Tape		
P	9/21/2001		156.16	1.53	-107.16	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		154.62	(1.54)	-105.62	1	U.S. Geological Survey	Steel Tape		
P	11/15/2001		157.11	2.49	-108.11	1	U.S. Geological Survey	Steel Tape		
P	12/19/2001		150.86	(6.25)	-101.86	1	U.S. Geological Survey	Steel Tape		
P	1/11/2002		149.11	(1.75)	-100.11	1	U.S. Geological Survey	Steel Tape		
P	2/6/2002		149.33	0.22	-100.33	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		148.92	(0.41)	-99.92	1	U.S. Geological Survey	Steel Tape		
P	4/3/2002		149.8	0.88	-100.8	1	U.S. Geological Survey	Steel Tape		
P	5/3/2002		148.75	(1.05)	-99.75	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		147.39	(1.36)	-98.39	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		143.82	(3.57)	-94.82	1	U.S. Geological Survey	Steel Tape		
P	7/24/2002		149.34	5.52	-100.34	1	U.S. Geological Survey	Steel Tape		
P	8/22/2002		154.77	5.43	-105.77	1	U.S. Geological Survey	Steel Tape		
P	9/20/2002		148.81	(5.96)	-99.81	1	U.S. Geological Survey	Steel Tape		
P	10/18/2002		149.62	0.81	-100.62	1	U.S. Geological Survey	Steel Tape		
P	11/15/2002		148.47	(1.15)	-99.47	1	U.S. Geological Survey	Steel Tape		
P	12/13/2002		146.51	(1.96)	-97.51	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		148.24	1.73	-99.24	1	U.S. Geological Survey	Steel Tape		
P	2/6/2003		145.86	(2.38)	-96.86	1	U.S. Geological Survey	Steel Tape		
P	3/6/2003		145.01	(0.85)	-96.01	1	U.S. Geological Survey	Steel Tape		
P	4/2/2003		147.89	2.88	-98.89	1	U.S. Geological Survey	Steel Tape		
P	5/2/2003		150.75	2.86	-101.75	1	U.S. Geological Survey	Steel Tape		
P	5/28/2003		149.29	(1.46)	-100.29	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		147.98	(1.31)	-98.98	1	U.S. Geological Survey	Steel Tape		
P	7/24/2003		147.89	(0.09)	-98.89	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/21/2003		145.96	(1.93)	-96.96	1	U.S. Geological Survey	Steel Tape		
P	9/19/2003		144.88	(1.08)	-95.88	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		144.15	(0.73)	-95.15	1	U.S. Geological Survey	Steel Tape		
P	11/13/2003		144.61	0.46	-95.61	1	U.S. Geological Survey	Steel Tape		
P	12/11/2003		147.24	2.63	-98.24	1	U.S. Geological Survey	Steel Tape		
P	1/12/2004		145.24	(2.00)	-96.24	1	U.S. Geological Survey	Steel Tape		
P	2/5/2004		145.98	0.74	-96.98	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		140.63	(5.35)	-91.63	1	U.S. Geological Survey	Steel Tape		
P	3/30/2004		144.86	4.23	-95.86	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		145.56	0.70	-96.56	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		145.32	(0.24)	-96.32	1	U.S. Geological Survey	Steel Tape		
P	6/22/2004		141.62	(3.70)	-92.62	1	U.S. Geological Survey	Steel Tape		
P	7/20/2004		143.19	1.57	-94.19	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		144.69	1.50	-95.69	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		144.52	(0.17)	-95.52	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		142.99	(1.53)	-93.99	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		144.19	1.20	-95.19	1	U.S. Geological Survey	Steel Tape		
P	12/6/2004		143.74	(0.45)	-94.74	1	U.S. Geological Survey	Steel Tape		
P	1/6/2005		143.71	(0.03)	-94.71	1	U.S. Geological Survey	Steel Tape		
P	2/2/2005		142.85	(0.86)	-93.85	1	U.S. Geological Survey	Steel Tape		
P	3/2/2005		143.27	0.42	-94.27	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		143.09	(0.18)	-94.09	1	U.S. Geological Survey	Steel Tape		
P	5/12/2005		132.65	(10.44)	-83.65	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		142.84	10.19	-93.84	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		142.86	0.02	-93.86	1	U.S. Geological Survey	Steel Tape		
P	7/19/2005		142.76	(0.10)	-93.76	1	U.S. Geological Survey	Steel Tape		
P	8/18/2005		142.97	0.21	-93.97	1	U.S. Geological Survey	Steel Tape		
P	9/26/2005		144.58	1.61	-95.58	1	U.S. Geological Survey	Steel Tape		
P	10/18/2005		143.71	(0.87)	-94.71	1	U.S. Geological Survey	Steel Tape		
P	11/17/2005		144.19	0.48	-95.19	1	U.S. Geological Survey	Steel Tape		
P	12/15/2005		145.33	1.14	-96.33	1	U.S. Geological Survey	Steel Tape		
P	1/6/2006		144.64	(0.69)	-95.64	1	U.S. Geological Survey	Steel Tape		
P	2/6/2006		143.11	(1.53)	-94.11	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		144.7	1.59	-95.7	1	U.S. Geological Survey	Steel Tape		
P	4/4/2006		144.65	(0.05)	-95.65	1	U.S. Geological Survey	Steel Tape		
P	5/1/2006		144.45	(0.20)	-95.45	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		142.63	(1.82)	-93.63	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		144.33	1.70	-95.33	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		144.2	(0.13)	-95.2	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		144.23	0.03	-95.23	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		144.11	(0.12)	-95.11	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		143.68	(0.43)	-94.68	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/16/2006		143.23	(0.45)	-94.23	1	U.S. Geological Survey	Steel Tape		
P	12/14/2006		142.77	(0.46)	-93.77	1	U.S. Geological Survey	Steel Tape		
P	1/10/2007		143.34	0.57	-94.34	1	U.S. Geological Survey	Steel Tape		
P	2/6/2007		143.02	(0.32)	-94.02	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		142.58	(0.44)	-93.58	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		142.38	(0.20)	-93.38	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		142.11	(0.27)	-93.11	1	U.S. Geological Survey	Steel Tape		
P	6/4/2007		141.81	(0.30)	-92.81	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		141.6	(0.21)	-92.6	1	U.S. Geological Survey	Steel Tape		
P	7/24/2007		141.37	(0.23)	-92.37	1	U.S. Geological Survey	Steel Tape		
P	8/21/2007		141.03	(0.34)	-92.03	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		140.64	(0.39)	-91.64	1	U.S. Geological Survey	Steel Tape		
P	10/19/2007		140.5	(0.14)	-91.5	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		140.24	(0.26)	-91.24	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		140	(0.24)	-91	1	U.S. Geological Survey	Steel Tape		
P	1/4/2008		139.87	(0.13)	-90.87	1	U.S. Geological Survey	Steel Tape		
P	2/11/2008		139.43	(0.44)	-90.43	1	U.S. Geological Survey	Steel Tape		
P	3/12/2008		139.08	(0.35)	-90.08	1	U.S. Geological Survey	Steel Tape		
P	4/7/2008		138.88	(0.20)	-89.88	1	U.S. Geological Survey	Steel Tape		
P	5/12/2008		138.57	(0.31)	-89.57	1	U.S. Geological Survey	Steel Tape		
P	6/12/2008		138.57	0.00	-89.57	1	U.S. Geological Survey	Steel Tape		
P	7/11/2008		138.59	0.02	-89.59	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		138.5	(0.09)	-89.5	1	U.S. Geological Survey	Steel Tape		
P	10/1/2008		138.64	0.14	-89.64	1	U.S. Geological Survey	Steel Tape		
P	10/29/2008		138.71	0.07	-89.71	1	U.S. Geological Survey	Steel Tape		
P	11/25/2008		141.75	3.04	-92.75	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		138.76	(2.99)	-89.76	1	U.S. Geological Survey	Steel Tape		
P	1/23/2009		138.97	0.21	-89.97	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		139.25	0.28	-90.25	1	U.S. Geological Survey	Steel Tape		
P	4/1/2009		139.26	0.01	-90.26	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		139.29	0.03	-90.29	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		139.5	0.21	-90.5	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		139.94	0.44	-90.94	1	U.S. Geological Survey	Steel Tape		
P	7/21/2009		140.33	0.39	-91.33	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		140.77	0.44	-91.77	1	U.S. Geological Survey	Steel Tape		
P	9/16/2009		141.18	0.41	-92.18	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		141.28	0.10	-92.28	1	U.S. Geological Survey	Steel Tape		
P	11/10/2009		141.32	0.04	-92.32	1	U.S. Geological Survey	Steel Tape		
P	12/9/2009		141.17	(0.15)	-92.17	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		141.03	(0.14)	-92.03	1	U.S. Geological Survey	Steel Tape		
P	2/10/2010		140.76	(0.27)	-91.76	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		140.39	(0.37)	-91.39	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-14-745

groundwater division

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/30/2010		140.42	0.03	-91.42	1	U.S. Geological Survey	Electric Line		
P	7/27/2010		140.1	(0.32)	-91.1	1	U.S. Geological Survey	Steel Tape		
P	10/19/2010		139.97	(0.13)	-90.97	1	U.S. Geological Survey	Steel Tape		
P	1/5/2011		139.03	(0.94)	-90.03	1	U.S. Geological Survey	Electric Line		
P	5/20/2011		137.9	(1.13)	-88.9	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		138.16	0.26	-89.16	1	U.S. Geological Survey	Steel Tape		
P	10/6/2011		139.74	1.58	-90.74	1	U.S. Geological Survey	Steel Tape		
P	1/23/2012		140.29	0.55	-91.29	1	U.S. Geological Survey	Steel Tape		
P	4/18/2012		139.91	(0.38)	-90.91	1	U.S. Geological Survey	Steel Tape		
P	7/5/2012		139.72	(0.19)	-90.72	1	U.S. Geological Survey	Steel Tape		
P	10/15/2012		139.75	0.03	-90.75	1	U.S. Geological Survey	Steel Tape		
P	1/8/2013		139.14	(0.61)	-90.14	1	U.S. Geological Survey	Steel Tape		
P	4/29/2013		137.94	(1.20)	-88.94	1	U.S. Geological Survey	Steel Tape		
P	7/23/2013		137.54	(0.40)	-88.54	1	U.S. Geological Survey	Steel Tape		
P	1/27/2014		137.58	0.04	-88.58	1	U.S. Geological Survey	Electric Line		
P	7/10/2014		136.39	(1.19)	-87.39	1	U.S. Geological Survey	Electric Line		
P	10/10/2014		136.24	(0.15)	-87.24	1	U.S. Geological Survey	Steel Tape		
P	1/15/2015		135.82	(0.42)	-86.82	1	U.S. Geological Survey	Electric Line		
P	4/27/2015	1052	134.41	(1.41)	-85.41	1	U.S. Geological Survey	Steel Tape		
P	10/26/2015	1237	134.44	0.03	-85.44	1	U.S. Geological Survey	Electric Line		
P	1/20/2016	0837	134.66	0.22	-85.66	1	U.S. Geological Survey	Electric Line		
P	7/1/2016	1102	134.69	0.03	-85.69	1	U.S. Geological Survey	Electric Line		
P	10/24/2016	1440	134.99	0.30	-85.99	1	U.S. Geological Survey	Electric Line		
P	1/31/2017	1422	135.54	0.55	-86.54	1	U.S. Geological Survey	Steel Tape		
P	4/20/2017	1417	134.69	(0.85)	-85.69	1	U.S. Geological Survey	Electric Line		
P	8/16/2017	1401	134.48	(0.21)	-85.48	1	U.S. Geological Survey	Electric Line		
P	1/30/2018	1440	134.72	0.24	-85.72	1	U.S. Geological Survey	Electric Line		
P	7/19/2018	1340	144.17	9.45	-95.17	1	U.S. Geological Survey	Electric Line		
P	10/31/2018	1032	134.92	(9.25)	-85.92	1	U.S. Geological Survey	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/27/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		24	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		22	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-14-746

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

1:24,000

Record by SONENSHEIN Source of data OBS & DRILLER Date 4-28-80 Map SETTEGAST, TX 1967

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 47 27.8 N Longitude: 095 20 01 Sequential number: 6

Lat-long accuracy: T S, R W, Sec , , , ,

Local well number: LJ-65-14-746 Other number: NORTHEAST NO. 1 B & M EXTENSOMETER HARRIS-GALVESTON COASTAL

Local use: Owner or name: SUBSIDENCE DISTRICT

Owner or name: HGCSD Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [S]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Ø) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [Ø]

DATA AVAILABLE: Well data [2] Freq. W/L meas.: MONTHLY [M] Field aquifer char. [T]

Hyd. lab. data:

Qual. water data; type: partial

Freq. sampling: ORIGINAL [Ø] Pumpage inventory: yes (no) period:

Aperture cards: yes

Log data: DRILLER'S, CALIPER, INDUCTION & MICRO ELECTRIC, SONIC, GAMMA, NEUTRON & DENSITY [Y S]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2170 ft 2170 Meas. rept accuracy [4]

Depth cased; (first perf.) 2099 ft 2099 Casing type: steel ; Diam. 5½ / in [S]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: APR 1980 [980] Pump intake setting: NONE ft

Driller: LAYNE-TEXAS Co. (name), HOUSTON, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [W] Deep Shallow [-]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. Trans. or meter no.

Descrip. MP Plug in 5" CSNG + 2.0 ft above below LSD, Alt. MP

Alt. LSD: 49 49 Accuracy: (source) 5' TOPO [3]

Water Level 394.93 ft above below MP; Ft above below LSD 394 Accuracy: steel tape [A]

Date meas: 5-27-80 [580] Yield: 18.5 gpm [19] Method determined [I]

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Silica 9.0 ppm [9] Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. 79 °F [79] Date sampled 4-25-80 [480]

Taste, color, etc.

Well No.

Well No. L-65-14-746

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 0 3 (20–21) Section:

F (22) Drainage Basin: 5 1 R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat F (27)

MAJOR AQUIFER: system, series T F (28–29) EVANGELINE aquifer, formation, group E (30–31)

Lithology: S (32–33) Origin: 3 (34) Aquifer Thickness: 61 ft

61 (35–37) Length of well open to: 20 ft 20 (38–40) Depth to top of: 2085 ft B 0 9 (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: 2099-2119 SSWW No. 12 GAUGE 5½" OD

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: 74 gpd/ft 7 4 0 (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)

sample for water quality obtained by jetting with air

initial hole drilled to 2250 - filled in bottom hole with cement plug to 2170

5½" csng to 2170 with slip joint from 2141 to 2149.5 ft

Well No.

GPO 857-700

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7J
Located on map YES
Received: 7H

1) OWNER Harris-Galveston Coastal Subsidence District (Name) Address P. O. Box 58847 (Street or RFD) Houston, Texas (City) (State) 77058 (Zip)

2) LOCATION OF WELL: County Harris 5 miles in N.E. (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **Legal description:**
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey linas _____

☒ **See attached map.**

3) **TYPE OF WORK** (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check):
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☒ Test Well ☐ Other _____

5) **DRILLING METHOD** (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) **WELL LOG:**
#5
Date drilled 3-10-80

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
7-7/8	Surface	299

7) **BOREHOLE COMPLETION:**
☐ Open Hole ☒ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
		See Attached

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4½	N	Steel	+2	279	.237
2½	N	Steel	269	284	
2½	N	SST Screen	284	294	
2½	N	Steel	294	299	

CEMENTING DATA
Cemented from 0 ft. to 279 ft.
Method used Pressure
Cemented by O'Day Drilling (Company or Individual)

9) **WATER LEVEL:**
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

10) **PACKERS:** Type Lead Depth 269

11) **TYPE PUMP:**
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

12) **WELL TESTS:**
☐ Type Test: ☐ Pump ☐ Bailer ☒ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

(Use reverse side if necessary)

13) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strate _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore (Street or RFD) Houston, (City) Texas (State) 77041 (Zip)

(Signed) James O'Connor (Water Well Driller) LAYNE-WESTERN COMPANY, INC. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

65-14-746

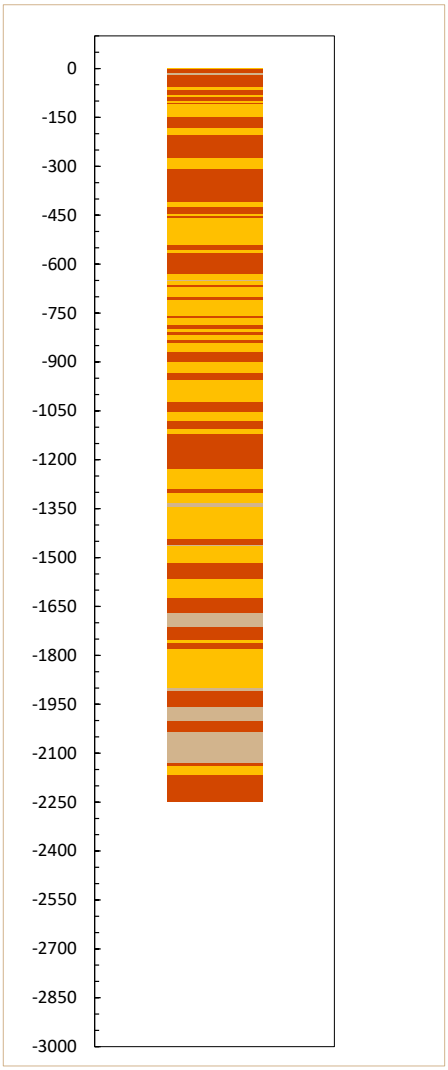
TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

Northeast

ID 6514746 LS 54

Top	Bot	desc	Thick	TopAlt	BotAlt	Lith
0	2	topsoil	-2	54	52	
2	15	clay	-13	52	39	
15	19	sand	-4	39	35	
19	58	clay	-39	35	-4	
58	66	sandy clay	-8	-4	-12	
66	83	clay	-17	-12	-29	
83	88	sandy clay	-5	-29	-34	
88	100	clay	-12	-34	-46	
100	106	sandy clay	-6	-46	-52	
106	110	clay	-4	-52	-56	
110	149	sandy clay	-39	-56	-95	
149	185	clay	-36	-95	-131	
185	204	sandy clay	-19	-131	-150	
204	275	clay	-71	-150	-221	
275	310	sandy clay	-35	-221	-256	
310	409	clay	-99	-256	-355	
409	424	sandy clay	-15	-355	-370	
424	445	clay	-21	-370	-391	
445	454	sandy clay	-9	-391	-400	
454	458	clay	-4	-400	-404	
458	540	sandy clay	-82	-404	-486	
540	558	clay	-18	-486	-504	
558	566	sandy clay	-8	-504	-512	
566	629	clay	-63	-512	-575	
629	650	sandy clay	-21	-575	-596	
650	653	sand	-3	-596	-599	
653	666	sandy clay	-13	-599	-612	
666	670	clay	-4	-612	-616	
670	701	sandy clay	-31	-616	-647	
701	710	clay	-9	-647	-656	
710	761	sandy clay	-51	-656	-707	
761	766	clay	-5	-707	-712	
766	787	sandy clay	-21	-712	-733	
787	801	clay	-14	-733	-747	
801	808	sandy clay	-7	-747	-754	
808	816	clay	-8	-754	-762	
816	834	sandy clay	-18	-762	-780	
834	843	clay	-9	-780	-789	
843	870	sandy clay	-27	-789	-816	
870	900	clay	-30	-816	-846	
900	936	sandy clay	-36	-846	-882	
936	956	clay	-20	-882	-902	
956	1025	sandy clay	-69	-902	-971	
1025	1054	clay	-29	-971	-1000	
1054	1083	sandy clay	-29	-1000	-1029	
1083	1105	clay	-22	-1029	-1051	
1105	1120	sandy clay	-15	-1051	-1066	
1120	1230	clay	-110	-1066	-1176	
1230	1290	sandy clay	-60	-1176	-1236	
1290	1303	clay	-13	-1236	-1249	
1303	1332	sandy clay	-29	-1249	-1278	
1332	1346	sand	-14	-1278	-1292	
1346	1444	sandy clay	-98	-1292	-1390	
1444	1461	clay	-17	-1390	-1407	
1461	1466	sand	-5	-1407	-1412	
1466	1518	sandy clay	-52	-1412	-1464	
1518	1565	clay	-47	-1464	-1511	
1565	1626	sandy clay	-61	-1511	-1572	
1626	1670	clay	-44	-1572	-1616	
1670	1714	sandy clay	-44	-1616	-1660	
1714	1754	clay	-40	-1660	-1700	
1754	1762	sandy clay	-8	-1700	-1708	
1762	1782	clay	-20	-1708	-1728	
1782	1900	sandy clay	-118	-1728	-1846	
1900	1910	sand	-10	-1846	-1856	
1910	1958	clay	-48	-1856	-1904	
1958	2002	sand	-44	-1904	-1948	
2002	2036	clay	-34	-1948	-1982	
2036	2132	sand	-96	-1982	-2078	
2132	2138	clay	-6	-2078	-2084	
2138	2168	sandy clay	-30	-2084	-2114	
2168	2250	clay	-82	-2114	-2196	



Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-746

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514746
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791389
Latitude (degrees minutes seconds)	29° 47' 29" N
Longitude (decimal degrees)	-95.333889
Longitude (degrees minutes seconds)	095° 20' 02" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2170
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Coast Subsidence Dist.,N.E.
Driller	Layne-Texas
Other Data Available	Caliper; Electric Log; Gamma Ray; Induction; Neutron; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294728095200106
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	1
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/7/1999
Last Update Date	10/7/1999

Remarks	Owner Coastal Susidence District Northeast, well #1. Reported yield 19 gpm with 66 ft drawdown.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
	Screen	Unknown			2099	2119

Well Tests - No Data

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	2	topsoil
2	15	clay
15	19	sand
19	58	clay
58	66	sandy clay
66	83	clay
83	88	sandy clay

88	100	clay
100	106	sandy clay
106	110	clay
110	149	sandy clay
149	185	clay
185	204	sandy clay
204	275	clay
275	310	sandy clay
310	409	clay
409	424	sandy clay
424	445	clay
445	454	sandy clay
454	458	clay
458	540	sandy clay
540	558	clay
558	566	sandy clay
566	629	clay
629	650	sandy clay
650	653	sand
653	666	sandy clay
666	670	clay
670	701	sandy clay
701	710	clay
710	761	sandy clay
761	766	clay
766	787	sandy clay
787	801	clay
801	808	sandy clay
808	816	clay
816	834	sandy clay
834	843	clay
843	870	sandy clay
870	900	clay
900	936	sandy clay
936	956	clay
956	1025	sandy clay
1025	1054	clay
1054	1083	sandy clay
1083	1105	clay
1105	1120	sandy clay
1120	1230	clay
1230	1290	sandy clay
1290	1303	clay
1303	1332	sandy clay
1332	1346	sand

1346	1444	sandy clay
1444	1461	clay
1461	1466	sand
1466	1518	sandy clay
1518	1565	clay
1565	1626	sandy clay
1626	1670	clay
1670	1714	sandy clay
1714	1754	clay
1754	1762	sandy clay
1762	1782	clay
1782	1900	sandy clay
1900	1910	sand
1910	1958	clay
1958	2002	sand
2002	2036	clay
2036	2132	sand
2132	2138	clay
2138	2168	sandy clay
2168	2250	clay

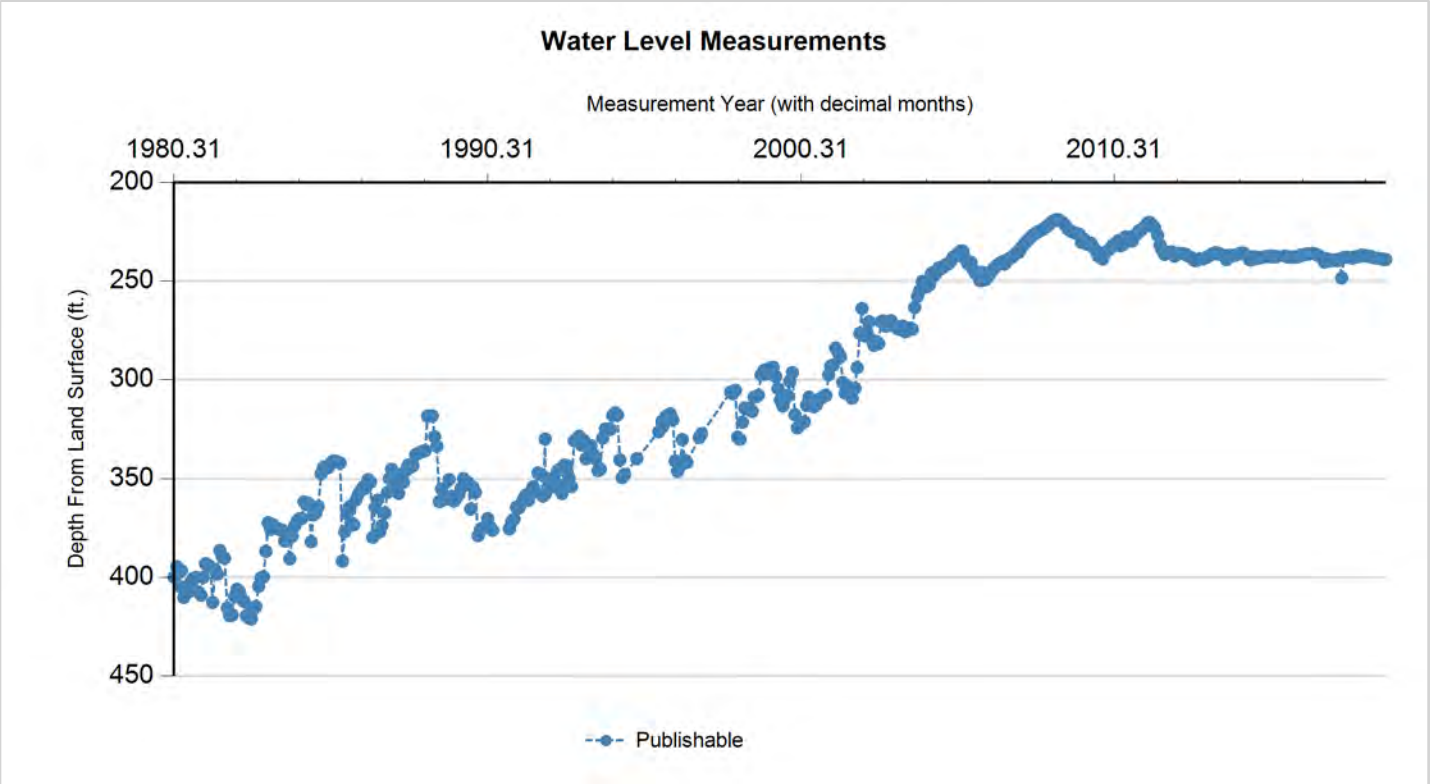
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/25/1980		399.84		-350.84	1	U.S. Geological Survey	Electric Line		
P	5/27/1980		394.43	(5.41)	-345.43	1	U.S. Geological Survey	Steel Tape		
X	6/24/1980					1	U.S. Geological Survey	Steel Tape	22	
P	7/11/1980		404.64		-355.64	1	U.S. Geological Survey	Steel Tape		
P	7/22/1980		396.48	(8.16)	-347.48	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		410.11	13.63	-361.11	1	U.S. Geological Survey	Steel Tape		
P	9/17/1980		408.2	(1.91)	-359.2	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		407.39	(0.81)	-358.39	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		402.54	(4.85)	-353.54	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		400.41	(2.13)	-351.41	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		399.89	(0.52)	-350.89	1	U.S. Geological Survey	Steel Tape		
P	2/5/1981		407.37	7.48	-358.37	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		408.99	1.62	-359.99	1	U.S. Geological Survey	Steel Tape		
P	3/30/1981		399.89	(9.10)	-350.89	1	U.S. Geological Survey	Steel Tape		
P	4/27/1981		393.01	(6.88)	-344.01	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		393.77	0.76	-344.77	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		394.62	0.85	-345.62	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		412.59	17.97	-363.59	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		396.15	(16.44)	-347.15	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		398.23	2.08	-349.23	1	U.S. Geological Survey	Steel Tape		
P	10/13/1981		386.29	(11.94)	-337.29	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/12/1981		389.53	3.24	-340.53	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		390.17	0.64	-341.17	1	U.S. Geological Survey	Steel Tape		
P	1/5/1982		415.5	25.33	-366.5	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		419.33	3.83	-370.33	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		419	(0.33)	-370	1	U.S. Geological Survey	Steel Tape		
P	3/31/1982		409.49	(9.51)	-360.49	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		405.94	(3.55)	-356.94	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		407.12	1.18	-358.12	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		410.85	3.73	-361.85	1	U.S. Geological Survey	Steel Tape		
P	7/21/1982		412.16	1.31	-363.16	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		419.49	7.33	-370.49	1	U.S. Geological Survey	Steel Tape		
P	9/15/1982		420.51	1.02	-371.51	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		421.06	0.55	-372.06	1	U.S. Geological Survey	Steel Tape		
P	11/10/1982		416.12	(4.94)	-367.12	1	U.S. Geological Survey	Steel Tape		
P	12/8/1982		414.76	(1.36)	-365.76	1	U.S. Geological Survey	Steel Tape		
P	1/5/1983		404.5	(10.26)	-355.5	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		400.21	(4.29)	-351.21	1	U.S. Geological Survey	Steel Tape		
P	3/1/1983		399.71	(0.50)	-350.71	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		386.78	(12.93)	-337.78	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		372.2	(14.58)	-323.2	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		375.62	3.42	-326.62	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		373.19	(2.43)	-324.19	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		374.67	1.48	-325.67	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		375.3	0.63	-326.3	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		375.72	0.42	-326.72	1	U.S. Geological Survey	Steel Tape		
P	10/11/1983		376.04	0.32	-327.04	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		381.52	5.48	-332.52	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		380.96	(0.56)	-331.96	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		390.52	9.56	-341.52	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		379.1	(11.42)	-330.1	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		374.01	(5.09)	-325.01	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		371.47	(2.54)	-322.47	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		370.23	(1.24)	-321.23	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		370.04	(0.19)	-321.04	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		361.66	(8.38)	-312.66	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		363.05	1.39	-314.05	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		362.47	(0.58)	-313.47	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		381.89	19.42	-332.89	1	U.S. Geological Survey	Steel Tape		
P	10/9/1984		368.18	(13.71)	-319.18	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		367.24	(0.94)	-318.24	1	U.S. Geological Survey	Steel Tape		
P	12/5/1984		363.9	(3.34)	-314.9	1	U.S. Geological Survey	Steel Tape		
P	1/2/1985		347.33	(16.57)	-298.33	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/29/1985		344.15	(3.18)	-295.15	1	U.S. Geological Survey	Steel Tape		
P	2/26/1985		343.86	(0.29)	-294.86	1	U.S. Geological Survey	Steel Tape		
P	3/26/1985		344.23	0.37	-295.23	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		342.16	(2.07)	-293.16	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		341.07	(1.09)	-292.07	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		340.94	(0.13)	-291.94	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		341.6	0.66	-292.6	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		341.97	0.37	-292.97	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		391.7	49.73	-342.7	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		376.81	(14.89)	-327.81	1	U.S. Geological Survey	Steel Tape		
P	11/5/1985		367.82	(8.99)	-318.82	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		364.05	(3.77)	-315.05	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		372.82	8.77	-323.82	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		373.25	0.43	-324.25	1	U.S. Geological Survey	Steel Tape		
P	2/12/1986		360.67	(12.58)	-311.67	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		357.43	(3.24)	-308.43	1	U.S. Geological Survey	Unknown		
P	4/10/1986		355.85	(1.58)	-306.85	1	U.S. Geological Survey	Unknown		
P	5/9/1986		354.02	(1.83)	-305.02	1	U.S. Geological Survey	Unknown		
P	6/5/1986		354.7	0.68	-305.7	1	U.S. Geological Survey	Unknown		
P	7/3/1986		350.36	(4.34)	-301.36	1	U.S. Geological Survey	Unknown		
P	7/31/1986		351.69	1.33	-302.69	1	U.S. Geological Survey	Unknown		
P	8/28/1986		379.64	27.95	-330.64	1	U.S. Geological Survey	Unknown		
P	9/25/1986		364.48	(15.16)	-315.48	1	U.S. Geological Survey	Unknown		
P	10/23/1986		360.79	(3.69)	-311.79	1	U.S. Geological Survey	Unknown		
P	11/20/1986		376.84	16.05	-327.84	1	U.S. Geological Survey	Unknown		
P	12/17/1986		373.53	(3.31)	-324.53	1	U.S. Geological Survey	Unknown		
P	1/15/1987		367.34	(6.19)	-318.34	1	U.S. Geological Survey	Unknown		
P	2/12/1987		356.93	(10.41)	-307.93	1	U.S. Geological Survey	Unknown		
P	3/6/1987		349.87	(7.06)	-300.87	1	U.S. Geological Survey	Unknown		
P	4/2/1987		345.06	(4.81)	-296.06	1	U.S. Geological Survey	Unknown		
P	4/30/1987		348.35	3.29	-299.35	1	U.S. Geological Survey	Unknown		
P	5/28/1987		354.77	6.42	-305.77	1	U.S. Geological Survey	Unknown		
P	6/25/1987		357.4	2.63	-308.4	1	U.S. Geological Survey	Unknown		
P	7/23/1987		347.62	(9.78)	-298.62	1	U.S. Geological Survey	Unknown		
P	8/20/1987		351.61	3.99	-302.61	1	U.S. Geological Survey	Unknown		
P	9/17/1987		346.03	(5.58)	-297.03	1	U.S. Geological Survey	Unknown		
P	10/15/1987		343	(3.03)	-294	1	U.S. Geological Survey	Unknown		
P	11/12/1987		344.14	1.14	-295.14	1	U.S. Geological Survey	Unknown		
P	12/9/1987		343.27	(0.87)	-294.27	1	U.S. Geological Survey	Unknown		
P	1/7/1988		337.84	(5.43)	-288.84	1	U.S. Geological Survey	Unknown		
P	2/4/1988		337.02	(0.82)	-288.02	1	U.S. Geological Survey	Unknown		
P	3/3/1988		336.41	(0.61)	-287.41	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/31/1988		336.09	(0.32)	-287.09	1	U.S. Geological Survey	Unknown		
P	4/28/1988		335.75	(0.34)	-286.75	1	U.S. Geological Survey	Unknown		
P	5/26/1988		318.22	(17.53)	-269.22	1	U.S. Geological Survey	Unknown		
P	6/1/1988		318.2	(0.02)	-269.2	1	U.S. Geological Survey	Unknown		
P	6/23/1988		318.13	(0.07)	-269.13	1	U.S. Geological Survey	Unknown		
P	7/21/1988		318.06	(0.07)	-269.06	1	U.S. Geological Survey	Unknown		
P	8/18/1988		328.59	10.53	-279.59	1	U.S. Geological Survey	Unknown		
P	9/14/1988		333.38	4.79	-284.38	1	U.S. Geological Survey	Unknown		
P	10/13/1988		361.55	28.17	-312.55	1	U.S. Geological Survey	Unknown		
P	11/9/1988		355.05	(6.50)	-306.05	1	U.S. Geological Survey	Unknown		
P	12/8/1988		360.48	5.43	-311.48	1	U.S. Geological Survey	Unknown		
P	1/5/1989		359.96	(0.52)	-310.96	1	U.S. Geological Survey	Unknown		
P	2/2/1989		350.33	(9.63)	-301.33	1	U.S. Geological Survey	Unknown		
P	3/2/1989		358.9	8.57	-309.9	1	U.S. Geological Survey	Unknown		
P	3/29/1989		361.29	2.39	-312.29	1	U.S. Geological Survey	Unknown		
P	4/27/1989		359.64	(1.65)	-310.64	1	U.S. Geological Survey	Unknown		
P	5/25/1989		357.92	(1.72)	-308.92	1	U.S. Geological Survey	Unknown		
P	6/22/1989		354.61	(3.31)	-305.61	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		349.82	(4.79)	-300.82	1	U.S. Geological Survey	Unknown		
P	8/17/1989		352.7	2.88	-303.7	1	U.S. Geological Survey	Unknown		
P	9/14/1989		351.93	(0.77)	-302.93	1	U.S. Geological Survey	Unknown		
P	10/12/1989		365.31	13.38	-316.31	1	U.S. Geological Survey	Unknown		
P	11/8/1989		354.2	(11.11)	-305.2	1	U.S. Geological Survey	Unknown		
P	12/7/1989		356.87	2.67	-307.87	1	U.S. Geological Survey	Unknown		
P	1/5/1990		378.81	21.94	-329.81	1	U.S. Geological Survey	Unknown		
P	2/1/1990		375.85	(2.96)	-326.85	1	U.S. Geological Survey	Steel Tape		
P	3/1/1990		374.86	(0.99)	-325.86	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		370.12	(4.74)	-321.12	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		374.38	4.26	-325.38	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		376.07	1.69	-327.07	1	U.S. Geological Survey	Steel Tape		
P	1/3/1991		375.39	(0.68)	-326.39	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		371.66	(3.73)	-322.66	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		370.29	(1.37)	-321.29	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		364.34	(5.95)	-315.34	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		364.69	0.35	-315.69	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		362.42	(2.27)	-313.42	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		359.59	(2.83)	-310.59	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		358.21	(1.38)	-309.21	1	U.S. Geological Survey	Steel Tape		
P	8/15/1991		360.89	2.68	-311.89	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		356.46	(4.43)	-307.46	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		353.96	(2.50)	-304.96	1	U.S. Geological Survey	Steel Tape		
P	11/8/1991		356.67	2.71	-307.67	1	U.S. Geological Survey	Steel Tape		

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P	12/6/1991		346.99	(9.68)	-297.99	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		347.73	0.74	-298.73	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		358.74	11.01	-309.74	1	U.S. Geological Survey	Steel Tape		
P	2/25/1992		329.78	(28.96)	-280.78	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		357.59	27.81	-308.59	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		349.84	(7.75)	-300.84	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		353.17	3.33	-304.17	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		354.06	0.89	-305.06	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		351.47	(2.59)	-302.47	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		346.05	(5.42)	-297.05	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		345.12	(0.93)	-296.12	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		357.43	12.31	-308.43	1	U.S. Geological Survey	Steel Tape		
P	9/15/1992		354.34	(3.09)	-305.34	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		343.01	(11.33)	-294.01	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		343.16	0.15	-294.16	1	U.S. Geological Survey	Steel Tape		
P	12/2/1992		349.34	6.18	-300.34	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		353.91	4.57	-304.91	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		330.75	(23.16)	-281.75	1	U.S. Geological Survey	Steel Tape		
P	2/25/1993		329.78	(0.97)	-280.78	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		328.34	(1.44)	-279.34	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		332.85	4.51	-283.85	1	U.S. Geological Survey	Steel Tape		
P	5/19/1993		330.45	(2.40)	-281.45	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		339.82	9.37	-290.82	1	U.S. Geological Survey	Steel Tape		
P	7/15/1993		338.7	(1.12)	-289.7	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		333.04	(5.66)	-284.04	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		337.48	4.44	-288.48	1	U.S. Geological Survey	Steel Tape		
P	10/7/1993		339.82	2.34	-290.82	1	U.S. Geological Survey	Steel Tape		
P	11/5/1993		345.79	5.97	-296.79	1	U.S. Geological Survey	Steel Tape		
P	12/2/1993		345.05	(0.74)	-296.05	1	U.S. Geological Survey	Steel Tape		
P	12/29/1993		329.3	(15.75)	-280.3	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		324.65	(4.65)	-275.65	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		324.86	0.21	-275.86	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		317.85	(7.01)	-268.85	1	U.S. Geological Survey	Steel Tape		
P	5/20/1994		316.56	(1.29)	-267.56	1	U.S. Geological Survey	Steel Tape		
P	6/16/1994		317.56	1.00	-268.56	1	U.S. Geological Survey	Steel Tape		
P	7/14/1994		340.4	22.84	-291.4	1	U.S. Geological Survey	Steel Tape		
P	8/12/1994		349.37	8.97	-300.37	1	U.S. Geological Survey	Steel Tape		
P	9/9/1994		347.73	(1.64)	-298.73	1	U.S. Geological Survey	Steel Tape		
P	1/27/1995		339.77	(7.96)	-290.77	1	U.S. Geological Survey	Steel Tape		
P	10/12/1995		326.12	(13.65)	-277.12	1	U.S. Geological Survey	Steel Tape		
P	11/21/1995		320.69	(5.43)	-271.69	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		323.38	2.69	-274.38	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/3/1996		318.11	(5.27)	-269.11	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		319.82	1.71	-270.82	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		317	(2.82)	-268	1	U.S. Geological Survey	Electric Line		
P	3/21/1996		320.09	3.09	-271.09	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		340.9	20.81	-291.9	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		346.15	5.25	-297.15	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		343.73	(2.42)	-294.73	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		330.06	(13.67)	-281.06	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		340.54	10.48	-291.54	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		341.6	1.06	-292.6	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		328.98	(12.62)	-279.98	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		327.07	(1.91)	-278.07	1	U.S. Geological Survey	Steel Tape		
P	1/23/1998		306.33	(20.74)	-257.33	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		307.1	0.77	-258.1	1	U.S. Geological Survey	Steel Tape		
P	3/19/1998		305.4	(1.70)	-256.4	1	U.S. Geological Survey	Steel Tape		
P	4/15/1998		328.87	23.47	-279.87	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		329.93	1.06	-280.93	1	U.S. Geological Survey	Steel Tape		
P	6/11/1998		321.3	(8.63)	-272.3	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		314.34	(6.96)	-265.34	1	U.S. Geological Survey	Steel Tape		
P	8/11/1998		314.51	0.17	-265.51	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		314.95	0.44	-265.95	1	U.S. Geological Survey	Steel Tape		
P	10/5/1998		315.74	0.79	-266.74	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		308.88	(6.86)	-259.88	1	U.S. Geological Survey	Steel Tape		
P	11/24/1998		308.62	(0.26)	-259.62	1	U.S. Geological Survey	Steel Tape		
P	12/16/1998		307.98	(0.64)	-258.98	1	U.S. Geological Survey	Steel Tape		
P	1/14/1999		297.56	(10.42)	-248.56	1	U.S. Geological Survey	Unknown		
P	2/16/1999		295.32	(2.24)	-246.32	1	U.S. Geological Survey	Unknown		
P	3/15/1999		297.13	1.81	-248.13	1	U.S. Geological Survey	Steel Tape		
P	4/8/1999		294.59	(2.54)	-245.59	1	U.S. Geological Survey	Steel Tape		
P	5/7/1999		293.99	(0.60)	-244.99	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		293.77	(0.22)	-244.77	1	U.S. Geological Survey	Steel Tape		
P	7/2/1999		298.42	4.65	-249.42	1	U.S. Geological Survey	Steel Tape		
P	7/28/1999		304.47	6.05	-255.47	1	U.S. Geological Survey	Steel Tape		
P	8/27/1999		310.29	5.82	-261.29	1	U.S. Geological Survey	Steel Tape		
P	9/27/1999		313.1	2.81	-264.1	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		309.56	(3.54)	-260.56	1	U.S. Geological Survey	Steel Tape		
P	11/22/1999		307.96	(1.60)	-258.96	1	U.S. Geological Survey	Steel Tape		
P	12/17/1999		300.89	(7.07)	-251.89	1	U.S. Geological Survey	Steel Tape		
P	1/12/2000		296.37	(4.52)	-247.37	1	U.S. Geological Survey	Steel Tape		
P	2/11/2000		317.47	21.10	-268.47	1	U.S. Geological Survey	Steel Tape		
P	3/11/2000		324.14	6.67	-275.14	1	U.S. Geological Survey	Steel Tape		
P	4/6/2000		322.92	(1.22)	-273.92	1	U.S. Geological Survey	Steel Tape		

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P	5/8/2000		321.43	(1.49)	-272.43	1	U.S. Geological Survey	Steel Tape		
P	5/31/2000		321.07	(0.36)	-272.07	1	U.S. Geological Survey	Steel Tape		
P	6/29/2000		312.77	(8.30)	-263.77	1	U.S. Geological Survey	Steel Tape		
P	7/27/2000		308.86	(3.91)	-259.86	1	U.S. Geological Survey	Steel Tape		
P	8/23/2000		310.06	1.20	-261.06	1	U.S. Geological Survey	Steel Tape		
P	9/21/2000		313.44	3.38	-264.44	1	U.S. Geological Survey	Steel Tape		
P	10/23/2000		312.34	(1.10)	-263.34	1	U.S. Geological Survey	Steel Tape		
P	11/16/2000		310.11	(2.23)	-261.11	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		309.5	(0.61)	-260.5	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		308.21	(1.29)	-259.21	1	U.S. Geological Survey	Steel Tape		
P	2/8/2001		308.03	(0.18)	-259.03	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		297.55	(10.48)	-248.55	1	U.S. Geological Survey	Steel Tape		
P	4/5/2001		293.11	(4.44)	-244.11	1	U.S. Geological Survey	Steel Tape		
P	5/3/2001		292.62	(0.49)	-243.62	1	U.S. Geological Survey	Steel Tape		
P	5/30/2001		283.99	(8.63)	-234.99	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		286.07	2.08	-237.07	1	U.S. Geological Survey	Steel Tape		
P	7/27/2001		288.42	2.35	-239.42	1	U.S. Geological Survey	Steel Tape		
P	8/23/2001		301.42	13.00	-252.42	1	U.S. Geological Survey	Steel Tape		
P	9/20/2001		306.79	5.37	-257.79	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		303.41	(3.38)	-254.41	1	U.S. Geological Survey	Steel Tape		
P	11/15/2001		305.01	1.60	-256.01	1	U.S. Geological Survey	Steel Tape		
P	12/13/2001		309.42	4.41	-260.42	1	U.S. Geological Survey	Steel Tape		
P	1/11/2002		304.36	(5.06)	-255.36	1	U.S. Geological Survey	Steel Tape		
P	2/6/2002		293.92	(10.44)	-244.92	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		276.54	(17.38)	-227.54	1	U.S. Geological Survey	Steel Tape		
P	4/3/2002		263.95	(12.59)	-214.95	1	U.S. Geological Survey	Steel Tape		
P	5/3/2002		277.86	13.91	-228.86	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		275.94	(1.92)	-226.94	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		270.67	(5.27)	-221.67	1	U.S. Geological Survey	Steel Tape		
P	7/24/2002		279.8	9.13	-230.8	1	U.S. Geological Survey	Steel Tape		
P	8/22/2002		282.65	2.85	-233.65	1	U.S. Geological Survey	Steel Tape		
P	9/20/2002		280.68	(1.97)	-231.68	1	U.S. Geological Survey	Steel Tape		
P	10/18/2002		281.8	1.12	-232.8	1	U.S. Geological Survey	Steel Tape		
P	11/15/2002		270.65	(11.15)	-221.65	1	U.S. Geological Survey	Steel Tape		
P	12/13/2002		270.25	(0.40)	-221.25	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		272.95	2.70	-223.95	1	U.S. Geological Survey	Steel Tape		
P	2/6/2003		270.82	(2.13)	-221.82	1	U.S. Geological Survey	Steel Tape		
P	3/6/2003		270.13	(0.69)	-221.13	1	U.S. Geological Survey	Steel Tape		
P	5/2/2003		273.5	3.37	-224.5	1	U.S. Geological Survey	Steel Tape		
P	5/28/2003		274.44	0.94	-225.44	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		273.17	(1.27)	-224.17	1	U.S. Geological Survey	Steel Tape		
P	7/24/2003		272.89	(0.28)	-223.89	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/21/2003		275.81	2.92	-226.81	1	U.S. Geological Survey	Steel Tape		
P	9/19/2003		274.97	(0.84)	-225.97	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		273.88	(1.09)	-224.88	1	U.S. Geological Survey	Steel Tape		
P	11/13/2003		274.44	0.56	-225.44	1	U.S. Geological Survey	Steel Tape		
P	12/11/2003		263.42	(11.02)	-214.42	1	U.S. Geological Survey	Steel Tape		
P	1/8/2004		257.78	(5.64)	-208.78	1	U.S. Geological Survey	Steel Tape		
P	2/5/2004		254.86	(2.92)	-205.86	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		250.18	(4.68)	-201.18	1	U.S. Geological Survey	Steel Tape		
P	3/30/2004		251.65	1.47	-202.65	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		252.89	1.24	-203.89	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		251.92	(0.97)	-202.92	1	U.S. Geological Survey	Steel Tape		
P	6/22/2004		245.98	(5.94)	-196.98	1	U.S. Geological Survey	Steel Tape		
P	7/20/2004		247.48	1.50	-198.48	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		245.67	(1.81)	-196.67	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		243.34	(2.33)	-194.34	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		243.74	0.40	-194.74	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		243.08	(0.66)	-194.08	1	U.S. Geological Survey	Steel Tape		
P	12/6/2004		241.79	(1.29)	-192.79	1	U.S. Geological Survey	Steel Tape		
P	1/6/2005		241.19	(0.60)	-192.19	1	U.S. Geological Survey	Steel Tape		
P	2/2/2005		239.91	(1.28)	-190.91	1	U.S. Geological Survey	Steel Tape		
P	3/2/2005		237.71	(2.20)	-188.71	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		237.38	(0.33)	-188.38	1	U.S. Geological Survey	Steel Tape		
P	4/28/2005		235.81	(1.57)	-186.81	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		234.79	(1.02)	-185.79	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		234.82	0.03	-185.82	1	U.S. Geological Survey	Steel Tape		
P	7/19/2005		238.62	3.80	-189.62	1	U.S. Geological Survey	Steel Tape		
P	8/18/2005		241.19	2.57	-192.19	1	U.S. Geological Survey	Steel Tape		
P	9/26/2005		240.52	(0.67)	-191.52	1	U.S. Geological Survey	Steel Tape		
P	10/18/2005		243.97	3.45	-194.97	1	U.S. Geological Survey	Steel Tape		
P	11/17/2005		246.05	2.08	-197.05	1	U.S. Geological Survey	Steel Tape		
P	12/15/2005		247.26	1.21	-198.26	1	U.S. Geological Survey	Steel Tape		
P	1/6/2006		249.83	2.57	-200.83	1	U.S. Geological Survey	Steel Tape		
P	2/6/2006		245.65	(4.18)	-196.65	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		249.41	3.76	-200.41	1	U.S. Geological Survey	Steel Tape		
P	4/4/2006		248.06	(1.35)	-199.06	1	U.S. Geological Survey	Steel Tape		
P	5/1/2006		246.23	(1.83)	-197.23	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		244.48	(1.75)	-195.48	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		243.1	(1.38)	-194.1	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		241.93	(1.17)	-192.93	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		241.13	(0.80)	-192.13	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		240.23	(0.90)	-191.23	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		241.41	1.18	-192.41	1	U.S. Geological Survey	Steel Tape		

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P	11/16/2006		239.54	(1.87)	-190.54	1	U.S. Geological Survey	Steel Tape		
P	12/14/2006		238.73	(0.81)	-189.73	1	U.S. Geological Survey	Steel Tape		
P	1/10/2007		238.05	(0.68)	-189.05	1	U.S. Geological Survey	Steel Tape		
P	2/6/2007		237.03	(1.02)	-188.03	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		235.38	(1.65)	-186.38	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		235.35	(0.03)	-186.35	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		232.97	(2.38)	-183.97	1	U.S. Geological Survey	Steel Tape		
P	6/4/2007		231.29	(1.68)	-182.29	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		230.13	(1.16)	-181.13	1	U.S. Geological Survey	Steel Tape		
P	7/24/2007		228.98	(1.15)	-179.98	1	U.S. Geological Survey	Steel Tape		
P	8/21/2007		227.75	(1.23)	-178.75	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		226.69	(1.06)	-177.69	1	U.S. Geological Survey	Steel Tape		
P	10/19/2007		225.83	(0.86)	-176.83	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		224.88	(0.95)	-175.88	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		224.42	(0.46)	-175.42	1	U.S. Geological Survey	Steel Tape		
P	1/4/2008		224.01	(0.41)	-175.01	1	U.S. Geological Survey	Steel Tape		
P	2/11/2008		222.69	(1.32)	-173.69	1	U.S. Geological Survey	Steel Tape		
P	3/12/2008		221.62	(1.07)	-172.62	1	U.S. Geological Survey	Steel Tape		
P	4/7/2008		220.69	(0.93)	-171.69	1	U.S. Geological Survey	Steel Tape		
P	5/12/2008		219.5	(1.19)	-170.5	1	U.S. Geological Survey	Steel Tape		
P	6/12/2008		218.98	(0.52)	-169.98	1	U.S. Geological Survey	Steel Tape		
P	7/11/2008		218.96	(0.02)	-169.96	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		220.36	1.40	-171.36	1	U.S. Geological Survey	Steel Tape		
P	10/1/2008		221.78	1.42	-172.78	1	U.S. Geological Survey	Steel Tape		
P	10/29/2008		223.57	1.79	-174.57	1	U.S. Geological Survey	Steel Tape		
P	11/25/2008		224.5	0.93	-175.5	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		225.03	0.53	-176.03	1	U.S. Geological Survey	Steel Tape		
P	1/23/2009		225.73	0.70	-176.73	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		226.31	0.58	-177.31	1	U.S. Geological Survey	Steel Tape		
P	4/1/2009		230.33	4.02	-181.33	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		228.8	(1.53)	-179.8	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		231.24	2.44	-182.24	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		231.21	(0.03)	-182.21	1	U.S. Geological Survey	Steel Tape		
P	7/21/2009		230.79	(0.42)	-181.79	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		232.86	2.07	-183.86	1	U.S. Geological Survey	Steel Tape		
P	9/16/2009		234.43	1.57	-185.43	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		237.29	2.86	-188.29	1	U.S. Geological Survey	Steel Tape		
P	11/10/2009		236.54	(0.75)	-187.54	1	U.S. Geological Survey	Steel Tape		
P	12/9/2009		238.94	2.40	-189.94	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		235.45	(3.49)	-186.45	1	U.S. Geological Survey	Steel Tape		
P	2/10/2010		234.38	(1.07)	-185.38	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		233.12	(1.26)	-184.12	1	U.S. Geological Survey	Steel Tape		

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P	3/30/2010		231.92	(1.20)	-182.92	1	U.S. Geological Survey	Steel Tape		
P	5/4/2010		231.42	(0.50)	-182.42	1	U.S. Geological Survey	Steel Tape		
P	6/3/2010		229.69	(1.73)	-180.69	1	U.S. Geological Survey	Steel Tape		
P	6/29/2010		232.18	2.49	-183.18	1	U.S. Geological Survey	Steel Tape		
P	7/27/2010		231.62	(0.56)	-182.62	1	U.S. Geological Survey	Steel Tape		
P	8/26/2010		227.7	(3.92)	-178.7	1	U.S. Geological Survey	Steel Tape		
P	9/23/2010		229.56	1.86	-180.56	1	U.S. Geological Survey	Steel Tape		
P	10/19/2010		227.84	(1.72)	-178.84	1	U.S. Geological Survey	Steel Tape		
P	11/18/2010		229.76	1.92	-180.76	1	U.S. Geological Survey	Steel Tape		
P	12/13/2010		227.19	(2.57)	-178.19	1	U.S. Geological Survey	Steel Tape		
P	1/5/2011		226.2	(0.99)	-177.2	1	U.S. Geological Survey	Steel Tape		
P	2/1/2011		224.55	(1.65)	-175.55	1	U.S. Geological Survey	Steel Tape		
P	3/1/2011		224.15	(0.40)	-175.15	1	U.S. Geological Survey	Steel Tape		
P	3/30/2011		222.69	(1.46)	-173.69	1	U.S. Geological Survey	Steel Tape		
P	5/12/2011		220.58	(2.11)	-171.58	1	U.S. Geological Survey	Steel Tape		
P	6/7/2011		220.29	(0.29)	-171.29	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		221.54	1.25	-172.54	1	U.S. Geological Survey	Steel Tape		
P	8/3/2011		223.14	1.60	-174.14	1	U.S. Geological Survey	Steel Tape		
P	9/7/2011		226.77	3.63	-177.77	1	U.S. Geological Survey	Steel Tape		
P	10/6/2011		231.73	4.96	-182.73	1	U.S. Geological Survey	Steel Tape		
P	11/2/2011		234.42	2.69	-185.42	1	U.S. Geological Survey	Steel Tape		
P	11/30/2011		236.57	2.15	-187.57	1	U.S. Geological Survey	Steel Tape		
P	12/30/2011		235.4	(1.17)	-186.4	1	U.S. Geological Survey	Steel Tape		
P	1/23/2012		235.77	0.37	-186.77	1	U.S. Geological Survey	Steel Tape		
P	2/23/2012		235.28	(0.49)	-186.28	1	U.S. Geological Survey	Steel Tape		
P	3/21/2012		237.4	2.12	-188.4	1	U.S. Geological Survey	Steel Tape		
P	4/18/2012		236.22	(1.18)	-187.22	1	U.S. Geological Survey	Steel Tape		
P	5/17/2012		235.96	(0.26)	-186.96	1	U.S. Geological Survey	Steel Tape		
P	6/12/2012		236.08	0.12	-187.08	1	U.S. Geological Survey	Steel Tape		
P	7/5/2012		236.22	0.14	-187.22	1	U.S. Geological Survey	Steel Tape		
P	8/6/2012		236.61	0.39	-187.61	1	U.S. Geological Survey	Steel Tape		
P	9/5/2012		237.58	0.97	-188.58	1	U.S. Geological Survey	Steel Tape		
P	10/15/2012		238.41	0.83	-189.41	1	U.S. Geological Survey	Steel Tape		
P	11/7/2012		239.48	1.07	-190.48	1	U.S. Geological Survey	Steel Tape		
P	12/4/2012		239.68	0.20	-190.68	1	U.S. Geological Survey	Steel Tape		
P	1/8/2013		238.67	(1.01)	-189.67	1	U.S. Geological Survey	Steel Tape		
P	2/22/2013		238.76	0.09	-189.76	1	U.S. Geological Survey	Steel Tape		
P	4/2/2013		238	(0.76)	-189	1	U.S. Geological Survey	Steel Tape		
P	4/29/2013		237.23	(0.77)	-188.23	1	U.S. Geological Survey	Steel Tape		
P	5/30/2013		236.37	(0.86)	-187.37	1	U.S. Geological Survey	Steel Tape		
P	6/21/2013		236.22	(0.15)	-187.22	1	U.S. Geological Survey	Steel Tape		
P	7/23/2013		235.58	(0.64)	-186.58	1	U.S. Geological Survey	Steel Tape		

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P	8/29/2013		236.37	0.79	-187.37	1	U.S. Geological Survey	Steel Tape		
P	9/24/2013		236.73	0.36	-187.73	1	U.S. Geological Survey	Steel Tape		
P	10/21/2013		237.18	0.45	-188.18	1	U.S. Geological Survey	Steel Tape		
P	11/20/2013		239.27	2.09	-190.27	1	U.S. Geological Survey	Steel Tape		
P	12/19/2013		237.05	(2.22)	-188.05	1	U.S. Geological Survey	Steel Tape		
P	1/27/2014		237.1	0.05	-188.1	1	U.S. Geological Survey	Steel Tape		
P	3/3/2014		236.95	(0.15)	-187.95	1	U.S. Geological Survey	Steel Tape		
P	4/3/2014		236.3	(0.65)	-187.3	1	U.S. Geological Survey	Steel Tape		
P	5/15/2014		235.78	(0.52)	-186.78	1	U.S. Geological Survey	Steel Tape		
P	6/9/2014		236.09	0.31	-187.09	1	U.S. Geological Survey	Steel Tape		
P	7/10/2014		237.04	0.95	-188.04	1	U.S. Geological Survey	Steel Tape		
P	8/12/2014		239.12	2.08	-190.12	1	U.S. Geological Survey	Steel Tape		
P	9/3/2014		239.4	0.28	-190.4	1	U.S. Geological Survey	Steel Tape		
P	10/10/2014		237.8	(1.60)	-188.8	1	U.S. Geological Survey	Steel Tape		
P	11/6/2014		238.43	0.63	-189.43	1	U.S. Geological Survey	Steel Tape		
P	12/11/2014		238.29	(0.14)	-189.29	1	U.S. Geological Survey	Steel Tape		
P	1/15/2015		237.92	(0.37)	-188.92	1	U.S. Geological Survey	Steel Tape		
P	2/24/2015		237.53	(0.39)	-188.53	1	U.S. Geological Survey	Steel Tape		
P	4/1/2015		237.69	0.16	-188.69	1	U.S. Geological Survey	Steel Tape		
P	4/27/2015	1011	237.24	(0.45)	-188.24	1	U.S. Geological Survey	Steel Tape		
P	5/18/2015	0848	237.86	0.62	-188.86	1	U.S. Geological Survey	Steel Tape		
P	6/25/2015	1317	237.59	(0.27)	-188.59	1	U.S. Geological Survey	Electric Line		
P	9/30/2015	1037	237.32	(0.27)	-188.32	1	U.S. Geological Survey	Steel Tape		
P	10/26/2015	1106	237.74	0.42	-188.74	1	U.S. Geological Survey	Steel Tape		
P	11/25/2015	1002	237.97	0.23	-188.97	1	U.S. Geological Survey	Steel Tape		
P	12/28/2015	0935	237.84	(0.13)	-188.84	1	U.S. Geological Survey	Electric Line		
P	1/20/2016	0842	237.95	0.11	-188.95	1	U.S. Geological Survey	Steel Tape		
P	3/1/2016	1534	237.68	(0.27)	-188.68	1	U.S. Geological Survey	Steel Tape		
P	3/31/2016	1225	236.81	(0.87)	-187.81	1	U.S. Geological Survey	Steel Tape		
P	5/3/2016	1329	236.84	0.03	-187.84	1	U.S. Geological Survey	Steel Tape		
P	6/1/2016	1241	236.37	(0.47)	-187.37	1	U.S. Geological Survey	Electric Line		
P	7/1/2016	1047	236.23	(0.14)	-187.23	1	U.S. Geological Survey	Electric Line		
P	8/2/2016	1317	236.12	(0.11)	-187.12	1	U.S. Geological Survey	Electric Line		
P	9/1/2016	1354	236.08	(0.04)	-187.08	1	U.S. Geological Survey	Electric Line		
P	9/27/2016	1243	236.48	0.40	-187.48	1	U.S. Geological Survey	Electric Line		
P	10/24/2016	1450	236.97	0.49	-187.97	1	U.S. Geological Survey	Electric Line		
P	12/8/2016	1305	238.3	1.33	-189.3	1	U.S. Geological Survey	Electric Line		
P	1/3/2017	1142	240.54	2.24	-191.54	1	U.S. Geological Survey	Steel Tape		
P	1/31/2017	1401	238.75	(1.79)	-189.75	1	U.S. Geological Survey	Electric Line		
P	3/7/2017	0951	239.75	1.00	-190.75	1	U.S. Geological Survey	Steel Tape		
P	3/31/2017	1335	239.67	(0.08)	-190.67	1	U.S. Geological Survey	Electric Line		
P	4/20/2017	1509	239.23	(0.44)	-190.23	1	U.S. Geological Survey	Electric Line		

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P	5/31/2017	1127	239.68	0.45	-190.68	1	U.S. Geological Survey	Electric Line		
P	6/23/2017	1235	238.92	(0.76)	-189.92	1	U.S. Geological Survey	Steel Tape		
P	7/21/2017	1305	248.47	9.55	-199.47	1	U.S. Geological Survey	Electric Line		
P	8/16/2017	1411	238.09	(10.38)	-189.09	1	U.S. Geological Survey	Electric Line		
P	9/26/2017	1320	237.96	(0.13)	-188.96	1	U.S. Geological Survey	Steel Tape		
P	11/20/2017	1144	238.47	0.51	-189.47	1	U.S. Geological Survey	Electric Line		
P	12/28/2017	1356	237.79	(0.68)	-188.79	1	U.S. Geological Survey	Electric Line		
P	1/30/2018	1504	237.79	0.00	-188.79	1	U.S. Geological Survey	Electric Line		
P	2/28/2018	1454	236.93	(0.86)	-187.93	1	U.S. Geological Survey	Electric Line		
P	3/23/2018	1136	237.23	0.30	-188.23	1	U.S. Geological Survey	Electric Line		
P	4/16/2018	3000	237.09	(0.14)	-188.09	1	U.S. Geological Survey	Electric Line		
P	5/22/2018	2350	237.45	0.36	-188.45	1	U.S. Geological Survey	Electric Line		
P	6/25/2018	1251	237.64	0.19	-188.64	1	U.S. Geological Survey	Electric Line		
P	7/19/2018	1400	238.19	0.55	-189.19	1	U.S. Geological Survey	Electric Line		
P	9/19/2018	2470	238.53	0.34	-189.53	1	U.S. Geological Survey	Electric Line		
P	11/13/2018	1040	238.91	0.38	-189.91	1	U.S. Geological Survey	Electric Line		
P	11/21/2018	1044	239.06	0.15	-190.06	1	U.S. Geological Survey	Electric Line		
P	12/18/2018	2270	239.13	0.07	-190.13	1	U.S. Geological Survey	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable
X	No Measurement

Remark ID	Remark Description
22	Tape hangs before reaching water level

Water Quality Analysis

Sample Date: 4/25/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		390	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		110	mg/L	
00400	PH (STANDARD UNITS), FIELD		9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		980	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 747 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 48 Longitude - 95 21 35 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Central

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1925 Depth - 1,535 ft. Source of Depth - Altitude - 35 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 07/10/1925 Measurement- -48.00
Date- 03/09/1948 Measurement- -188.80

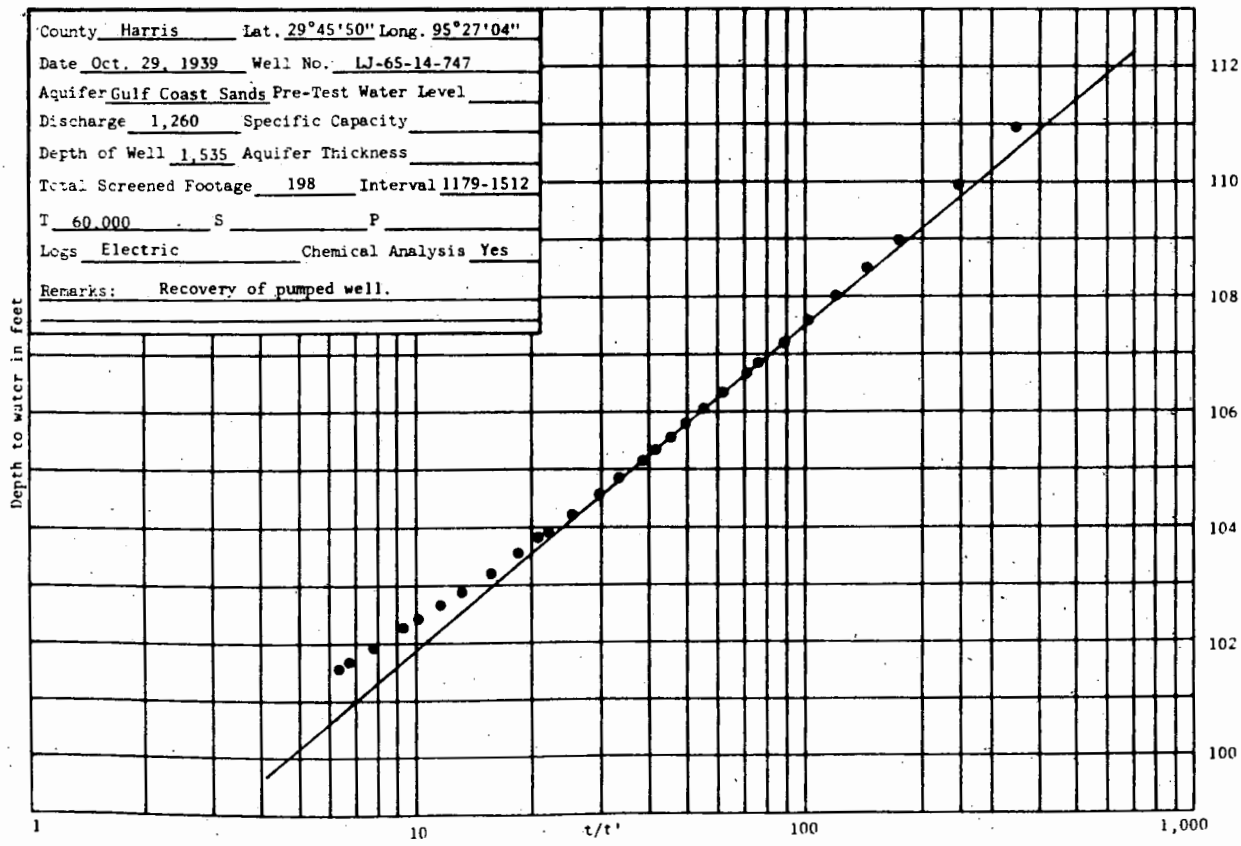
Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
198 ft of screen between 1179 and
1512 ft. Yield 1110 gpm Jan.1942.
Well destroyed.

Aquifer - 121EVGL
Well No. - 65 14 747


County Harris Lat. 29°45'50" Long. 95°27'04"
Date Oct. 29, 1939 Well No. LJ-65-14-747
Aquifer Gulf Coast Sands Pre-Test Water Level
Discharge 1,260 Specific Capacity
Depth of Well 1,535 Aquifer Thickness
Total Screened Footage 198 Interval 1179-1512
T 60,000 S P
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
112
110
108
106
104
102
100
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-747

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514747
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763612
Latitude (degrees minutes seconds)	29° 45' 49" N
Longitude (decimal degrees)	-95.360001
Longitude (degrees minutes seconds)	095° 21' 36" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	35
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1535
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1925
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	7/14/2010
Last Update Date	7/14/2010

Remarks	Screened for 198 feet between 1179 and 1512 feet. Reported yield 1260 GPM in 1939. Aquifer test results in TWDB R-98. No test data in TWDB files. Destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

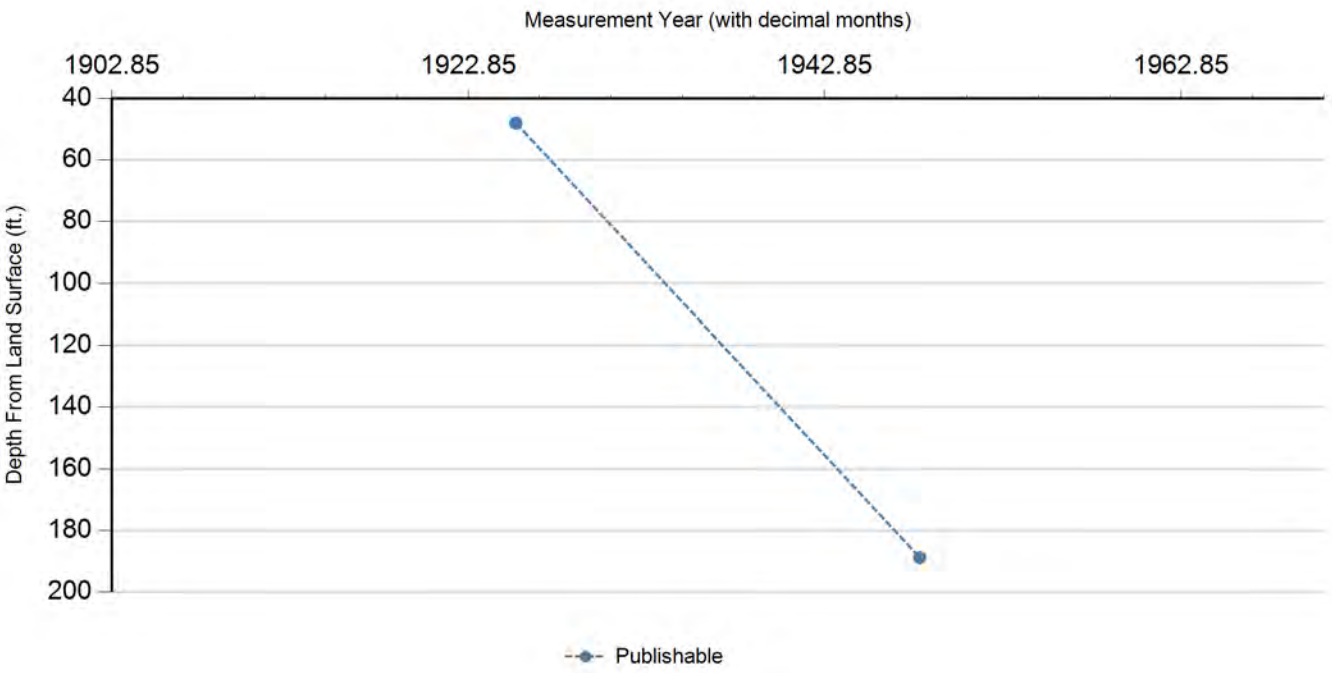
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-747

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/10/1925		48		-13	1	Registered Water Well Driller	Unknown		
P	3/9/1948		188.8	140.80	-153.8	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/25/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		277.87	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		339	mg/L	
00910	CALCIUM (MG/L)		14	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		39	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2000	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.77		
00955	SILICA, DISSOLVED (MG/L AS SI02)		32	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.89		
00932	SODIUM, CALCULATED, PERCENT		88	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		142	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		405	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 748 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 54 Longitude - 95 21 39 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Central

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1925 Depth - 980 ft. Source of Depth - Altitude - 40 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS
Date- 11/17/1938 Measurement- -96.80
Date- 03/08/1957 Measurement- -229.20

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
141 ft of screen between 708 and
978 ft. Well destoryed. Well D-17.

Aquifer - 121EVGL
Well No. - 65 14 748

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-748

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514748
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.765278
Latitude (degrees minutes seconds)	29° 45' 55" N
Longitude (decimal degrees)	-95.361112
Longitude (degrees minutes seconds)	095° 21' 40" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	980
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1925
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Central
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	9/23/1997
Last Update Date	9/23/1997

Remarks	141 ft of screen between 708 and 978 ft. Well destoryed. Well D-17.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

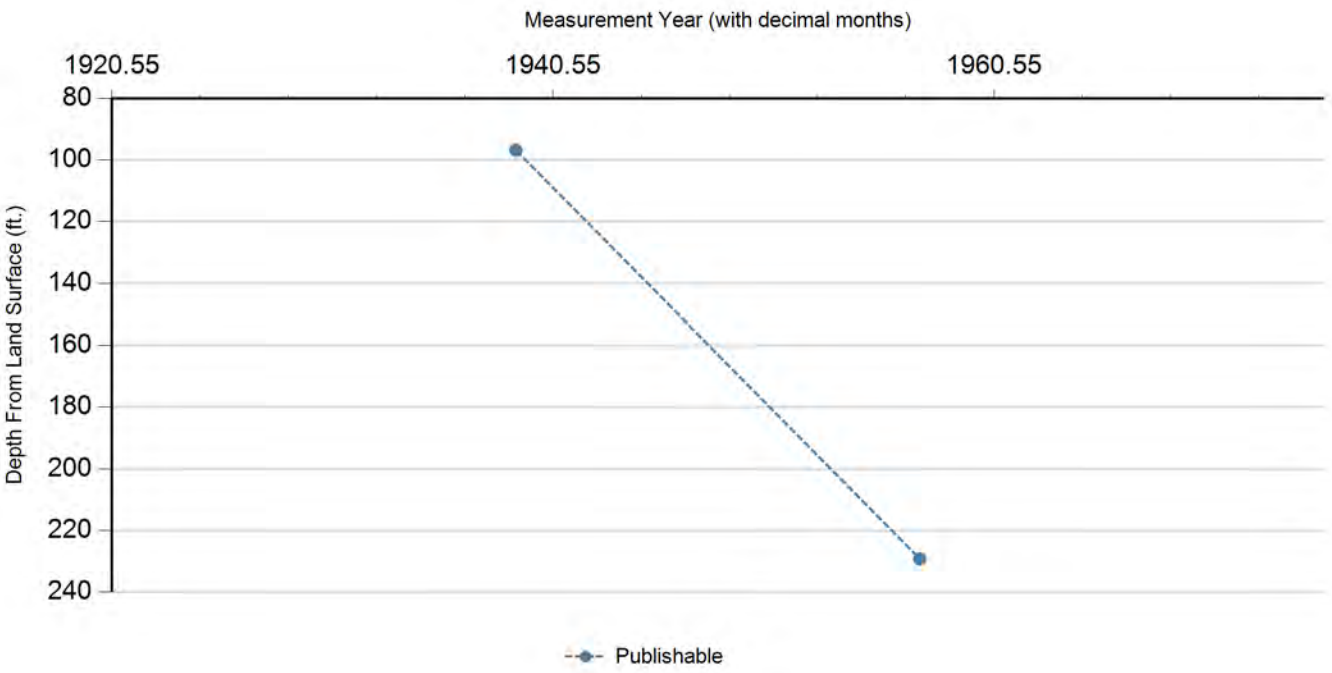
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-748

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/17/1938		96.8		-56.8	1	Texas Water Development Board	Steel Tape		
P	3/8/1957		229.2	132.40	-189.2	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-748

Water Quality Analysis

Sample Date: 11/15/1935 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		199.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		243	mg/L	
00910	CALCIUM (MG/L)		26	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		94	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		3000	ug/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.1		
00955	SILICA, DISSOLVED (MG/L AS SI02)		10	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.97		
00932	SODIUM, CALCULATED, PERCENT		60	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		66	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		258	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514750 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294526 **Longitude** 952120 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Burkhart Laundry

Driller
McMasters and
Pomeroy

Address _____ **Tenant/Oper.** _____

Date Drilled / /1931 **Depth** 1402 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material Blank

Screen Material Blank

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -** 20

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 1358 to 1402 ft.
Reported yield 200 gpm in 1941.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-750

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514750
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7572222
Latitude (degrees minutes seconds)	29° 45' 26" N
Longitude (decimal degrees)	-95.3555556
Longitude (degrees minutes seconds)	095° 21' 20" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1402
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1931
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Burkhart Laundry
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	9/7/2016

Remarks	Screen from 1358 to 1402 ft. Reported yield 200 gpm in 1941.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 7/0/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		258.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		315	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		26	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		130	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		320	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		256.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		313	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		135	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		336	mg/L	

Water Quality Analysis

Sample Date: 5/23/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.74	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		312	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.4	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		135	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		334	mg/L	

Water Quality Analysis

Sample Date: 2/20/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		135	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		339	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.22	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		341	mg/L	

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		311	mg/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		37	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.35		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.4		
00932	SODIUM, CALCULATED, PERCENT		88	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		132	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		346	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	

Water Quality Analysis

Sample Date: 7/3/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	

Water Quality Analysis

Sample Date: 2/23/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		311	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		584	MICR	

Water Quality Analysis

Sample Date: 3/14/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		302	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		589	MICR	

Water Quality Analysis

Sample Date: 2/4/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		289	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		55	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		585	MICR	

Water Quality Analysis

Sample Date: 1/30/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		115	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		456	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		275	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		535	MICR	

Water Quality Analysis

Sample Date: 3/8/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		496	MICR	

Water Quality Analysis

Sample Date: 2/9/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		311	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		604	MICR	

Water Quality Analysis

Sample Date: 2/26/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		13	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		538	MICR	

Water Quality Analysis

Sample Date: 3/17/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		244.19	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		298	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		91	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		644	MICR	

Water Quality Analysis

Sample Date: 4/21/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		4	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		618	MICR	

Water Quality Analysis

Sample Date: 3/16/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		578	MICR	

Water Quality Analysis

Sample Date: 4/20/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		249.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		304	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		585	MICR	

Water Quality Analysis

Sample Date: 8/23/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		239.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		100	ug/L	
00910	CALCIUM (MG/L)		15	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		54	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.7		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.64		
00932	SODIUM, CALCULATED, PERCENT		81	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		112	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		562	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		339	mg/L	

Water Quality Analysis

Sample Date: 3/2/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		244.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		298	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		577	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6514751 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294542 **Longitude** 952137 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
T.J. Bettis Building

Driller
Layne Bowler

Address _____ **Tenant/Oper.** _____

Date Drilled / /1923 **Depth** 363 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1923
-40

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
83 ft of screen between 206 and 363 ft. Reported yield 100 gpm in 1941.

Aquifer - 112CHCTL **ID -** 15
CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-751

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514751
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.761667
Latitude (degrees minutes seconds)	29° 45' 42" N
Longitude (decimal degrees)	-95.360278
Longitude (degrees minutes seconds)	095° 21' 37" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	363
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1923
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	T.J. Bettis Building
Driller	Layne Bowler
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	83 ft of screen between 206 and 363 ft. Reported yield 100 gpm in 1941.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

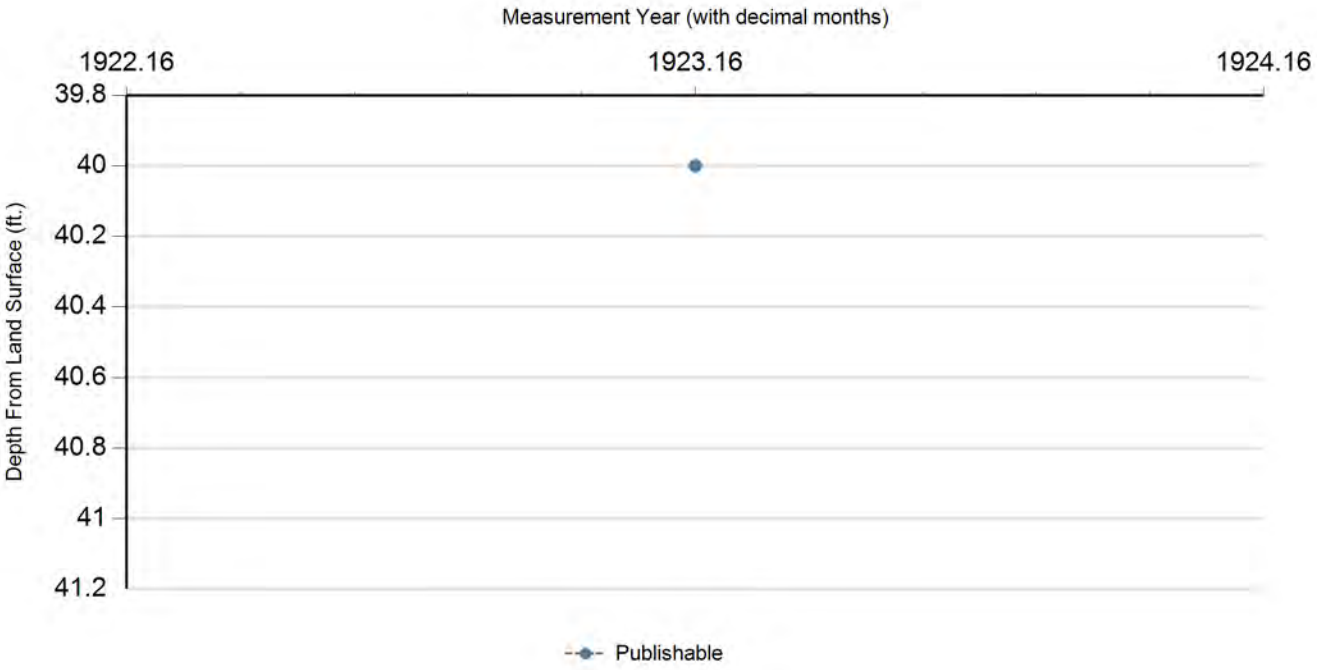
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1923		40		0	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/4/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		190	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.02	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		255	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		153	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.1	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		287	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		162	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		45	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		298	mg/L	

Water Quality Analysis

Sample Date: 5/23/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		175.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		214	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		134	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		50	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		258	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00910	CALCIUM (MG/L)		48	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		173	mg/L	
00920	MAGNESIUM (MG/L)		13	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.76		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.62		
00932	SODIUM, CALCULATED, PERCENT		38	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		49	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		289	mg/L	

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		214.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		262	mg/L	
00910	CALCIUM (MG/L)		53	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		176	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.82		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.49		
00932	SODIUM, CALCULATED, PERCENT		36	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		45	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		279	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-753

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514753
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.755001
Latitude (degrees minutes seconds)	29° 45' 18" N
Longitude (decimal degrees)	-95.349445
Longitude (degrees minutes seconds)	095° 20' 58" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	41
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1391
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1924
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Gould Wet Wash Laundry
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 1347 to 1391 ft. Reported yield 150 gpm in 1940.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 3/9/1927 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		305.74	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		373	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		63	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

Water Quality Analysis

Sample Date: 1/27/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		55	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		269.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		329	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		145	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		359	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		143	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		358	mg/L	

Water Quality Analysis

Sample Date: 5/27/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		141	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		355	mg/L	

Water Quality Analysis

Sample Date: 2/20/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		304.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		371	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		154	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		391	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		283.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		346	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		144	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		371	mg/L	

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		37	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.15		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.25		
00932	SODIUM, CALCULATED, PERCENT		90	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		158	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		411	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	

Water Quality Analysis

Sample Date: 6/29/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	

Water Quality Analysis

Sample Date: 2/12/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		306.47	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		374	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		700	MICR	

Water Quality Analysis

Sample Date: 2/23/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		325	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		628	MICR	

Water Quality Analysis

Sample Date: 3/14/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		635	MICR	

Water Quality Analysis

Sample Date: 1/28/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		325	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514754 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294539 **Longitude** 952042 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Zero Ice Co.

Driller
Layne Bowler Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1923 **Depth** 881 **Source of Depth** **Altitude** 30 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1938
-56

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 180 ft. of screen
between 150 and 694 ft.
Yield: 375 gpm with 50 ft.
drawdown on 2/23/38

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-754

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514754
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.760834
Latitude (degrees minutes seconds)	29° 45' 39" N
Longitude (decimal degrees)	-95.345
Longitude (degrees minutes seconds)	095° 20' 42" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	30
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	881
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1923
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Zero Ice Co.
Driller	Layne Bowler Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 180 ft. of screen between 150 and 694 ft. Yield: 375 gpm with 50 ft. drawdown on 2/23/38

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

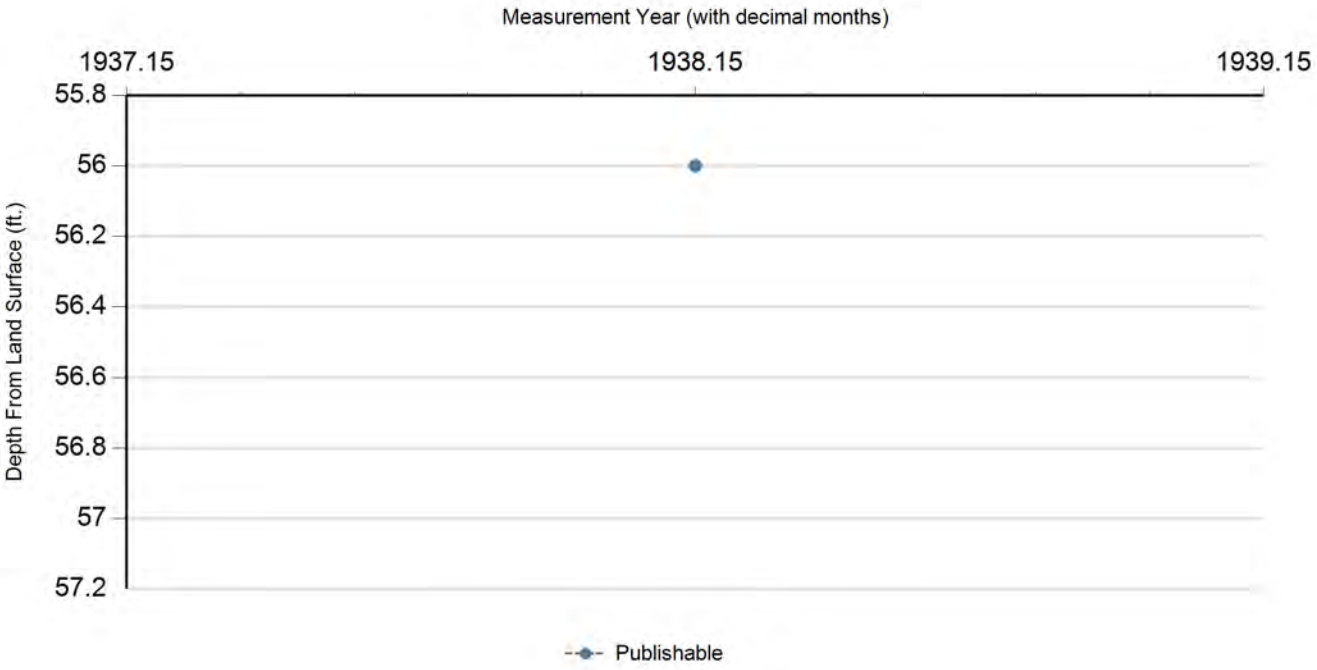
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/23/1938		56		-26	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6514755 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294526 **Longitude** 952011 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Houston Packing co

Driller
G.C. Warniecke

Address _____ **Tenant/Oper.** _____

Date Drilled / /1907 **Depth** 1616 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1938
-40

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 1536 to 1616 ft.
Reported yield 258 gpm with 60 ft
drawdown Feb.1938. Well 1.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-755

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514755
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.757223
Latitude (degrees minutes seconds)	29° 45' 26" N
Longitude (decimal degrees)	-95.336389
Longitude (degrees minutes seconds)	095° 20' 11" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1616
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1907
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Houston Packing co
Driller	G.C. Warniecke
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 1536 to 1616 ft. Reported yield 258 gpm with 60 ft drawdown Feb.1938. Well 1.

Casing - No Data

Well Tests - No Data

Lithology - No Data

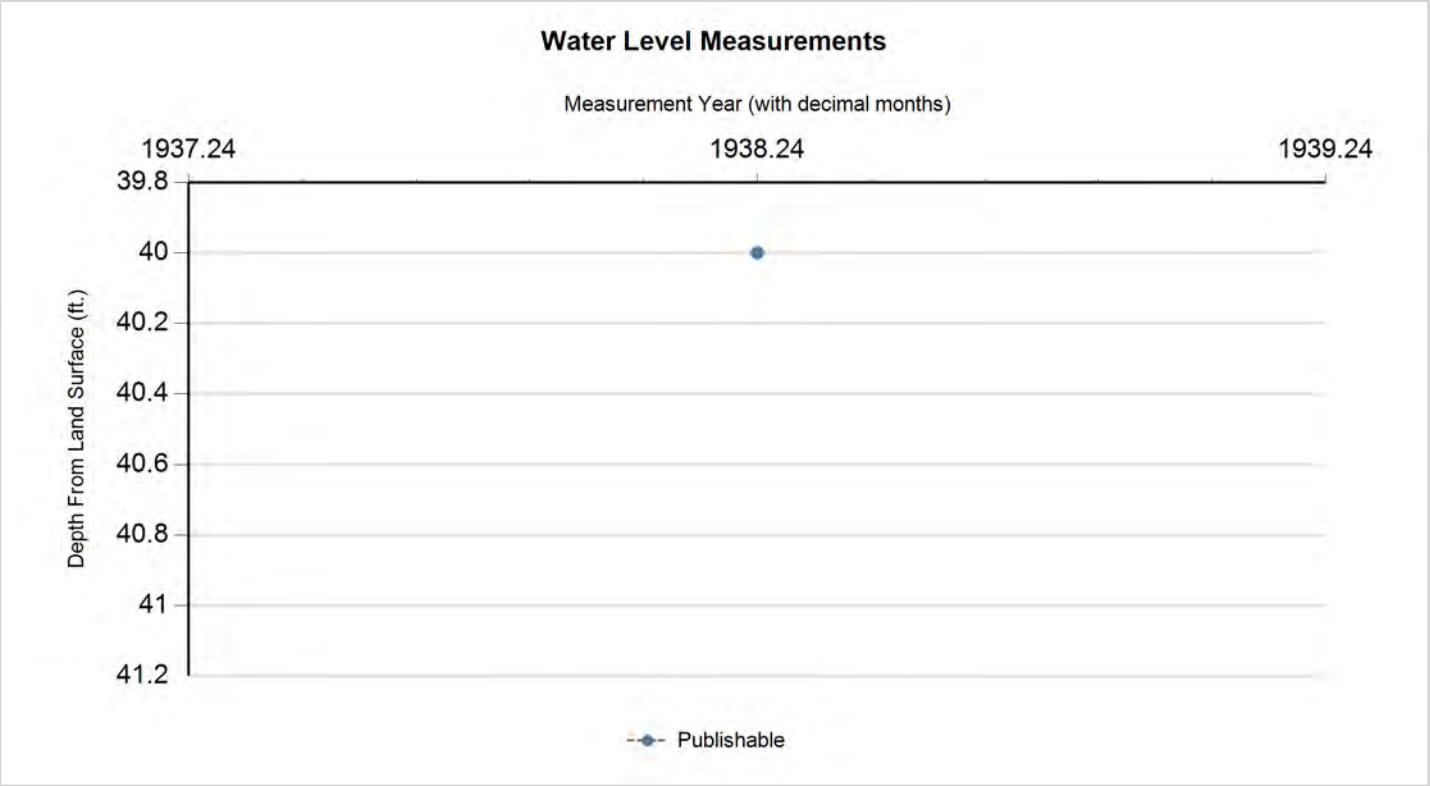
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/0/1938		40		0	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		344.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		420	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		74	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		192	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		471	mg/L	

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		340.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		415	mg/L	
00910	CALCIUM (MG/L)		11	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		77	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.08		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		13.91		
00932	SODIUM, CALCULATED, PERCENT		92	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		191	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		487	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		343.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		419	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		852	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	

Water Quality Analysis

Sample Date: 6/29/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		74	mg/L	

Water Quality Analysis

Sample Date: 2/12/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		78	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		344.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		420	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		78	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		29	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		872	MICR	

Water Quality Analysis

Sample Date: 2/23/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		406	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		75	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		834	MICR	

Water Quality Analysis

Sample Date: 1/30/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		339.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		414	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		79	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		850	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		176	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		94	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		438	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-755

Water Quality Analysis

Sample Date: 7/24/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		339.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		414	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		78	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		26	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		844	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514756 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294529 **Longitude** 952012 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Houston Packing Co.
Well #3

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1930 **Depth** 619 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION **Const-Method** **Casing Material**

Completion **Screen Material**

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1941
-102

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 101 ft. of screen
between 235 and 611 ft.
Yield: 200 gpm with 22 ft.
drawdown on 7/13/41

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-756

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514756
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.758056
Latitude (degrees minutes seconds)	29° 45' 29" N
Longitude (decimal degrees)	-95.336667
Longitude (degrees minutes seconds)	095° 20' 12" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	619
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1930
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Houston Packing Co. Well #3
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 101 ft. of screen between 235 and 611 ft. Yield: 200 gpm with 22 ft. drawdown on 7/13/41

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

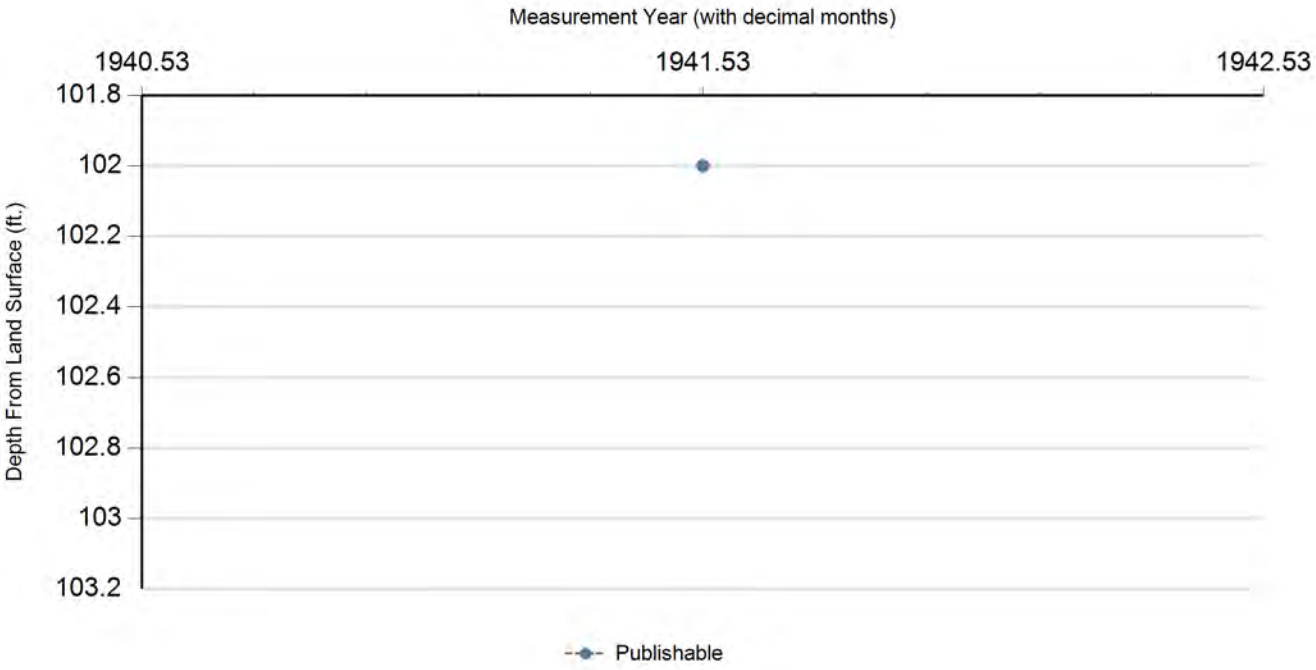
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-756

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/13/1941		102		-62	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514758 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294530 **Longitude** 952005 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Houston Packing Co.
Well #4

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1936 **Depth** 424 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - Pump Mfr. - _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1936
-71

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: 68 ft. of screen
between 339 and 420 ft.
Yield: 500 gpm with 43 ft.
drawdown when drilled.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-758

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514758
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.758334
Latitude (degrees minutes seconds)	29° 45' 30" N
Longitude (decimal degrees)	-95.334722
Longitude (degrees minutes seconds)	095° 20' 05" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	424
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1936
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Houston Packing Co. Well #4
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 68 ft. of screen between 339 and 420 ft. Yield: 500 gpm with 43 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

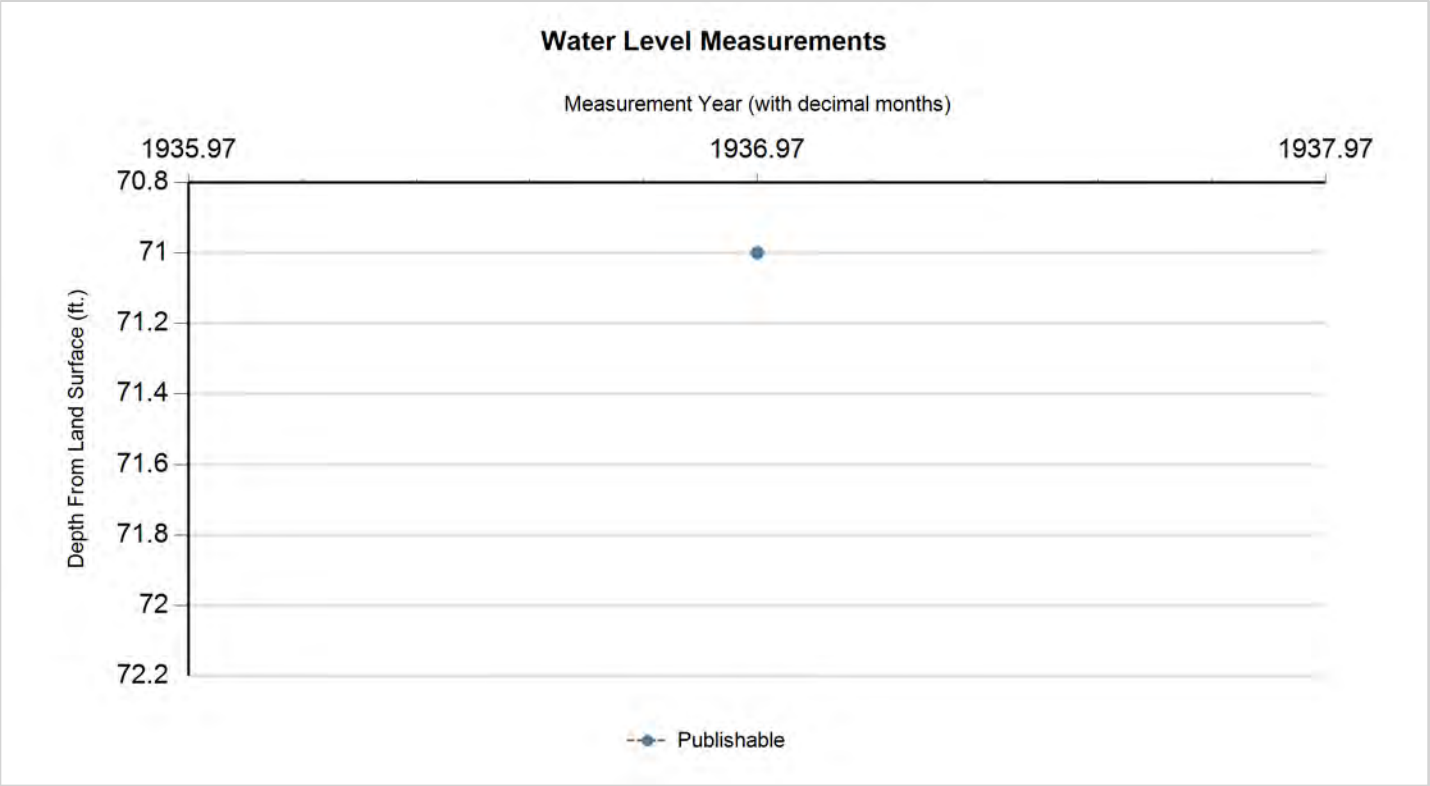
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/23/1936		71		-31	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-759

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. BROWN) (7-1941)

Record by N.A.R. & W.F.G. Source of data FILES Date 2-20-68 Map 1:24000 September 1955

State Texas [48] County (or town) Harris [LJ]

Latitude: [2 9 4 7 2 8 N] deg min sec N/S Longitude: [0 9 5 2 0 0 1] degrees min sec E Sequential number: [1]

Lat-long accuracy: [1] T. ____ N/S, R ____ E/W, Sec ____, ____ ¼, ____ ¼, ____ ¼

Local well number: LJ-65-14-759 Other number: B & M Well at 2.1995 in 559-C

Local use: Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: NORTHEAST PLANT

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other Abd. 1964 [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Rec, (O) Obs, (Q) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [U]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1938-1967; 1972 Semiannual [S] Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 8-17-38-63 [I] Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: E-LOG V-28 [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1291 ft [1291] Meas. (rept) Driller accuracy [3]

Depth cased: (first perf.) 461 ft [461] Casing type: STEEL ; Diam 21¼-12¾ in [21]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other [G]

Method Drilled: (A) air rot, (B) bored, cable, (D) dug, (H) hyd rot., (J) jetted, air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (X) other [H]

Date Drilled: 1938 [938] Pump intake setting: ft

Driller: LAYNE-TEXAS Co. (name), HOUSTON, TEX. (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (X) other [N] Deep / Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat, LP; H.P. FORMERLY 150 HP T-E Trans. or meter no.

Descrip. MP ft above/below LSD. Alt. MP

Alt. LSD: 49' [49] Accuracy (source): 5' TOPO [3]

Water Level ft above/below MP; Pt above/below LSD Accuracy:

Date meas: Jan. 1942 Yield: 2010 gpm Method determined

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chlorides ppm Hard. ppm

Sp. Conduct x 10⁶ Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-14-759

Well No. LJ-65-14-759

Latitude-longitude 27 d 47 m 28 s N 095 d 20 m 01 s W

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD [1–19] Physiographic Province: COASTAL PLAIN [20–21] 03 Section: _____

[22] F Drainage Basin: _____ [23–25] 511R Subbasin: _____ [26]

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [27]

MAJOR AQUIFER: _____ system, _____ series [28–29] T _____ aquifer, formation, group [30–31] E

Lithology: _____ [32–33] Origin: _____ [34] Aquifer Thickness: _____ ft

[35–37] Length of well open to: 404 ft [38–40] 404 Depth to top of: _____ ft [41–43]

MINOR AQUIFER: _____ system, _____ series [44–45] Q _____ aquifer, formation, group [46–47] CL

Lithology: _____ [48–49] Origin: _____ [50] Aquifer Thickness: _____ ft

[51–53] Length of well open to: 73 ft 255 [54–56] 21 Depth to top of: 21 ft 34 [57–59]

Intervals Screened: 461-534, 622-884, 1015-1036, 1114-1135, 1245-1279

Depth to consolidated rock: _____ ft [60–63] Source of data: _____ [64]

Depth to basement: _____ ft [65–68] Source of data: _____ [69]

Surficial material: _____ [70–71] Infiltration characteristics: _____ [72]

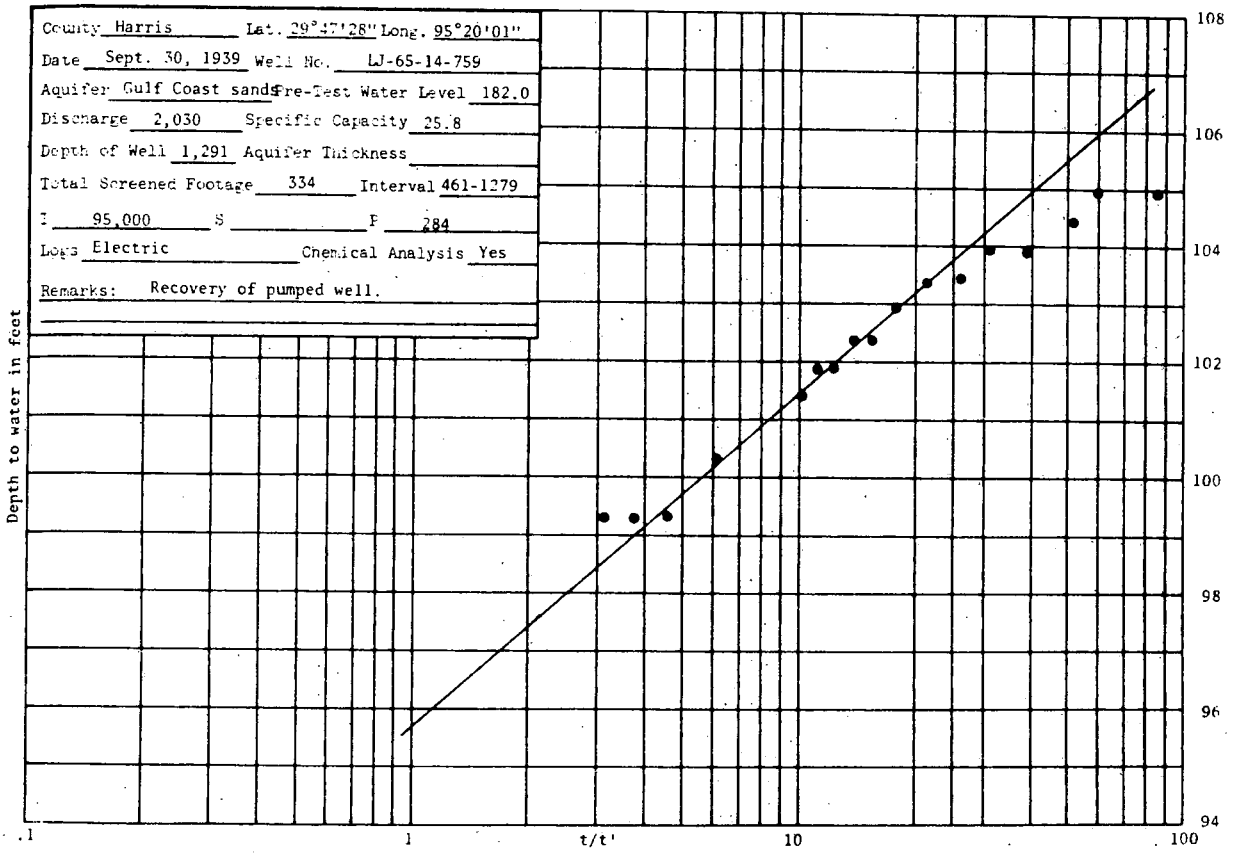
Coefficient Trans: ✓ _____ gpd/ft [73–75] Coefficient Storage: _____ [76–78]

Coefficient Perm: ✓ _____ gpd/ft^2; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [79]

375 ft. of 21½" csg.
and 916 ft. 12¾ inch
Gravel wall

Well No. LJ-65-14-759

GPO 857-700


County Harris Lat. 29°47'28" Long. 95°20'01"
Date Sept. 30, 1939 Well No. LJ-65-14-759
Aquifer Gulf Coast sands Pre-Test Water Level 182.0
Discharge 2,030 Specific Capacity 25.8
Depth of Well 1,291 Aquifer Thickness
Total Screened Footage 334 Interval 461-1279
T 95,000 S P 284
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
108
106
104
102
100
98
96
94
.1
1
t/t'
10
100

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Well Information Report for State Well Number 65-14-759

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Well Basic Details

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State Well Number	6514759
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791389
Latitude (degrees minutes seconds)	29° 47' 29" N
Longitude (decimal degrees)	-95.333889
Longitude (degrees minutes seconds)	095° 20' 02" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1291
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Northeast #2
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/20/1968
Last Update Date	7/14/2010

Remarks	Reported yield 2030 GPM with 78.6 feet recovery in 1939. Specific capacity 25.8 GPM/ft. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
21	Blank	Steel			0	375
12	Blank	Steel			375	461
12	Screen	Steel			461	534
12	Blank	Steel			534	629
12	Screen	Steel			629	884
12	Blank	Steel			884	1015
12	Screen	Steel			1015	1036
12	Blank	Steel			1036	1114
12	Screen	Steel			1114	1135
12	Blank	Steel			1135	1245
12	Screen	Steel			1245	1279
12	Blank	Steel			1279	1291

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

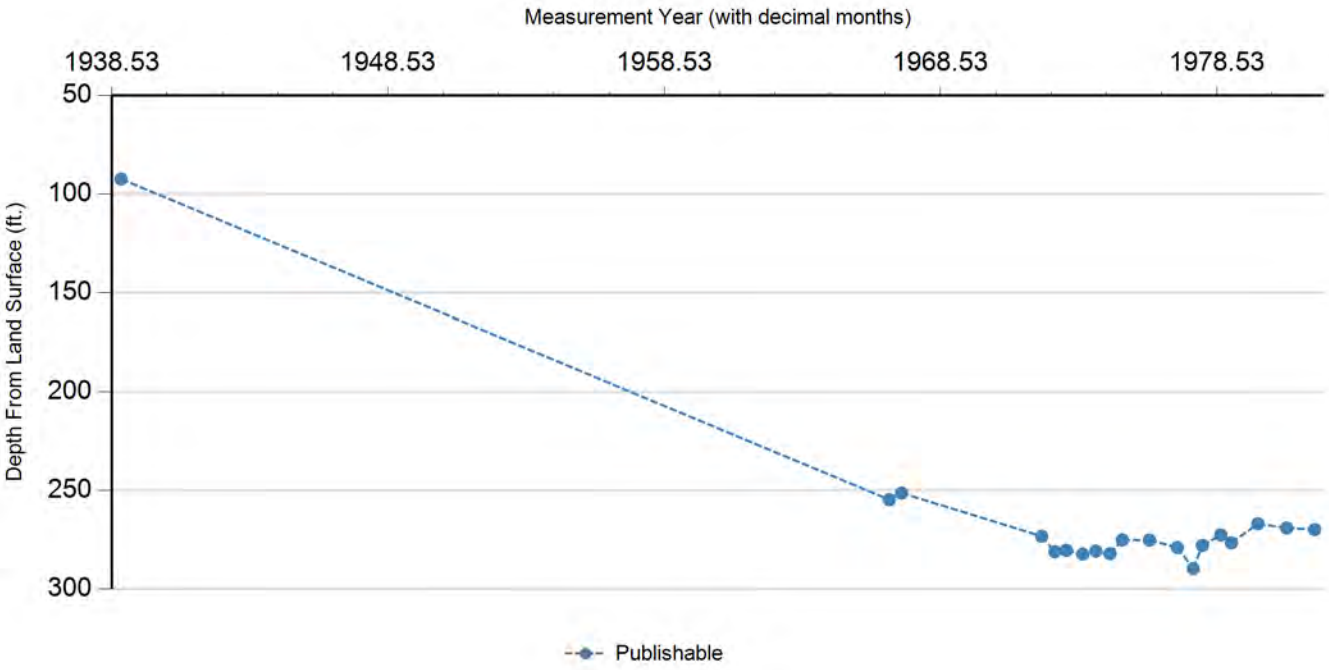
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/16/1938		92.4		-43.4	1	U.S. Geological Survey	Steel Tape		
P	9/8/1966		254.65	162.25	-205.65	1	U.S. Geological Survey	Steel Tape		
P	2/14/1967		251.28	(3.37)	-202.28	1	U.S. Geological Survey	Steel Tape		
P	3/10/1972		273.14	21.86	-224.14	1	U.S. Geological Survey	Steel Tape		
P	9/5/1972		281.02	7.88	-232.02	1	U.S. Geological Survey	Steel Tape		
P	2/2/1973		280.28	(0.74)	-231.28	1	U.S. Geological Survey	Steel Tape		
P	9/6/1973		282.23	1.95	-233.23	1	U.S. Geological Survey	Steel Tape		
P	2/26/1974		280.73	(1.50)	-231.73	1	U.S. Geological Survey	Steel Tape		
P	9/4/1974		282.02	1.29	-233.02	1	U.S. Geological Survey	Steel Tape		
P	2/11/1975		275.03	(6.99)	-226.03	1	U.S. Geological Survey	Steel Tape		
P	2/5/1976		275.13	0.10	-226.13	1	U.S. Geological Survey	Steel Tape		
P	2/8/1977		278.9	3.77	-229.9	1	U.S. Geological Survey	Steel Tape		
P	9/8/1977		289.55	10.65	-240.55	1	U.S. Geological Survey	Steel Tape		
P	1/4/1978		277.84	(11.71)	-228.84	1	U.S. Geological Survey	Steel Tape		
P	9/8/1978		272.5	(5.34)	-223.5	1	U.S. Geological Survey	Steel Tape		
P	1/22/1979		276.5	4.00	-227.5	1	U.S. Geological Survey	Electric Line		
P	1/7/1980		266.9	(9.60)	-217.9	1	U.S. Geological Survey	Steel Tape		
P	1/23/1981		268.99	2.09	-219.99	1	U.S. Geological Survey	Steel Tape		
P	1/28/1982		269.82	0.83	-220.82	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 8/17/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00910	CALCIUM (MG/L)		27	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		105	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		1000	ug/L	
00920	MAGNESIUM (MG/L)		9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.97		
00955	SILICA, DISSOLVED (MG/L AS SI02)		8	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.9		
00932	SODIUM, CALCULATED, PERCENT		58	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		68	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		270	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		495	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		189.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		231	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		475	MICR	

Water Quality Analysis

Sample Date: 3/15/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		142.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		174	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		433	MICR	

Water Quality Analysis

Sample Date: 2/29/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		135	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		487	MICR	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		139	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		467	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 2/27/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		174.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		213	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		127	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	

Water Quality Analysis

Sample Date: 3/7/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		160.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		196	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		431	MICR	

Water Quality Analysis

Sample Date: 3/9/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		478	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-759

Water Quality Analysis

Sample Date: 3/13/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		134.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		164	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		110	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		399	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-14-759

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. BROWN) (7-1941)

Record by N.A.R. & W.F.G. Source of data FILES Date 2-20-68 Map 1:24000 September 1955

State Texas [48] County (or town) Harris [LJ]

Latitude: [2 9 4 7 2 8 N] deg min sec N/S Longitude: [0 9 5 2 0 0 1] degrees min sec E Sequential number: [1]

Lat-long accuracy: [1] T. ____ N/S, R ____ E/W, Sec ____, ____ ¼, ____ ¼, ____ ¼

Local well number: LJ-65-14-759 Other number: B & M Well at 2.1995 in 559-C

Local use: ____ Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: NORTHEAST PLANT

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Ind, (N) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other Abd. 1964 [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Rec, (O) Obs, (Q) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [U]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1938-1967; 1972 Semiannual [S] Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: [ ]

Freq. sampling: 8-17-38-63 [I] Pumpage inventory: yes / no, period: [ ]

Aperture cards: yes [ ]

Log data: E-LOG V-28 [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1291 ft [1291] Meas. (rept) Driller accuracy [3]

Depth cased: (first perf.) 461 ft [461] Casing type: STEEL ; Diam 21¼-12¾ in [21]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other [G]

Method Drilled: (A) air rot, (B) bored, cable, (C) dug, (D) hyd rot., (H) jetted, (J) air percussion, (P) reverse rotary, (R) trenching, (T) driven, (V) drive wash, (Z) other [H]

Date Drilled: 1938 [938] Pump intake setting: ____ ft [ ]

Driller: LAYNE-TEXAS CO. (name), HOUSTON, TEX. (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] Deep / Shallow [ ]

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat, LP; H.P. FORMERLY 150 HP T-E [ ] Trans. or meter no. ____

Descrip. MP ____ ft above/below LSD. Alt. MP ____

Alt. LSD: 49' [49] Accuracy: (source) 5' TOPO [3]

Water Level ____ ft above/below MP; Ft above/below LSD [ ] Accuracy: ____ [ ]

Date meas: Jan. 1942 [ ] Yield: 2010 gpm [ ] Method determined [ ]

Drawdown: ____ ft [ ] Accuracy: ____ [ ] Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] Sulfate ____ ppm [ ] Chloride ____ ppm [ ] Hard. ____ ppm [ ]

Sp. Conduct ____ K x 10^6 [ ] Temp. ____ °F [ ] Date sampled [ ]

Taste, color, etc. ____

Well No. LJ-65-14-759

Well No. LJ-65-14-759

Latitude-longitude 27 d 47 m 28 s N 095 d 20 m 01 s W

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD [1–19] Physiographic Province: COASTAL PLAIN [20–21] 03 Section: _____

[22] F Drainage Basin: _____ [23–25] 511R Subbasin: _____ [26]

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [27]

MAJOR AQUIFER: _____ system, _____ series [28–29] T _____ aquifer, formation, group [30–31] E

Lithology: _____ [32–33] Origin: _____ [34] Aquifer Thickness: _____ ft

[35–37] Length of well open to: 404 ft [38–40] 404 Depth to top of: _____ ft [41–43]

MINOR AQUIFER: _____ system, _____ series [44–45] Q _____ aquifer, formation, group [46–47] CL

Lithology: _____ [48–49] Origin: _____ [50] Aquifer Thickness: _____ ft

[51–53] Length of well open to: 73 255 ft [54–56] 21 24 Depth to top of: 21 24 ft [57–59]

Intervals Screened: 461-534, 623-884, 1015-1036, 1114-1135, 1245-1279

Depth to consolidated rock: _____ ft [60–63] Source of data: _____ [64]

Depth to basement: _____ ft [65–68] Source of data: _____ [69]

Surficial material: _____ [70–71] Infiltration characteristics: _____ [72]

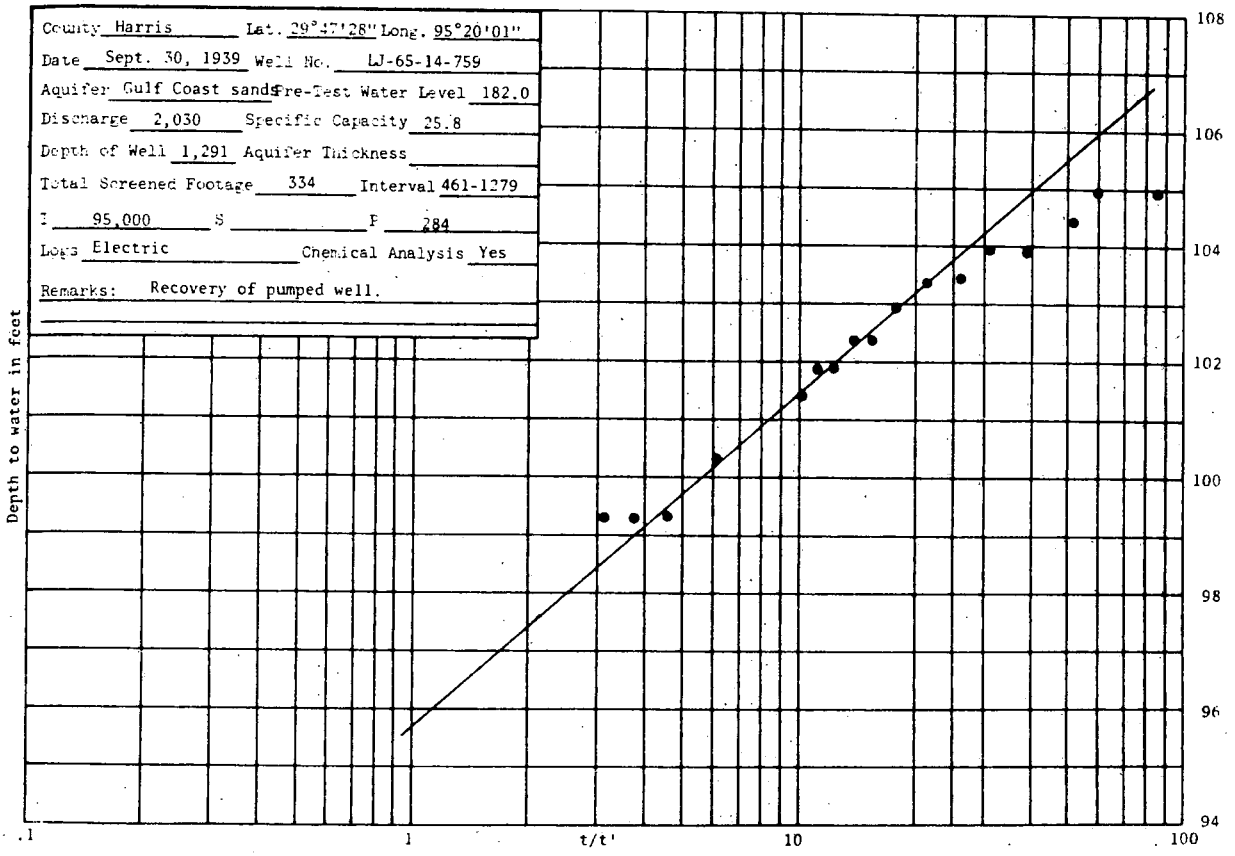
Coefficient Trans: ✓ _____ gpd/ft [73–75] Coefficient Storage: _____ [76–78]

Coefficient Perm: ✓ _____ gpd/ft²; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [79]

375 ft. of 21½" csg.
and 916 ft. 12¾ inch
Gravel wall

Well No. LJ-65-14-759

GPO 857-700


County Harris Lat. 29°47'28" Long. 95°20'01"
Date Sept. 30, 1939 Well No. LJ-65-14-759
Aquifer Gulf Coast sands Pre-Test Water Level 182.0
Discharge 2,030 Specific Capacity 25.8
Depth of Well 1,291 Aquifer Thickness
Total Screened Footage 334 Interval 461-1279
T 95,000 S P 284
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
108
106
104
102
100
98
96
94
.1
1
t/t'
10
100

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-759

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514759
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.791389
Latitude (degrees minutes seconds)	29° 47' 29" N
Longitude (decimal degrees)	-95.333889
Longitude (degrees minutes seconds)	095° 20' 02" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1291
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Northeast #2
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/20/1968
Last Update Date	7/14/2010

Remarks	Reported yield 2030 GPM with 78.6 feet recovery in 1939. Specific capacity 25.8 GPM/ft. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
21	Blank	Steel			0	375
12	Blank	Steel			375	461
12	Screen	Steel			461	534
12	Blank	Steel			534	629
12	Screen	Steel			629	884
12	Blank	Steel			884	1015
12	Screen	Steel			1015	1036
12	Blank	Steel			1036	1114
12	Screen	Steel			1114	1135
12	Blank	Steel			1135	1245
12	Screen	Steel			1245	1279
12	Blank	Steel			1279	1291

Well Tests - No Data

Lithology - No Data

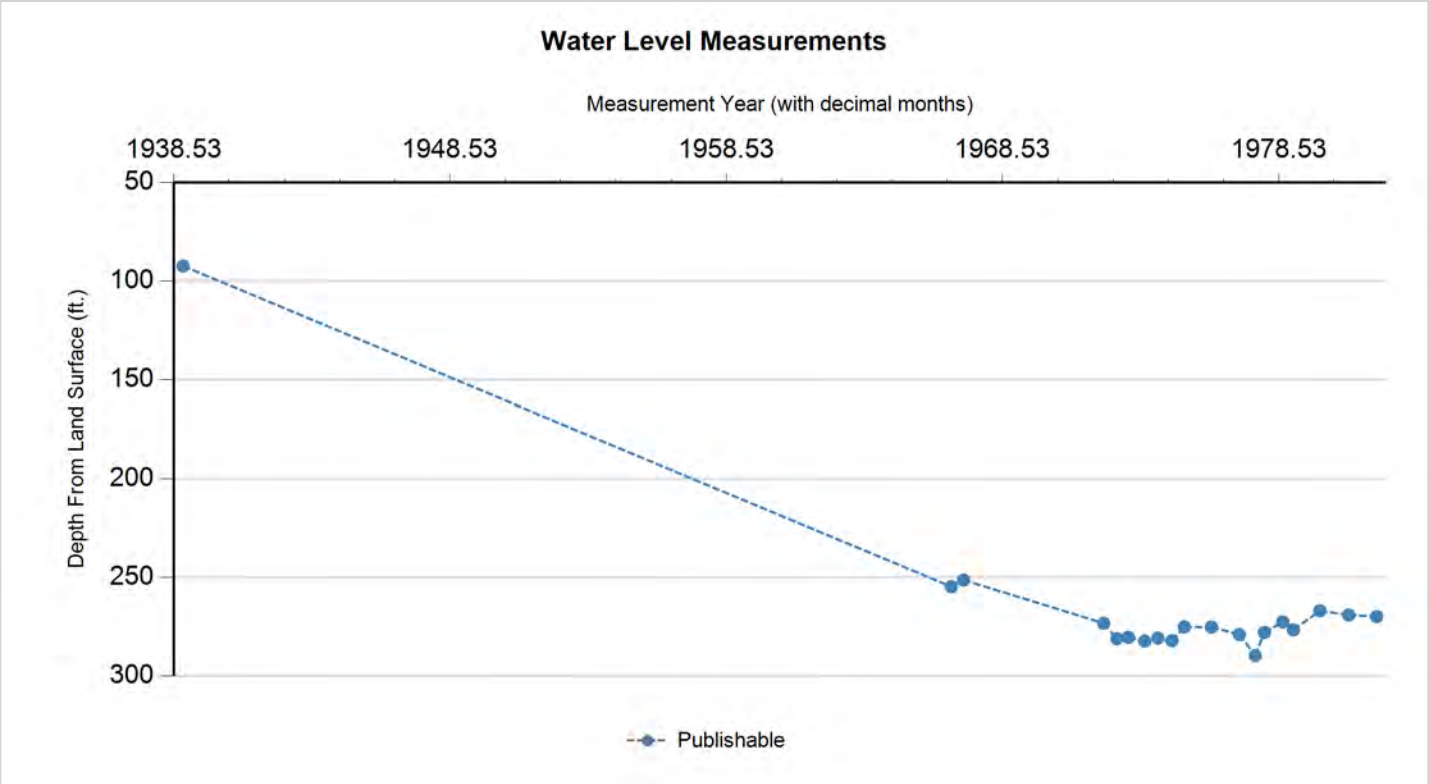
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/16/1938		92.4		-43.4	1	U.S. Geological Survey	Steel Tape		
P	9/8/1966		254.65	162.25	-205.65	1	U.S. Geological Survey	Steel Tape		
P	2/14/1967		251.28	(3.37)	-202.28	1	U.S. Geological Survey	Steel Tape		
P	3/10/1972		273.14	21.86	-224.14	1	U.S. Geological Survey	Steel Tape		
P	9/5/1972		281.02	7.88	-232.02	1	U.S. Geological Survey	Steel Tape		
P	2/2/1973		280.28	(0.74)	-231.28	1	U.S. Geological Survey	Steel Tape		
P	9/6/1973		282.23	1.95	-233.23	1	U.S. Geological Survey	Steel Tape		
P	2/26/1974		280.73	(1.50)	-231.73	1	U.S. Geological Survey	Steel Tape		
P	9/4/1974		282.02	1.29	-233.02	1	U.S. Geological Survey	Steel Tape		
P	2/11/1975		275.03	(6.99)	-226.03	1	U.S. Geological Survey	Steel Tape		
P	2/5/1976		275.13	0.10	-226.13	1	U.S. Geological Survey	Steel Tape		
P	2/8/1977		278.9	3.77	-229.9	1	U.S. Geological Survey	Steel Tape		
P	9/8/1977		289.55	10.65	-240.55	1	U.S. Geological Survey	Steel Tape		
P	1/4/1978		277.84	(11.71)	-228.84	1	U.S. Geological Survey	Steel Tape		
P	9/8/1978		272.5	(5.34)	-223.5	1	U.S. Geological Survey	Steel Tape		
P	1/22/1979		276.5	4.00	-227.5	1	U.S. Geological Survey	Electric Line		
P	1/7/1980		266.9	(9.60)	-217.9	1	U.S. Geological Survey	Steel Tape		
P	1/23/1981		268.99	2.09	-219.99	1	U.S. Geological Survey	Steel Tape		
P	1/28/1982		269.82	0.83	-220.82	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 8/17/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00910	CALCIUM (MG/L)		27	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		105	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		1000	ug/L	
00920	MAGNESIUM (MG/L)		9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.97		
00955	SILICA, DISSOLVED (MG/L AS SI02)		8	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.9		
00932	SODIUM, CALCULATED, PERCENT		58	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		68	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		270	mg/L	

Water Quality Analysis

Sample Date: 2/9/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		495	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		189.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		231	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		475	MICR	

Water Quality Analysis

Sample Date: 3/15/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		142.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		174	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		433	MICR	

Water Quality Analysis

Sample Date: 2/29/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		226	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		135	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		487	MICR	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		139	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		467	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 2/27/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		174.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		213	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		127	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	

Water Quality Analysis

Sample Date: 3/7/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		160.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		196	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		126	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		431	MICR	

Water Quality Analysis

Sample Date: 3/9/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		478	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-759

Water Quality Analysis

Sample Date: 3/13/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		134.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		164	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		110	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		399	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-760

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514760
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.751945
Latitude (degrees minutes seconds)	29° 45' 07" N
Longitude (decimal degrees)	-95.352501
Longitude (degrees minutes seconds)	095° 21' 09" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	824
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1933
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Coca Cola Bottling Co.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 100 ft. of screen between 524 and 810 ft. Yield: 425 gpm with 23 ft. drawdown in 1940.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

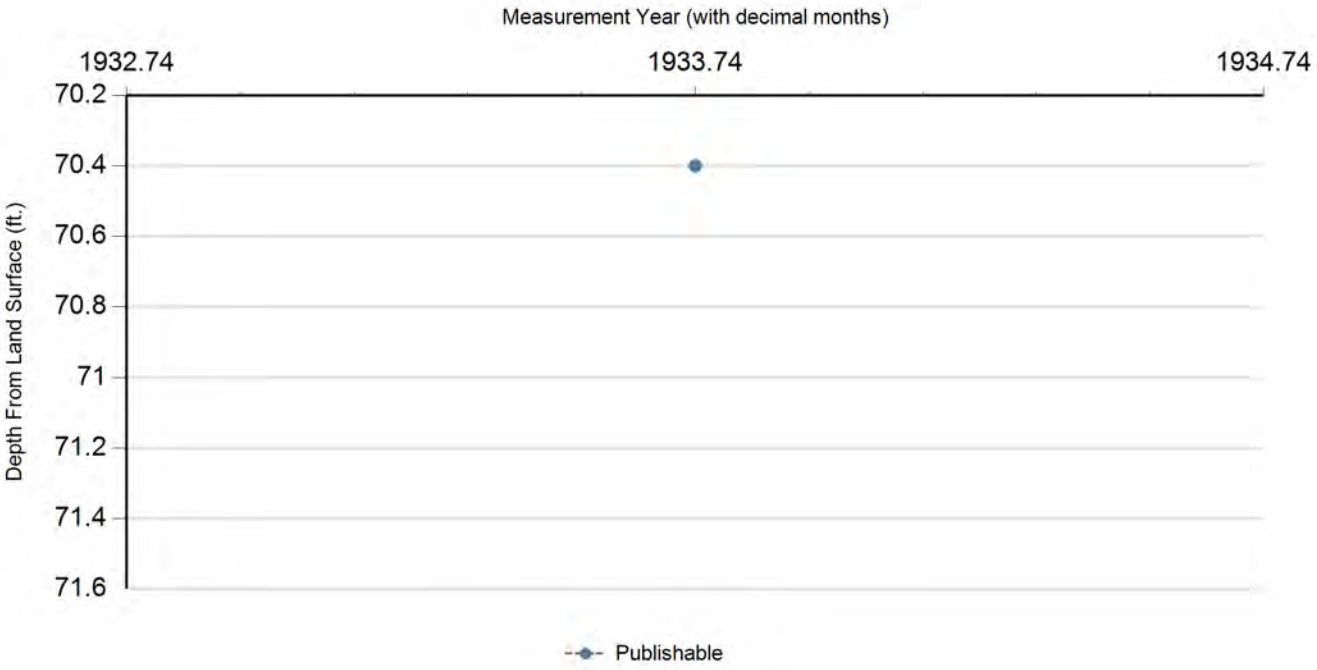
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/0/1933		70.4		-20.4	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6514762 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294527 **Longitude** 952016 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Lead Products Co.

Driller
H.L. Jackson

Address _____ **Tenant/Oper.** _____

Date Drilled / /1953 **Depth** 258 **Source of Depth** **Altitude** 40 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1955
-110

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 233 ot 258 ft. Reported yield 100 gpm when drilled.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-762

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514762
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.757501
Latitude (degrees minutes seconds)	29° 45' 27" N
Longitude (decimal degrees)	-95.337778
Longitude (degrees minutes seconds)	095° 20' 16" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	258
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1953
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Lead Products Co.
Driller	H.L. Jackson
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 233 ot 258 ft. Reported yield 100 gpm when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

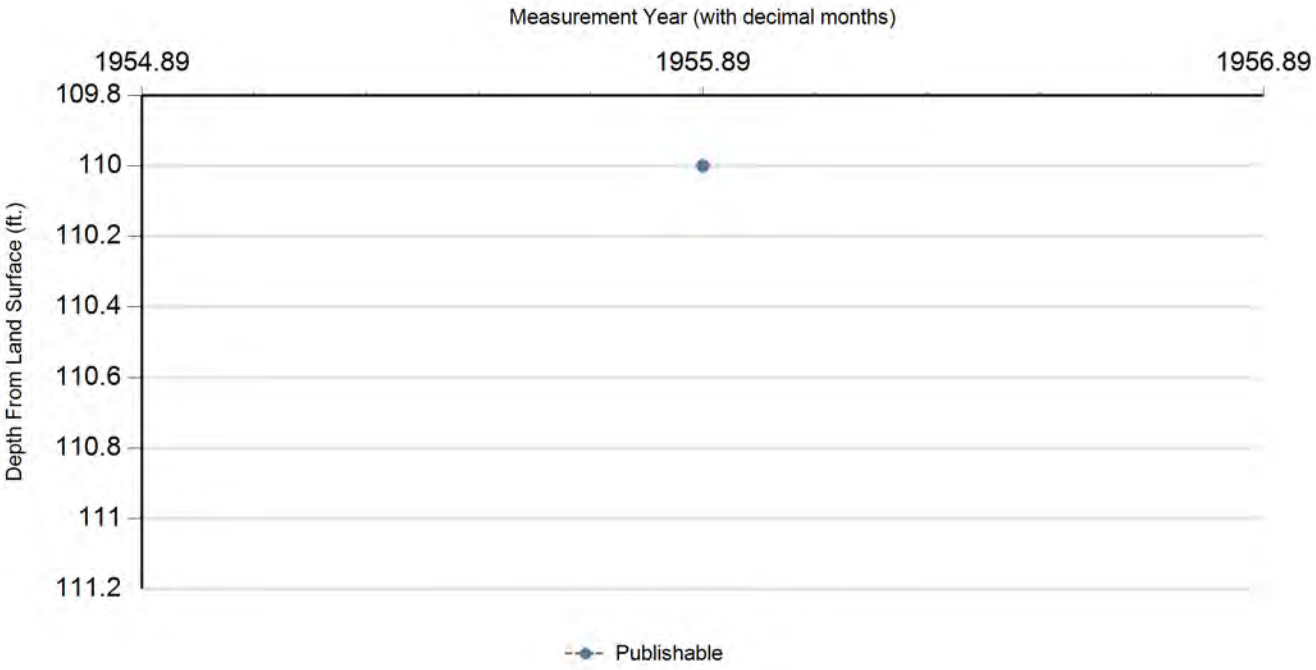
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-762

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/24/1955		110		-70	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-762

Water Quality Analysis

Sample Date: 4/24/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		219.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		268	mg/L	
00910	CALCIUM (MG/L)		51	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		172	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2300	ug/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.94		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.72		
00932	SODIUM, CALCULATED, PERCENT		39	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		52	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		543	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		314	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Evangeline Project No. _____ State Well No. 65-14-763

_____ Field No./Owner's Well No. _____ County Harris

1. Location: ___¼, ___¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: Memorial Baptist Hospital Address: _____

Tenant (other): _____ Address: _____

Driller: Layne Texas _____ Address: _____

3. Land Surface Elevation: 52 ft. above msl determined by _____

4. Drilled: _____ 19 63; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 1500 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type _____

No. Stages _____, Bowls Diam. ____ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel _____ HP. _____

9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. _____ Date ___

10. Performance Test: Date 5/63 Length of Test _____ Made by LT

Static Level 284 ft. Pumping Level ____ ft. Drawdown 39 ft.

Production 713 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS ____ Sp Cond _____

Date _____ Laboratory _____ TDS ____ Sp Cond _____

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log, Formation Samples, Geophysical Log(s) _____ (type)

CASING, BLANK PIPE & WELL SCREEN
Cemented From ____ ft. to ____ ft.

Diam. (in.)	Type	Setting (feet) from	to

13. Water Level(s): _____ ft. rept. meas. _____ 19__ above/below _____ which is ____ ft. above/below Land Surface

_____ ft. rept. meas. _____ 19__ above/below _____ which is ____ ft. above/below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

17. Location or Sketch:

TDWR-0308

1765

W/L Obs. Well ___ W/Q Obs. Well ___

State Well No. ____ - ____ - _____

FORM NO. 28 65-14-[redacted] mark 102(2)

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO. 6377-63
S. O. 2404-63
PAGE 1 OF 2
FILE NO. 2768
DATE 5/10/63

WELL LOG

CUSTOMER LOCATION

FOR MEMORIAL BAPTIST HOSPITAL

LOCATION WELL 602 DALLAS, HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS

WELL DATA

NAME WELL WELL NO. 1

ELEVATION DATUM

RT C 7-7/8" GR

TEST HOLE SIZE 9-7/8& TD 1500'

DATE STARTED DRILLING 5-6-63

DATE FINISHED DRILLING 5-9-63

DRILLER GUY PATTON RIG NO. 247

TYPE MUD JEL NO. SACKS 30

ELECTRIC LOG YES TYPE WIDCO

SURVEY EASTMAN TYPE SINGLE-SHOT

OTHER DRILLER: F. R. WALL

CK

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		SURFACE			
91	91				
237	146	RED SANDY CLAY			
245	8	SAND			
299	54	BLUE CLAY & SANDY CLAY			
328	29	WHITE FINE SAND			
332	8	GRAY SHALE			
360	28	BROWN SAND & SANDY SHALE			
385	25	SANDY SHALE & SHALE BREAKS			
438	53	SAND & SHALE BREAKS			
472	34	SHALE & SAND STREAKS			
512	40	SAND-CUT GOOD			
520	8	SHALE			
552	32	SAND-CUT GOOD			
563	11	SANDY SHALE			
598	35	SAND-CUT GOOD, STRKS. OF LIME			
612	14	SHALE			
629	17	SANDY SHALE			
650	21	SHALE			
678	28	SAND & HARD STREAKS			
736	58	SHALE			
751	15	SAND-CUT GOOD			
768	17	SANDY SHALE & SAND STREAKS			
788	20	SAND & SHALE BREAKS			
798	10	SANDY SHALE			
810	12	SAND			
844	34	SHALE & STREAKS OF SAND			
880	36	SAND & SANDY SHALE			
892	12	SANDY SHALE			
1011	119	SAND & SHALE BREAKS			
1028	17	SHALE			
1032	4	SAND			
1082	50	SHALE & SANDY SHALE			
1106	24	SAND			
1122	16	SHALE			
1139	17	SANDY SHALE & SAND STREAKS			

(5-14-76)

65-14-763

FORM NO. 28

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO. 6377-63
S O 2404-63
PAGE 2 OF 2
FILE NO. 2768
DATE 5/10/63

WELL LOG

CUSTOMER LOCATION

FOR MEMORIAL BAPTIST HOSPITAL

LOCATION WELL 602 DALLAS, HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS

WELL DATA

NAME WELL WELL NO 1

ELEVATION DATUM

RT C GR

TEST HOLE SIZE 9-7/8& 7-7/8 TD 1500'

DATE STARTED DRILLING 5-6-63

DATE FINISHED DRILLING 5-9-63

DRILLER BUY PATTON RIG NO 247

TYPE MUD JEL NO SACKS 30

ELECTRIC LOG YES TYPE WIDCO

SURVEY EASTMAN TYPE SINGLE SHOT

OTHER DRILLER: F. R. WALL

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
1139					
1193	54	SHALE			
1210	17	SAND, SHALE & SAND STREAKS			
1244	34	SAND, SHALE & SAND STREAKS			
1294	50	SHALE			
1315	21	SAND			
1321	6	SHALE			
1350	29	SAND & SHALE LAYERS			
1380	30	SAND & SHALE LAYERS			
1399	19	SHALE			
1476	77	SAND & SHALE BREAKS			
1500	24	SHALE			

TOTAL DEPTH 1500 FT.

Attach:
4 Pages
WW# 65-12-7A

65-14-763

FORM NO. 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

65-14-7a

MATERIAL SETTING

REPORT NO. 6378
S O 2404-63
PAGE 1 OF 1
FILE NO. 2768
DATE 5/31/63

CUSTOMER LOCATION

FOR MEMORIAL BAPTIST HOSPITAL

LOCATION WELL 602 DALLAS AVENUE, HOUSTON

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS

WELL DATA

NAME WELL WELL NO. 1

ELEVATION DATUM

TYPE WELL GRAVEL-WALL

SURFACE CASING CEMENTED YES NO. SACKS 500+8% GEL

SIZE HOLE UNDERREAMED 30" DEPTH 1500'

GRAVEL TYPE 112, 13, 165 NO. CU. YDS. 72

TYPE SCREEN SS WW RIB CHANNEL GAGE .045" GA.

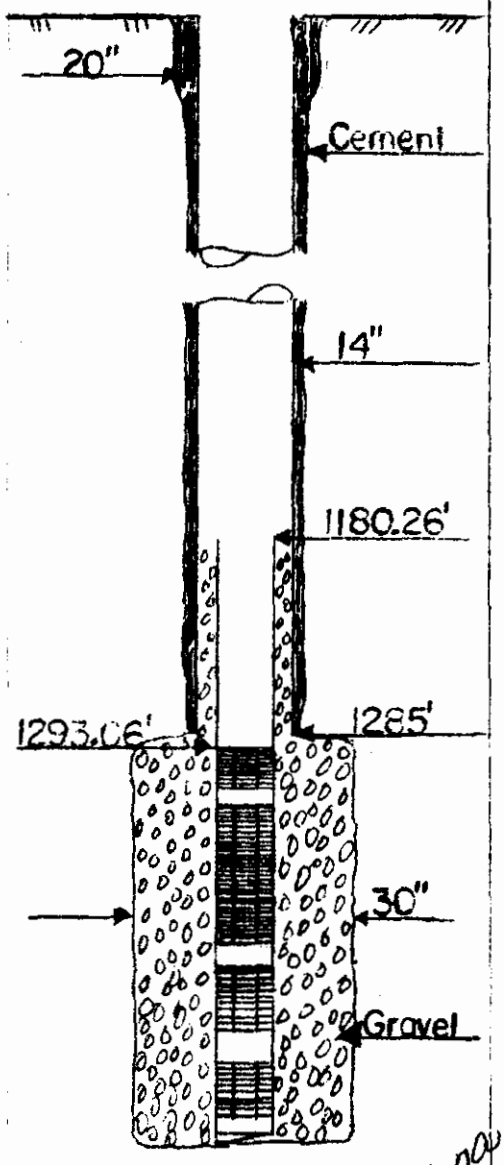
DRILLER GUY PATTON RIG NO. 247

OTHER F. R. WALL

DEPTH	LENGTH	SIZE. KIND. WEIGHT MATERIAL
0		SIDEWALK LEVEL
1180.26'		TOP OF 8-5/8" O.D. LINER
80'		20" O.D. CONDUCTOR PIPE
1285'	1285'	14" O.D. SURFACE CASING
1293.06'	112.28'	8-5/8" O.D. BLANK LINER
1313.60'	20.54'	8-5/8" O.D. S.S. W.W. RIB CHANNEL SCREEN .045" GA.
1323.33'	9.73'	8-5/8" O.D. BLANK PIPE
1389.07'	65.74'	8-5/8" O.D. S.S. W.W. RIB CHANNEL SCREEN .045" GA.
1403.80'	14.73'	8-5/8" O.D. BLANK PIPE
1439.70'	35.90'	8-5/8" O.D. S.S. W.W. RIB CHANNEL SCREEN .045" GA.
1454.72'	15.02'	8-5/8" O.D. BLANK PIPE
1479.83'	25.11'	8-5/8" O.D. S.S. W.W. RIB CHANNEL SCREEN .045" GA.
1497.73'	17.90'	8-5/8" O.D. BLANK PIPE
1500.00'	2.27'	8-5/8" O.D. P.P. SET NIPPLE, WOOD WASH PLUG AND B.P. VALVE

TOTAL DEPTH 1500 FEET

SKETCH



65-14-76

65-14-76A

REPORT NO 6379
S O 2404-63
PAGE 1 OF 1
FILE NO 2768
DATE 5/31/63

LAYNE TEXAS COMPANY

65-14-7a HOUSTON -:- DALLAS

WATER WELL TEST

CUSTOMER LOCATION

TEST FOR **MEMORIAL BAPTIST HOSPITAL**

LOCATION OF WELL **602 DALLAS AVENUE, HOUSTON**

SURVEY FIELD

COUNTY **HARRIS** STATE **TEXAS**

DESCRIPTION OF LAND MARKS

WELL DATA

NAME WELL **SAME** WELL NO **1**

ELEVATION DATUM

WELL SIZE **20"x14"** x **8-5/8"** x **30" U.R.**

TOTAL DEPTH **1500'** TOP SCREEN **1293.06'**

GRAVEL WELL **YES** STRAIGHT WELL

TYPE SCREEN **SS WW RIB** SLOT SIZE **.045"**
CHANNEL

TEMPERATURE OF WATER

WATER CONDITION

WATER MEASURING DEVICE

ORIFICE SIZE **10"x7"** LENGTH **10'**

OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL **360'**

LENGTH AIR LINE **354'** SIZE **1/4"**

NO. BOWLS **12" WMC** NO. STAGES **10**

LENGTH BOWL SUCTION LT

SAND CONTENT **0** OZ PER 100 GAL

WATER SAMPLE TAKEN NO. SAMPLES

BACTERIOLOGICAL SAMPLE TAKEN

DRAWDOWN SPECIFIC CAPACITY

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN	287 FT	20 MIN	285 FT
10 MIN	286 FT	25 MIN	284 FT
15 MIN	285 FT	30 MIN	284 FT

S.L. BEFORE START 282 FT.

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
5/28/63 - 7:00 A.M.		STARTED TEST ON			713			
7:30AM	33	319		12	728			
8:00	33	319		12	728			T. SAND
8:30	32	320		11½	713			
9:00	32	320		11½	713			
9:30	32	320		11½	713			
10:00	31	321		11½	713			
10:30	31	321		11½	713			
11:00	31	321		11½	713			
11:30	31	321		11½	713			
12:00 N	31	321		11½	713			
12:30 PM	30	322		11½	713			
1:00	30	322		11½	713			
1:30	30	322		11½	713			
2:00	29	323		11½	713			
2:30	29	323		11½	713			
3:00	29	323		11½	713			
3:30	29	323		11½	713			
4:00	29	323		11½	713			
4:30	29	323		11½	713			
5:00	29	323		11½	713			
5:30	29	323		11½	713			
6:00	29	323		11½	713			
6:30	29	323		11½	713			
7:00	29	323		11½	713			

OBSERVERS

FOR OWNER

GUY PATTON - F. R. WALL
FOR LAYNE TEXAS CO.

65-14-7a 703

FORM NO. 2

MICROBIOLOGY SERVICE LABORATORIES

65-14-7a

RI 7-7271
~~RI 7-0170~~

analytical chemists . . . microbiologists

4 June 1963

[redacted]
Houston 21, Texas
4820 Old Spanish Trail

To: Layne Texas Company
Houston 11, Texas

SO 2404-63

Sample marked: Well No. 1, Memorial Baptist Hospital, Houston, Harris Cty, Texas.
Taken: 5-3[illegible]-63 after 13 Hrs. pumping at 713 gpm with Test Pump. Static Head: 330'.
Pumping Level: 338'. Screened: 1095 – 1307'.

Received: 5-31-63.

WATER ANALYSIS

results in parts per million (mg/l) except as noted

Dissolved Residue at 105° C		[illegible]	Conductance, micromhos/cm, 25°C		650
Total Dissolved Solids, actual†		559	Color, units		< 5
Total Dissolved Solids, calc.		545	Turbidity, units		0
Silica	SiO_2	15	As Calcium Carbonate, $CaCO_3$:		
Iron and Aluminum Oxides	R_2O_3	1	Phenolhpthalein Alkalinity		0
Calcium	Ca	13	Total Alkalinity		260
Magnesium	Mg	4	Total Hardness		48
Sodium (diff.) Na+K as	Na	136	Free Carbon Dioxide	CO_2	5
Carbonate	CO_3	0	pH . . . 8.0		
Bicarbonate	HCO_3	317	HYPOTHETICAL COMBINATIONS		
Sulfate	SO_4	0	Calcium Bicarbonate		53
			Magnesium Bicarbonate		23
Chloride	Cl	59	Sodium Bicarbonate		356
			Sodium Chloride		97
Total Iron	Fe	0.13	SiO_2+R_2O_3		16
			Total Dissolved Solids, calc.		545

† Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

Microbiology Service Laboratories

By: Edna Wood

3880

1770

65-14-7a
703

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-763

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514763
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.757223
Latitude (degrees minutes seconds)	29° 45' 26" N
Longitude (decimal degrees)	-95.368611
Longitude (degrees minutes seconds)	095° 22' 07" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1500
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1963
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Other
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Memorial Baptist Hospital
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	12/8/2015

Remarks	TWDB R178: 148 ft. of screen between 1,293 and 1,480 ft. Yield: 713 gpm with 39 ft. drawdown when drilled. Originally a public supply well, unknown well use in 2015.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

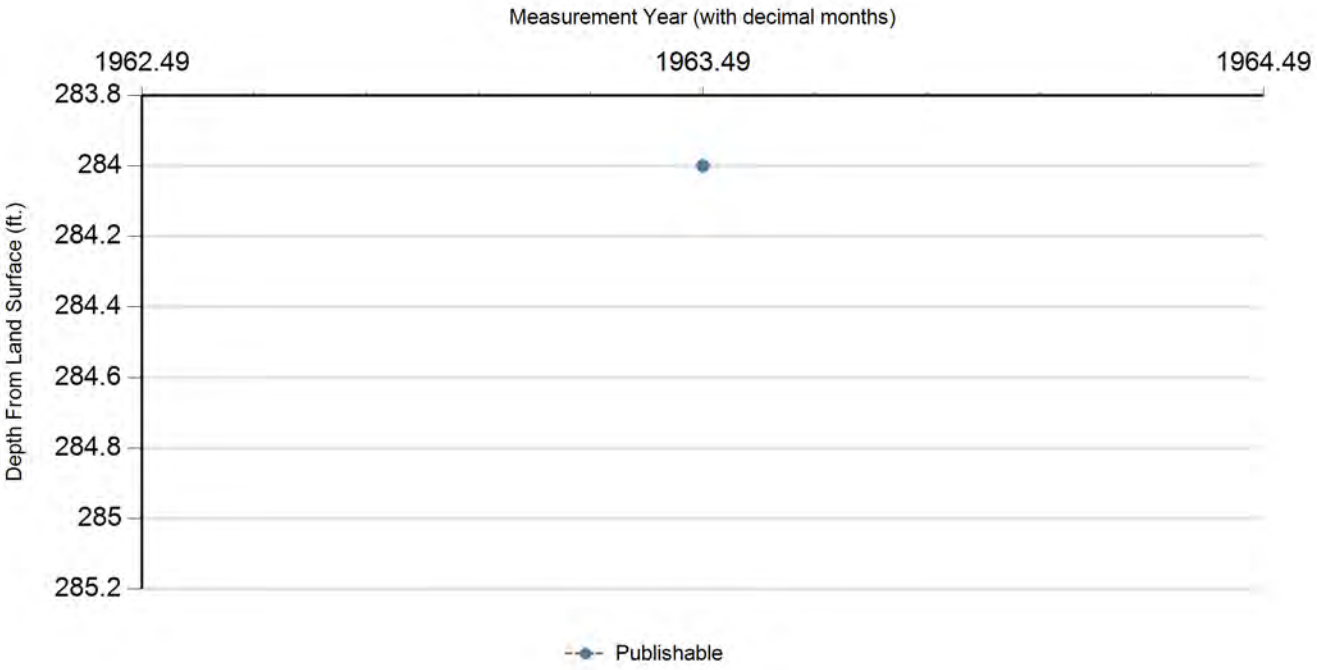
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1963		284		-232	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6514764 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294612 **Longitude** 952225 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Willborg's Laundry

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1932 **Depth** 958 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1932
-70

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Screen from 903 to 936 ft. Reported yield 110 gpm with 80 ft drawdown when drilled. Well destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-764

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514764
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.77
Latitude (degrees minutes seconds)	29° 46' 12" N
Longitude (decimal degrees)	-95.373611
Longitude (degrees minutes seconds)	095° 22' 25" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	958
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1932
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Willborg's Laundry
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Screen from 903 to 936 ft. Reported yield 110 gpm with 80 ft drawdown when drilled. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

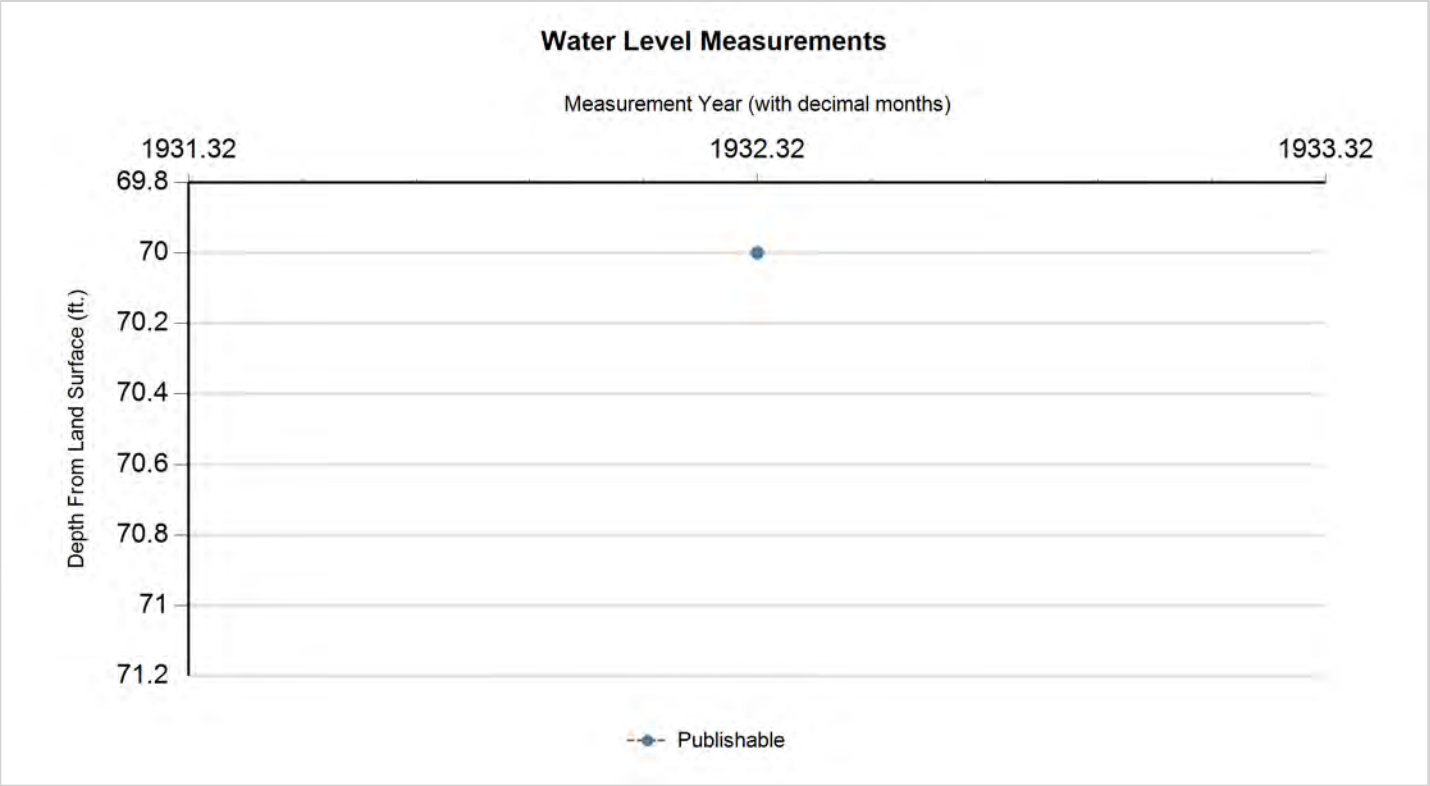
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/26/1932		70		-19	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 4/26/1932 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		90	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	

Water Quality Analysis

Sample Date: 1/31/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		81	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		194.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		237	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		81	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		74	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		251	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200.82	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		245	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		1.8	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		78	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		265	mg/L	

Water Quality Analysis

Sample Date: 2/18/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		75	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		260	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00910	CALCIUM (MG/L)		23	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.3		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.47		
00932	SODIUM, CALCULATED, PERCENT		65	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		74	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		260	mg/L	

Water Quality Analysis

Sample Date: 1/11/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		230.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		281	mg/L	
00910	CALCIUM (MG/L)		21	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		96	mg/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.73		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.64		
00932	SODIUM, CALCULATED, PERCENT		65	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		81	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		280	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-764

Water Quality Analysis

Sample Date: 3/24/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		176.23	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		215	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514765 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294545 **Longitude** 952206 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
Ineeda Laundry

Driller
Taylor and Roberts

Address _____ **Tenant/Oper.** _____

Date Drilled / /1910 **Depth** 975 **Source of Depth** **Altitude** 50 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
Well destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-765

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514765
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.762501
Latitude (degrees minutes seconds)	29° 45' 45" N
Longitude (decimal degrees)	-95.368333
Longitude (degrees minutes seconds)	095° 22' 06" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	975
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1910
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Ineeda Laundry
Driller	Taylor and Roberts
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/8/1999
Last Update Date	6/8/1999

Remarks	Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	

Water Quality Analysis

Sample Date: 3/23/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		139.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		170	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		74	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		430	MICR	

Water Quality Analysis

Sample Date: 3/6/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		122	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		454	MICR	

Water Quality Analysis

Sample Date: 3/16/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		167.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		204	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		116	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		461	MICR	

Water Quality Analysis

Sample Date: 1/31/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		187.65	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		229	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		125	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	

Water Quality Analysis

Sample Date: 1/29/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		211	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		106	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		455	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		163.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		200	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		77	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		445	MICR	

Water Quality Analysis

Sample Date: 3/8/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		458	MICR	

Water Quality Analysis

Sample Date: 2/9/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		178.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		218	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		463	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-765

Water Quality Analysis

Sample Date: 2/27/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		469	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6514767 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294557 **Longitude** 952101 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Builders Supply

Driller
Raymond Water Wells

Address _____ **Tenant/Oper.** _____

Date Drilled / /1981 **Depth** 520 **Source of Depth** D **Altitude** 25 **Source of Alt.** M

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** D **Other Data -**

WATER LEVELS 1 measurement
1981
-260

Recorded By _____ **Date Record Collected or Updated -** 12/ /1988

Reporting Agency 02

REMARKS -
Reported yield 200 gpm with 40 ft drawdown.

Aquifer - 112CHCT **ID -** 15

CHICOT
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-767

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514767
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.765834
Latitude (degrees minutes seconds)	29° 45' 57" N
Longitude (decimal degrees)	-95.350278
Longitude (degrees minutes seconds)	095° 21' 01" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	25
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	520
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1981
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Builders Supply
Driller	Raymond Water Wells
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	6/2/1999
Last Update Date	6/2/1999

Remarks	Reported yield 200 gpm with 40 ft drawdown.

Casing - No Data

Well Tests - No Data

Lithology - No Data

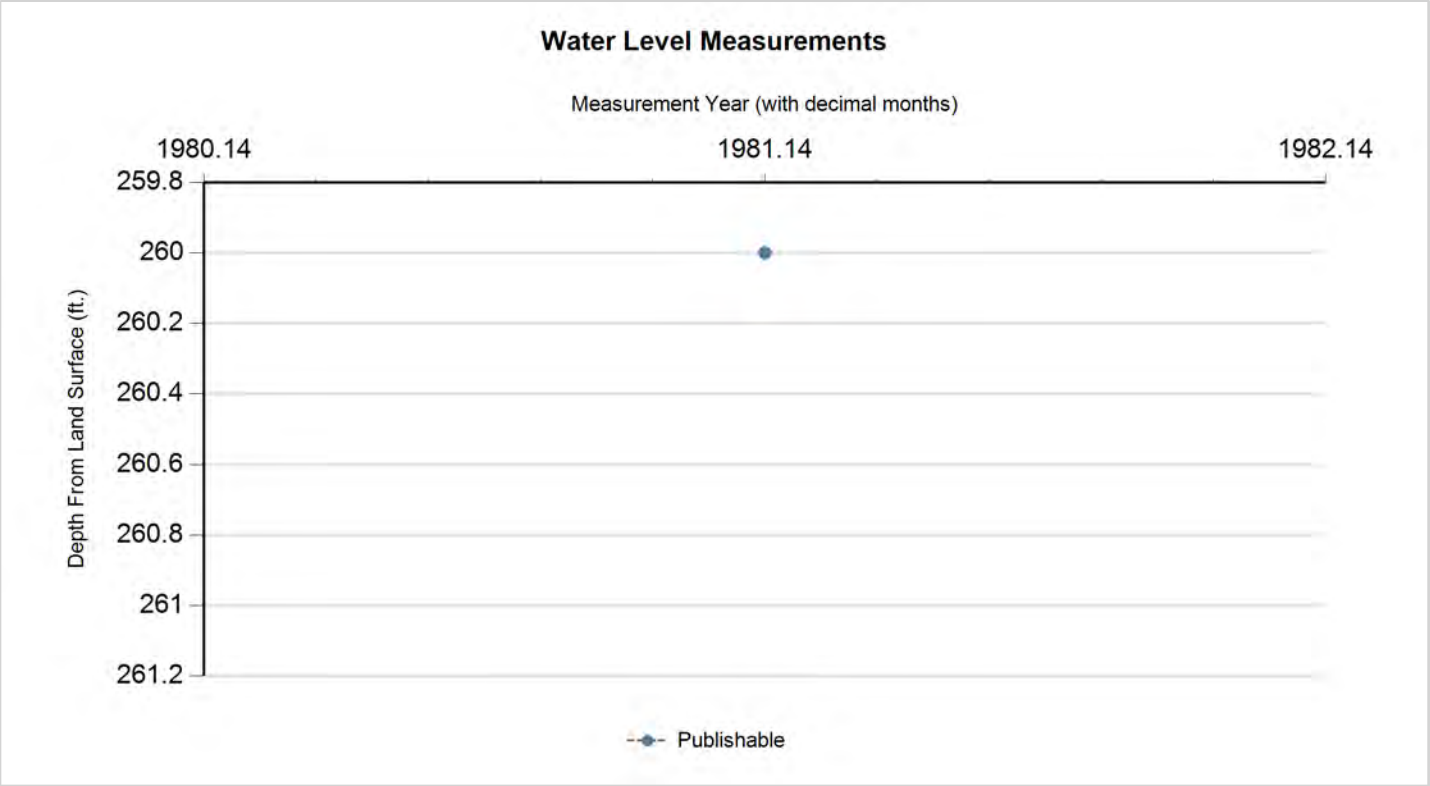
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/20/1981		260		-235	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-768

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514768
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.781111
Latitude (degrees minutes seconds)	29° 46' 52" N
Longitude (decimal degrees)	-95.374167
Longitude (degrees minutes seconds)	095° 22' 27" W
Coordinate Source	+/- 1 Second
Aquifer Code	112BMNT - Beaumont Clay
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	10
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	
Well Depth Source	
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Spring
Well Use	
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Beauchamps Springs
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	11/6/2003
Last Update Date	4/14/2015

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board

Well Schedule

State Well Number 6514803 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294549 **Longitude** 951852 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
The Bama Co.

Driller
McMasters & Pomeroy

Address _____ **Tenant/Oper.** _____

Date Drilled / /1950 **Depth** 550 **Source of Depth** **Altitude** 44 **Source of Alt.**

Well Type W **User**

WEL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1960
-154

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-803

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514803
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763612
Latitude (degrees minutes seconds)	29° 45' 49" N
Longitude (decimal degrees)	-95.314445
Longitude (degrees minutes seconds)	095° 18' 52" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	44
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	550
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1950
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	The Bama Co.
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

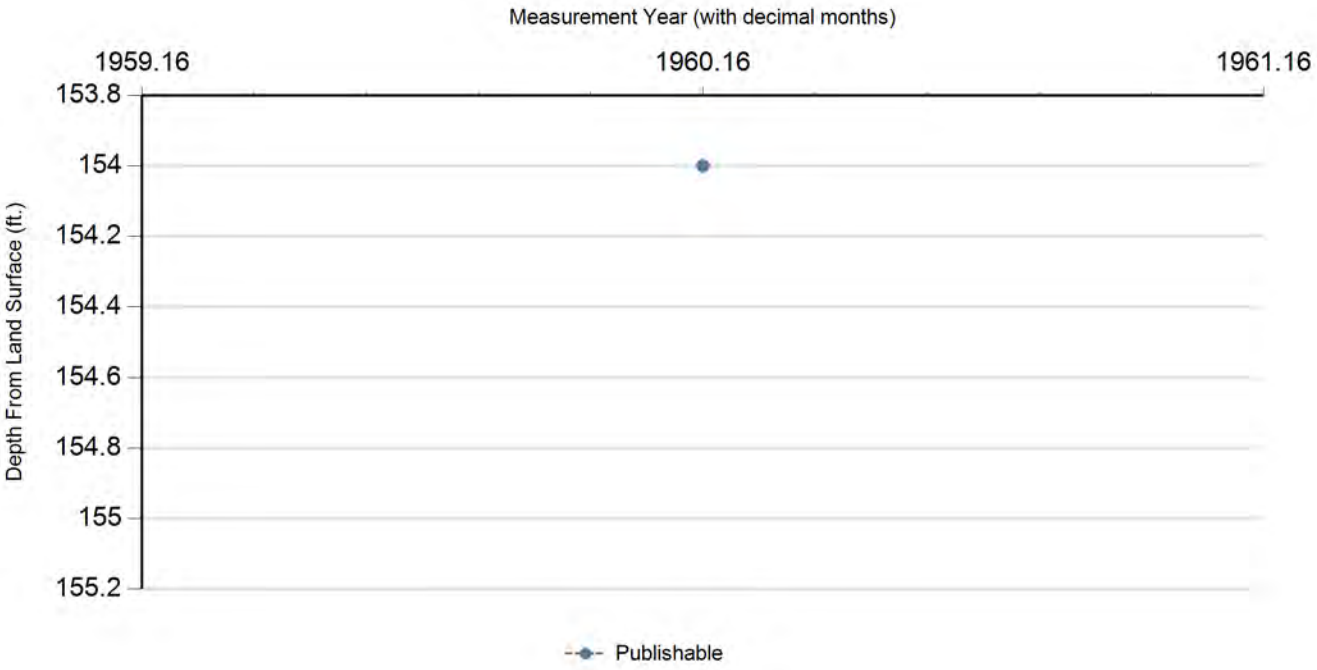
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1960		154		-110	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 805 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 45 05 Longitude - 95 19 20 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Weingarten's Bakery Driller - Layne Texas Co.

Address _____ Tenant/Oper. _____
Date Drilled - / /1957 Depth - 905 ft. Source of Depth - Altitude - 42 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages _____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 03/01/1957 Measurement- -252.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 09/30/2002

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB R178: 80 ft. of screen
between 825 and 905 ft.

Aquifer - 121EVGL
Well No. - 65 14 805

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-805

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514805
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.751389
Latitude (degrees minutes seconds)	29° 45' 05" N
Longitude (decimal degrees)	-95.322222
Longitude (degrees minutes seconds)	095° 19' 20" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	905
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1957
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Weingarten's Bakery
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 80 ft. of screen between 825 and 905 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

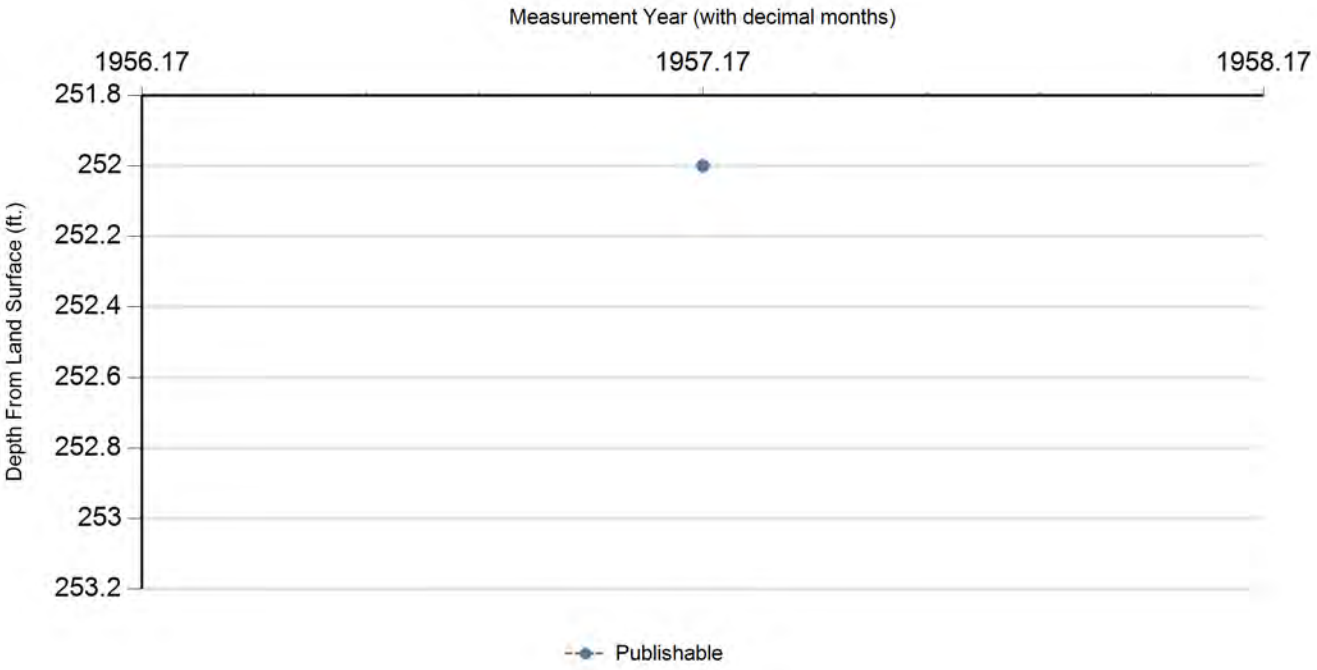
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/1/1957		252		-210	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 14 809 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 46 15 Longitude - 95 18 45 Source of Coords - 5

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Southern Pacific Railroad

Driller - J.W. Jackson

Address _____ Tenant/Oper. _____
Date Drilled - / /1925 Depth - 947 ft. Source of Depth - Altitude - 50 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 05/00/1925 Measurement- -30.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
82 ft of screen between 739 and 947
ft. Well destoryed.

Aquifer - 121EVGL
Well No. - 65 14 809

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-809

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514809
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.786667
Latitude (degrees minutes seconds)	29° 47' 12" N
Longitude (decimal degrees)	-95.319444
Longitude (degrees minutes seconds)	095° 19' 10" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	947
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1925
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Southern Pacific Railroad
Driller	J.W. Jackson
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/13/1999
Last Update Date	5/13/1999

Remarks	82 ft of screen between 739 and 947 ft. Well destoryed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

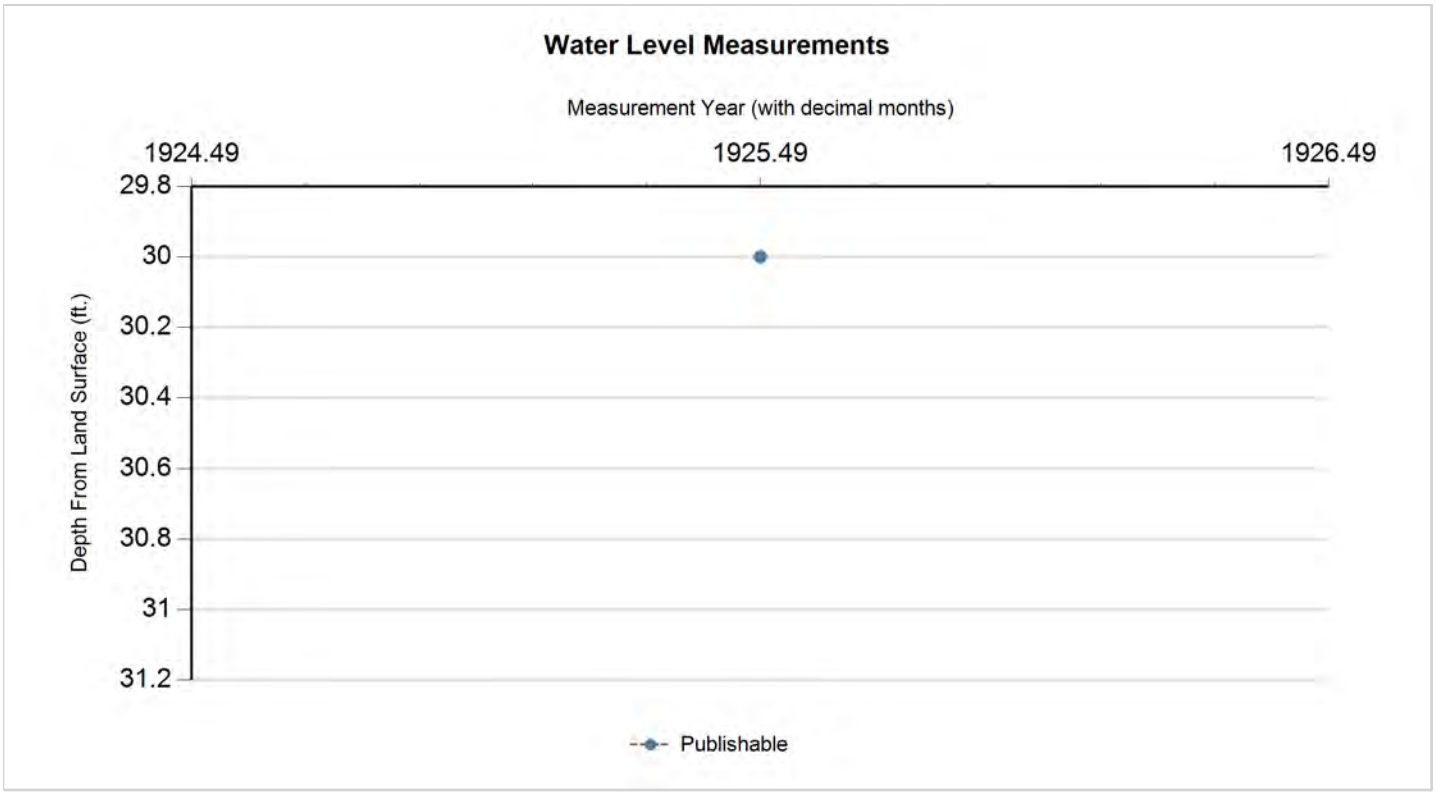
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1925		30		20	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/21/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	

Water Quality Analysis

Sample Date: 2/6/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		102	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		67	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		261	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		228	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		102	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		61	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		253	mg/L	

Water Quality Analysis

Sample Date: 5/24/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		183.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		224	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		81	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		73	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		255	mg/L	

Water Quality Analysis

Sample Date: 2/20/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		191.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		234	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		105	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		64	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		258	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		228	mg/L	
00910	CALCIUM (MG/L)		25	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		90	mg/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.91		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.23		
00932	SODIUM, CALCULATED, PERCENT		62	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		71	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		260	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-809

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		190.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		233	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-810

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514810
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.758056
Latitude (degrees minutes seconds)	29° 45' 29" N
Longitude (decimal degrees)	-95.310556
Longitude (degrees minutes seconds)	095° 18' 38" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	36
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	658
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1971
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Texas Industrial Plating
Driller	B. J. Swinehart Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 46 ft. of screen between 534 and 642 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

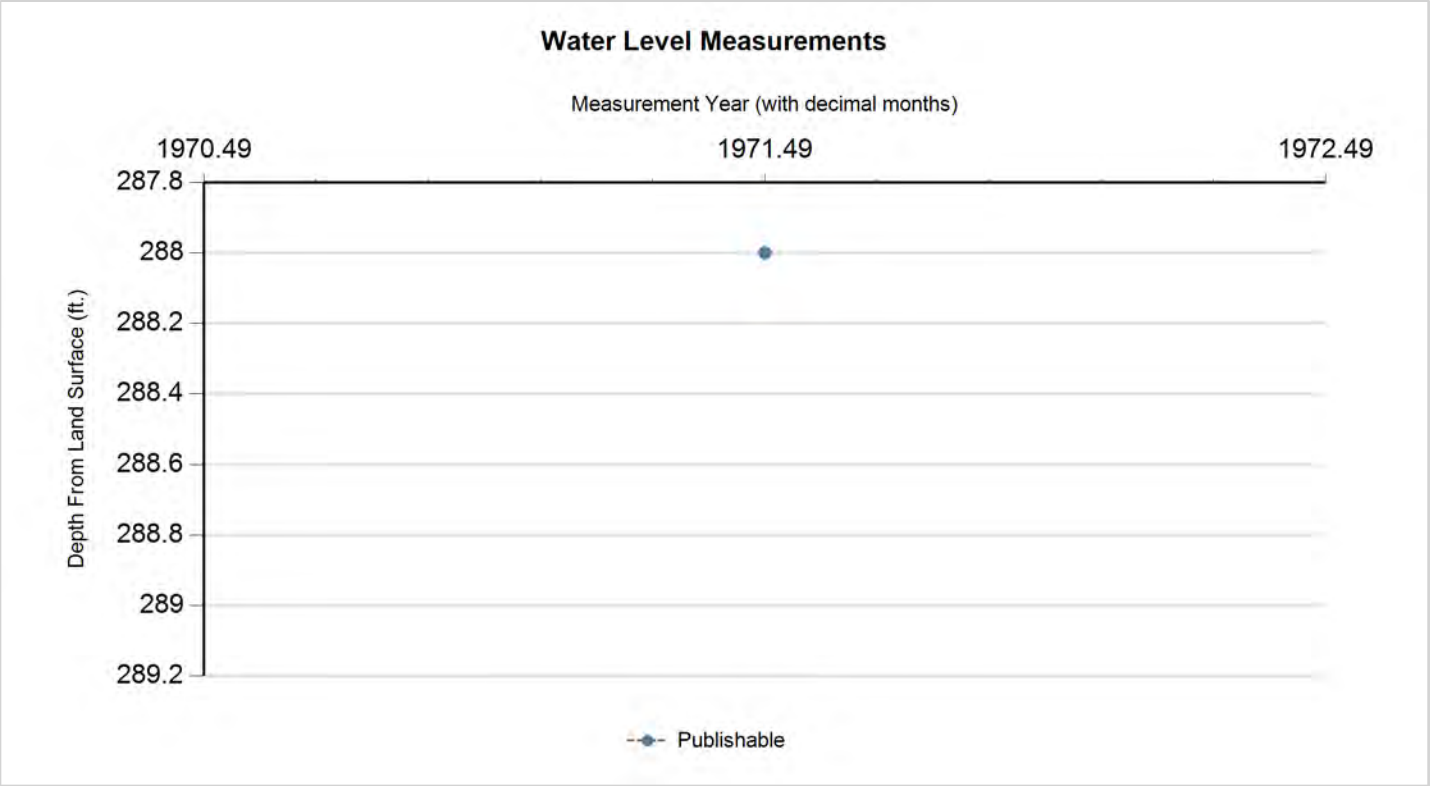
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1971		288		-252	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514316 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294547 **Longitude** 951849 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Standard Asbestos Co.

Driller
A. E. Fawcett Sr.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1938 **Depth** 325 **Source of Depth** **Altitude** 41 **Source of Alt.**

Well Type W **User**

WEL CONSTRUCTION

Const-Method

Completion

Casing Material

Screen Material

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____to_____

LIFT DATA - Pump Mfr. - _____ **Type -** CENTRIFUGAL PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1938
-78

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178: Screen from 310 to 325 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-816

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514816
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763056
Latitude (degrees minutes seconds)	29° 45' 47" N
Longitude (decimal degrees)	-95.313612
Longitude (degrees minutes seconds)	095° 18' 49" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	41
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	325
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Centrifugal Pump
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Standard Asbestos Co.
Driller	A. E. Fawcett Sr.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 310 to 325 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

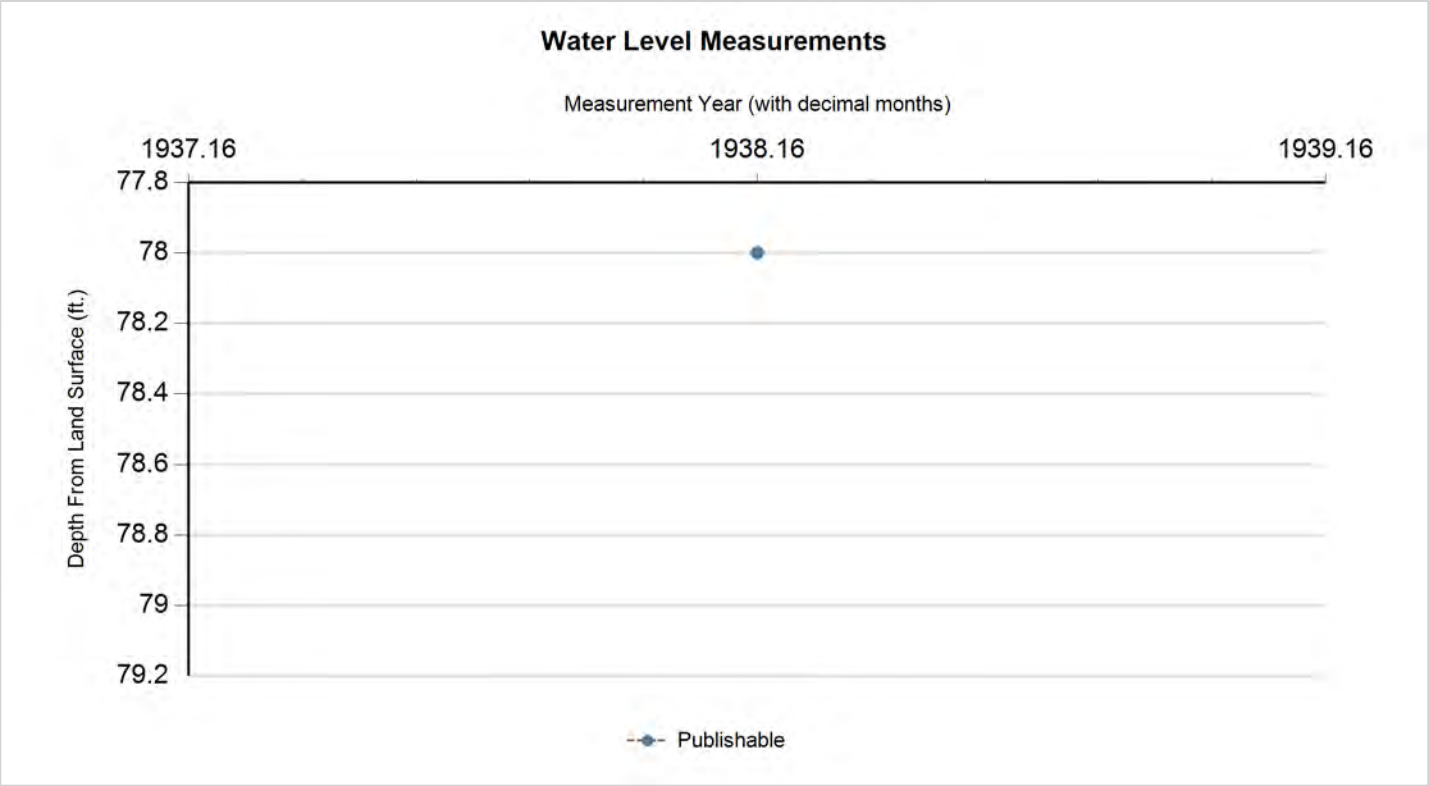
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1938		78		-37	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6514817 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294549 **Longitude** 951852 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
The Bama Co.

Driller
Pomeroy Drilling Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1958 **Depth** 590 **Source of Depth** **Altitude** 45 **Source of Alt.**

Well Type W **User**

WEL CONSTRUCTION
Const-Method
Completion
Casing Material
Screen Material
Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1958
-160

Recorded By _____ **Date Record Collected or Updated -** 09/30/2002

Reporting Agency 01

REMARKS -
TWDB R178

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-817

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514817
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.763612
Latitude (degrees minutes seconds)	29° 45' 49" N
Longitude (decimal degrees)	-95.314445
Longitude (degrees minutes seconds)	095° 18' 52" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	590
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1958
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	The Bama Co.
Driller	Pomeroy Drilling Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178

Casing - No Data

Well Tests - No Data

Lithology - No Data

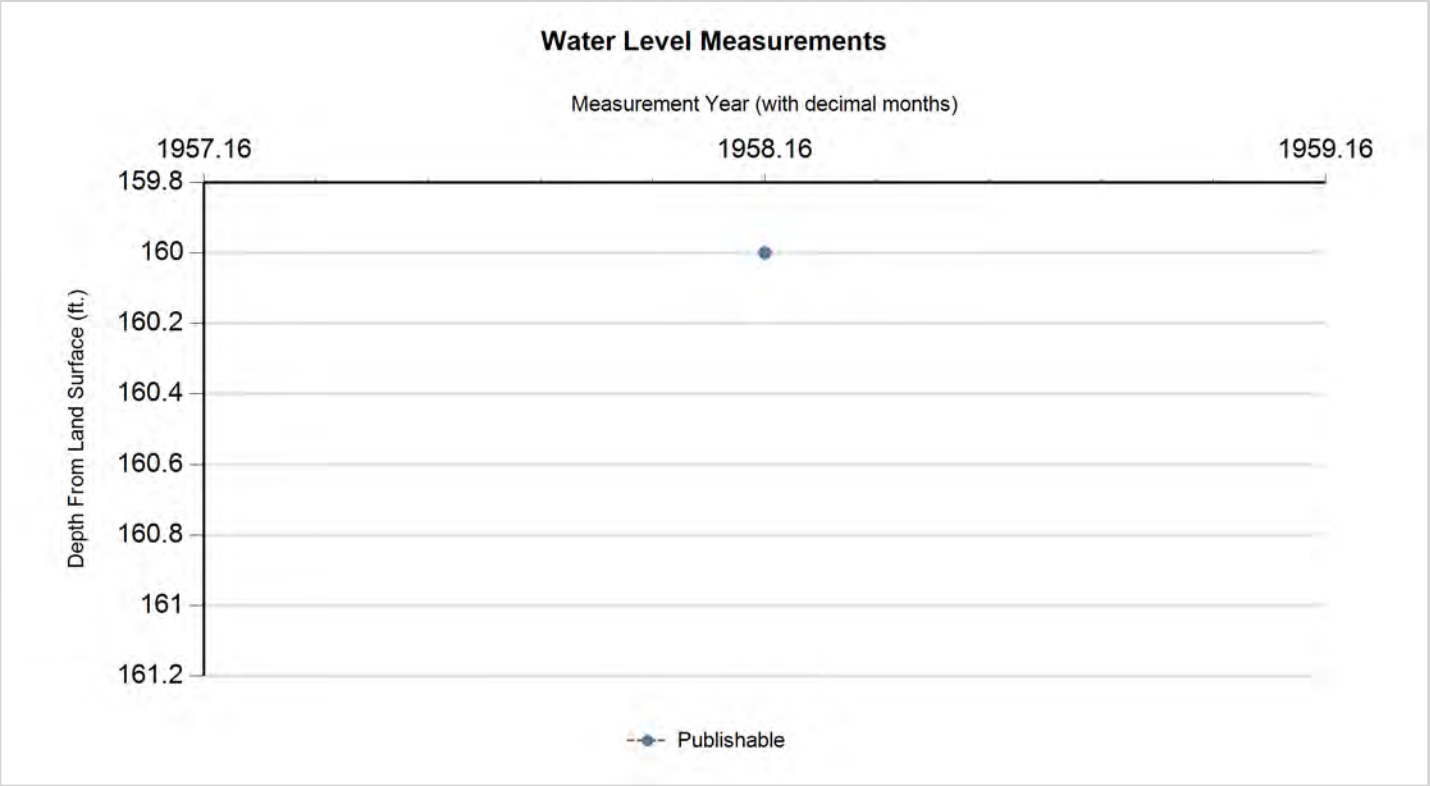
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1958		160		-115	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-818

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514818
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.752501
Latitude (degrees minutes seconds)	29° 45' 09" N
Longitude (decimal degrees)	-95.309167
Longitude (degrees minutes seconds)	095° 18' 33" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	35
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	800
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1962
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Gulf Coast Cement Co. Well #1
Driller	Texas Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: 75 ft. of screen between 605 and 794 ft. Yield: 354 gpm with 113 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

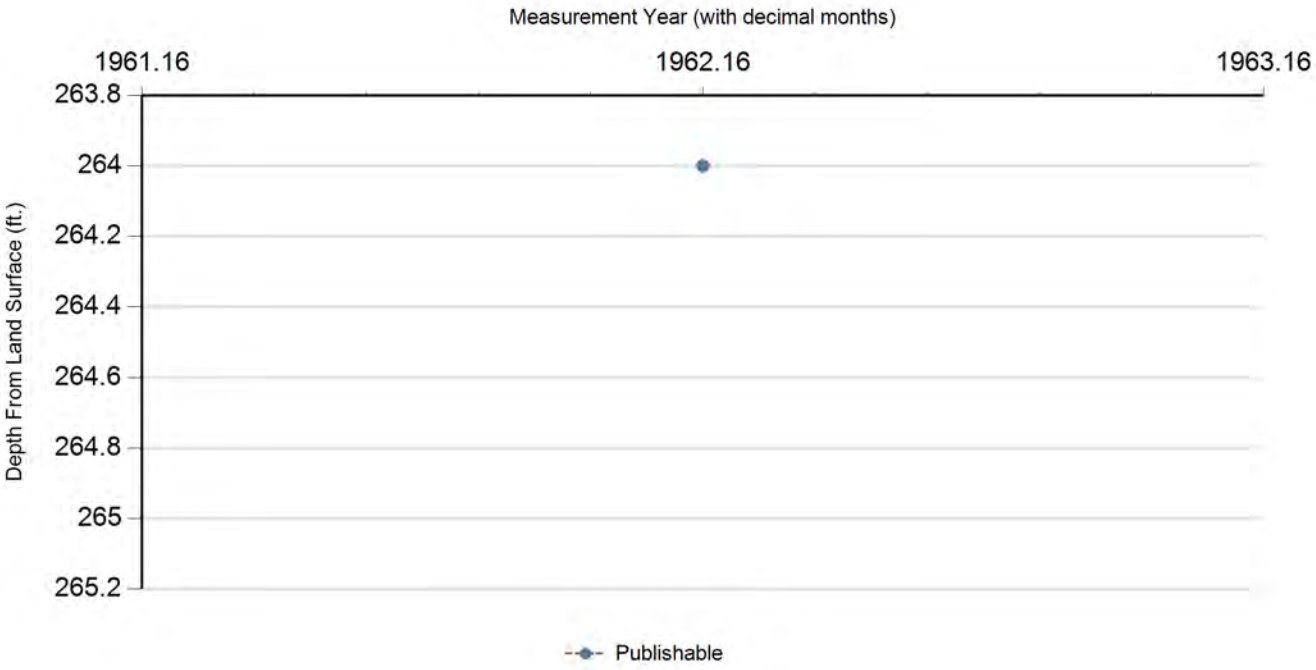
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-818

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/0/1962		264		-229	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-821

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514821
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.753056
Latitude (degrees minutes seconds)	29° 45' 11" N
Longitude (decimal degrees)	-95.311389
Longitude (degrees minutes seconds)	095° 18' 41" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	37
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	253
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1965
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Houston Barge Co.
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	9/30/2002
Last Update Date	9/30/2002

Remarks	TWDB R178: Screen from 234 to 247 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

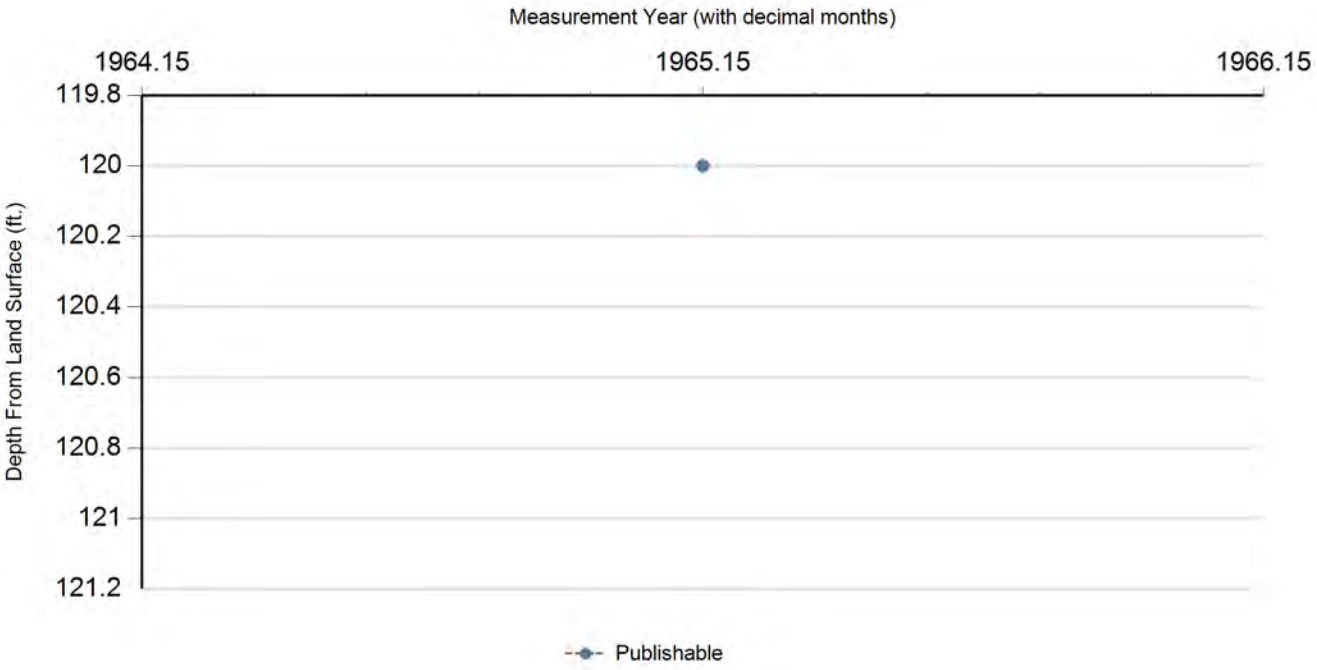
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-821

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/26/1965		120		-83	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-14-823

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6514823
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.769444
Latitude (degrees minutes seconds)	29° 46' 10" N
Longitude (decimal degrees)	-95.329722
Longitude (degrees minutes seconds)	095° 19' 47" W
Coordinate Source	+/- 1 Second
Aquifer Code	112GLFC - Gulf Coast Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	0
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	506
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1987
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	National Vinegar Co.
Driller	Raymond
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	4/9/1990
Last Update Date	6/5/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 106 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 35 Longitude - 95 27 33 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Southwest #12

Driller - Texas Water Wells

Address _____ Tenant/Oper. _____
Date Drilled - 07/15/1960 Depth - 2,015 ft. Source of Depth - D Altitude - 65 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 350

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- H Quality- Y Logs- Other Data-

WATER LEVELS
Date- 07/15/1960 Measurement- -242.80
Date- 01/15/1991 Measurement- -335.90

Recorded By _____ Date Record Collected or Updated- 02/04/1999

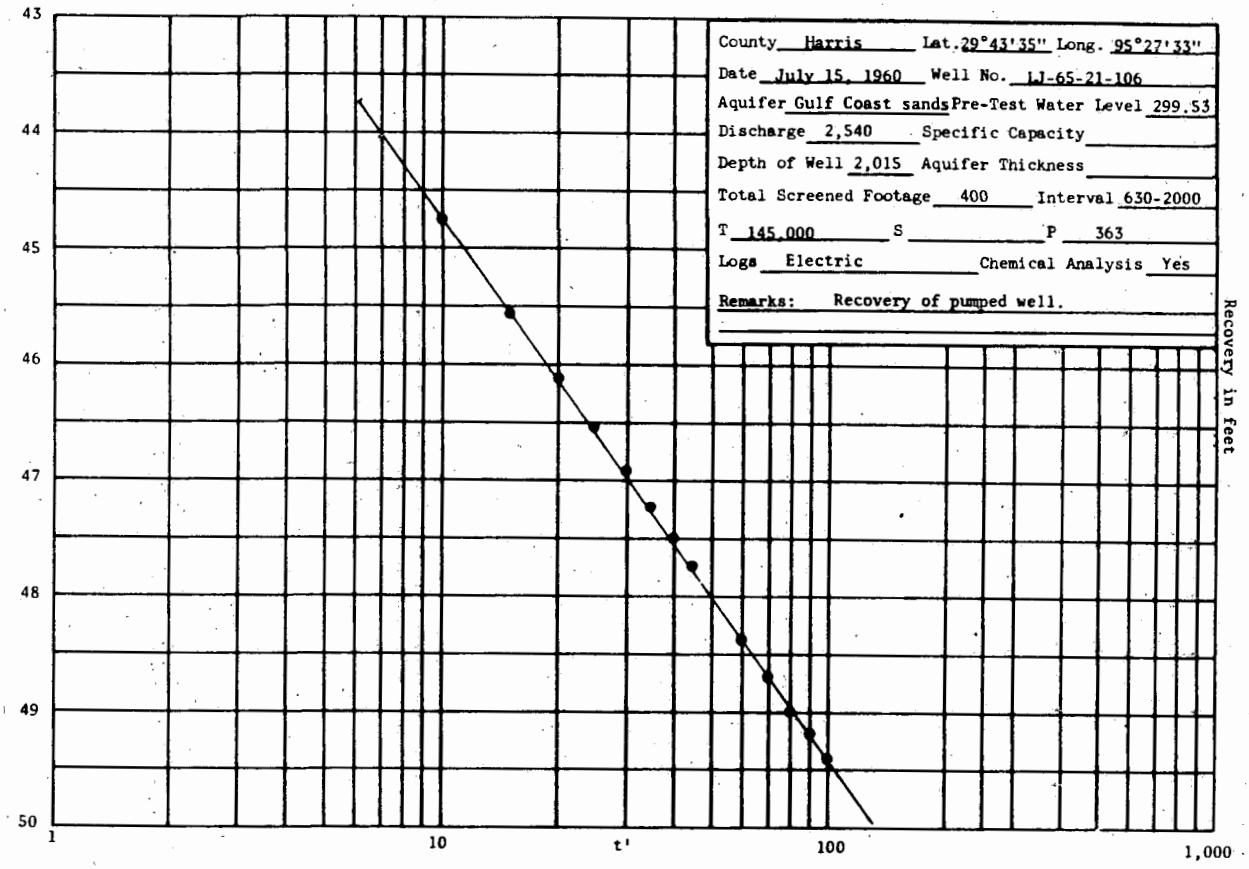
| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To

1|
2|
3|
4|
5|
6|
7|
8|
9|
10|
11|
12|
13|
14|
15|
16|
17|
18|
19|

Reporting Agency -
REMARKS -
400 ft of screen between 630 and
2000 ft. Measured yield 2539 gpm
with 45 ft drawdown when drilled.
Well 12.

Aquifer - 121EVGL
Well No. - 65 21 106


County Harris Lat. 29°43'35" Long. 95°27'33"
Date July 15, 1960 Well No. LJ-65-21-106
Aquifer Gulf Coast sands Pre-Test Water Level 299.53
Discharge 2,540 Specific Capacity
Depth of Well 2,015 Aquifer Thickness
Total Screened Footage 400 Interval 630-2000
T 145,000 S P 363
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
43
44
45
46
47
48
49
50
1
10
t'
100
1,000
Recovery in feet

OWNER: City of Houston
Southwest #12

SWN: 6521106

COUNTY: Harris

DATE: 7 / 15 / 1960

AQUIFER: EVANGELINE AQUIFER

Asterisk (*) next to value indicates that the constituent exceeds TCEQ standards (MCL) for drinking water.

	MG/L		MG/L		MG/L
Silica	18	**Carbonate**	0	**Dissolved Solids**	358
Calcium	18	**Bicarbonate**	296	**Hardness as CaCO3**	66
Magnesium	5	**Sulfate**	9	**SAR**	6.18
Sodium	115	**Chloride**	46	**Conductivity**	586
Potassium	1.2	**Fluoride**	0.7	**pH**	
Strontium		**Nitrate as NO_3**		**Temperature**	°C

DESCRIPTION	FLAG	VALUE	+/-
BORON, DISSOLVED (UG/L AS B)		200.	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-106

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521106
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7258333
Latitude (degrees minutes seconds)	29° 43' 33" N
Longitude (decimal degrees)	-95.4588861
Longitude (degrees minutes seconds)	095° 27' 31.99" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	65
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2015
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	7/15/1960
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Texas Water Wells
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294335095273301
Texas Commission on Environmental Quality Source Id	G1010013BL
Groundwater Conservation District Well Number	
Owner Well Number	Southwest #12
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	7/15/2010
Last Update Date	6/12/2018

Remarks	Screened 400 feet between 630 and 2000 feet. Aquifer test results in TWDB R-98. No test data in TWDB files. Well depth reported by USGS. No drillers log on file.

Casing - No Data

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
0/0/1960	Unknown	2540		

Lithology - No Data

Annular Seal Range - No Data

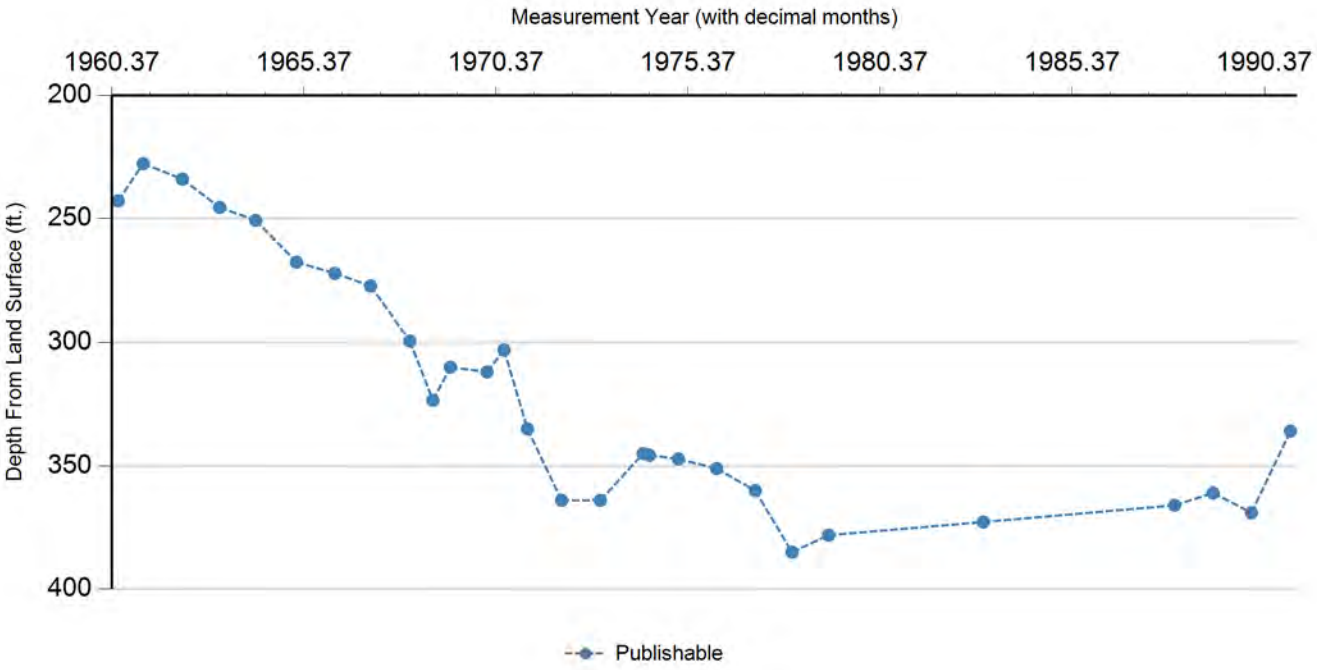
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/15/1960		242.8		-177.8	1	Registered Water Well Driller	Unknown		
P	3/8/1961		227.71	(15.09)	-162.71	1	U.S. Geological Survey	Steel Tape		
P	3/14/1962		233.95	6.24	-168.95	1	U.S. Geological Survey	Steel Tape		
P	3/4/1963		245.47	11.52	-180.47	1	U.S. Geological Survey	Steel Tape		
P	2/11/1964		250.69	5.22	-185.69	1	U.S. Geological Survey	Steel Tape		
P	3/3/1965		267.65	16.96	-202.65	1	U.S. Geological Survey	Steel Tape		
P	3/3/1966		272.2	4.55	-207.2	1	U.S. Geological Survey	Steel Tape		
P	2/7/1967		277.3	5.10	-212.3	1	U.S. Geological Survey	Electric Line		
P	2/16/1968		299.4	22.10	-234.4	1	U.S. Geological Survey	Electric Line		
P	9/25/1968		323.43	24.03	-258.43	1	U.S. Geological Survey	Electric Line		
P	3/6/1969		310	(13.43)	-245	1	U.S. Geological Survey	Electric Line		
P	2/19/1970		311.92	1.92	-246.92	1	U.S. Geological Survey	Steel Tape		
P	8/1/1970		303	(8.92)	-238	1	Registered Water Well Driller	Air Line		
P	3/8/1971		335	32.00	-270	1	U.S. Geological Survey	Air Line		
P	1/27/1972		364	29.00	-299	1	U.S. Geological Survey	Air Line		
P	1/31/1973		364	0.00	-299	1	U.S. Geological Survey	Air Line		
P	3/11/1974		345	(19.00)	-280	1	U.S. Geological Survey	Air Line		
P	5/11/1974		345.7	0.70	-280.7	1	U.S. Geological Survey	Steel Tape		
P	2/12/1975		347.2	1.50	-282.2	1	U.S. Geological Survey	Electric Line		
P	2/9/1976		351.1	3.90	-286.1	1	U.S. Geological Survey	Electric Line		
P	2/11/1977		360	8.90	-295	1	U.S. Geological Survey	Electric Line		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-106

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/26/1978		385	25.00	-320	1	U.S. Geological Survey	Air Line		
P	1/8/1979		378.11	(6.89)	-313.11	1	U.S. Geological Survey	Steel Tape		
P	1/18/1983		372.77	(5.34)	-307.77	1	U.S. Geological Survey	Unknown		
P	1/11/1988		366	(6.77)	-301	1	U.S. Geological Survey	Air Line		
P	1/11/1989		361	(5.00)	-296	1	U.S. Geological Survey	Air Line		
P	1/10/1990		369	8.00	-304	1	U.S. Geological Survey	Air Line		
P	1/15/1991		335.9	(33.10)	-270.9	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 7/15/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		242.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		296	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		200	ug/L	
00910	CALCIUM (MG/L)		18	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.7	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		66	mg/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.54		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.18		
00932	SODIUM, CALCULATED, PERCENT		78	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		115	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		586	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		358	mg/L	

Water Quality Analysis

Sample Date: 7/17/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		235.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		287	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		574	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 7/30/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		69	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		577	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/19/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.31	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		270	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		101	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		558	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/17/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		286	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		74	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		563	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/11/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		591	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/15/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		234.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		286	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		274	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/25/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		82	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		576	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/23/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		591	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/25/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		94	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		572	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 4/15/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		271	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		581	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/9/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		225.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		275	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		580	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/22/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		530	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/14/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		526	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		535	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/20/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		620	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-106

Water Quality Analysis

Sample Date: 5/13/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		559	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-140

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521140
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.726111
Latitude (degrees minutes seconds)	29° 43' 34" N
Longitude (decimal degrees)	-95.462223
Longitude (degrees minutes seconds)	095° 27' 44" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	470
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Test Hole
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Core Drilling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	1-A
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	Test well. Well destroyed. Well TW-1A.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 4/4/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		267	mg/L	
00910	CALCIUM (MG/L)		23	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		1000	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.98		
00955	SILICA, DISSOLVED (MG/L AS SI02)		12	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.25		
00932	SODIUM, CALCULATED, PERCENT		78	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		120	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		36	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		379	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-21-201

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) R.R.G. (7-2-65)

Record by W.L.N. (10-13-61) Source of data FILES Date 2-21-68 Map Bellaire 1955 1:24000

State Texas [42] County (or town) Harris [LJ]

Latitude: 29 43 38 N deg min sec Longitude: 095 27 04 W degrees min sec Sequential number: 1

Lat-long accuracy: 1 T. N S. R E W. Sec , , ,

Local well number: LJ-65-21-201 Other number: So. West B & M #9

Local use: Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address:

Ownership: (C) County, (F) Fed Gov't, (G) City, (H) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Dasal-P S, (Y) Dasal-other, (Z) Other — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (D) Destroyed — W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1953 Annual A Field aquifer char.

Hyd. lab. data:

Qual. water data: type:

Freq. sampling: 9-19-53 F Pumpage inventory: yes no period:

Aperture cards: yes

Log data: E-Log AA-10 TD 1507' E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1052 ft 1051 Meas. rept. Driller accuracy 3

Depth cased: (first perf.) 554 ft 554 Casing type: S ; Diam. 24-12 3/4 in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (E) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (E) other — H

Date Drilled: 7-4-53 53 Pump intake setting: ft

Driller: LAYNE-TEXAS Co. name, HOUSTON, TEXAS address

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, submerg, (T) turb, (E) other — T Deep Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, gas, wind, LP; H.P. 300 X Irrig. or water no.

Descrip. MP MEASURING PIPE ? ft above below LSD Alt. MP 63'

Alt. LSD: 63' 63 Accuracy: (source) Topo 5' 3

Water Level 190.20 ft above below MP; Ft above below LSD 130 Accuracy: Mogs A

Date meas: 9-19-53 53 Yield: 2232? gpm 2232 Method determined 4

P.L. 258.01

Drawdown: 68 ft 68 Accuracy: Mogs 0 Pumping period 96 hrs 96

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-21-201

491-2/1125
Southwest #9

4410 West Park Drive
Water Quality Sampling Run

SWN: 65-21-201

County: Harris

Aquifer(s):

Sample No. 658

Date: 6/11/90 16:00

By: D.E. Jones

	Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6	Bottle 7	Total
	1 liter Anions	1 liter Cations/HM	1 gallon Radioactivity	500 ml Nitrate/ Phosphate	2 Qt.(glass) (TOC) Organics	500 ml Cyanide		Sub-Samples
		2ml	5ml	1 ml	unfiltered PMS			All filtered unless otherwise stipulated. All on ice.
Preserve with:	--	HNO_3 (Nitric)	HNO_3 (Nitric)	H_2SO_4 (Sulfuric)	--	NaOH (Sodium Hydroxide)	KEY PUNCHED	

Water Level _____ LSD

Temperature (00010) 25.0 °C

Specific Conductance (00094) 507 µmhos/cm

pH (00400) 7.37 @ 25.0 °C

Eh (00090) 114.8 mv @ 25.0 °C

Phenol ALK (82244) 0 mg/l

Total ALK (00431) 192 mg/l

Carbonate (00452) 0 meq/l 0 mg/l

Bicarbonate (00453) _____ meq/l 234 mg/l

Total Cations (+) _____

Total Anions (-) _____

Total Hardness (46570) 164

Dissolved Solids (70301) 307 calc. (339 meter)

Notes & Calculations

9.6 ml acid to 50 ml sample: pH 4.49

1870

890091-B

Well No. LJ-65-21-201

Latitude-longitude 29 d 43 m 38 s @ 095 d 17 m 04 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [51R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (S) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [EG] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 283 ft [283] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [Q] (44–45) _____ aquifer, formation, group [CL] (46–47) ✓

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: 554-574, 580-590, 600-671, 741-791, 811-881, 910-931, 980-1011

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: _____ gpd/ft²; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

SCREENS:
1021-1031

CSG
0-513 = 24"
426-1051 = 12¾"

ONE HOUR RECOVERY TEST
9-26-68

GPM = 1684
PL = 331.9
SL = 279.5
T = 103,100

331.9
279.5
52.4

SP. CAP. = 32
PUMPED 96 HRS.

Well No. LJ-65-21-201

GPO 857-700

491-2/1125
Southwest #9

4410 West Park Drive

Water Quality Sampling Run

SWN: 65-21-201

County: Harris

Aquifer(s): _____

Sample No. 658

Date: 6/11/90 16:00

By: D.E. Jones

	Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6	Bottle 7	Total
	1 liter Anions	1 liter Cations/HM	1 gallon Radioactivity	500 ml Nitrate/ Phosphate	2 Qt.(glass) (TOC) Organics	500 ml Cyanide		Sub-Samples
		2ml ↓	5ml ↓	1 ml ↓	unfiltered AS			All filtered unless otherwise stipulated. All on ice.
Preserve with:	--	HNO_3 (Nitric)	HNO_3 (Nitric)	H_2SO_4 (Sulfuric)	--	NaOH (Sodium Hydroxide) KEY PUNCHED		

Water Level _____ LSD

Temperature (00010) 25.0 °C

Specific Conductance (00094) 507 µmhos/cm

pH (00400) 7.37 @ 25.0 °C

Eh (00090) 114.8 mv @ 25.0 °C

Phenol ALK (82244) 0 mg/l

Total ALK (00431) 192 mg/l

Carbonate (00452) 0 meq/l 0 mg/l

Bicarbonate (00453) _____ meq/l 234 mg/l

Total Cations (+) _____

Total Anions (-) _____

Total Hardness (46570) 164

Dissolved Solids (70301) 307 calc. (339 meter)

Notes & Calculations

9.6 ml acid to 50 ml sample: pH 4.49

1872

890091-B

Texas Water Development Board

Chemical Water Analysis Report

HM- DRJ-194-658

HM = Heavy Trace and Alkaline-Earth Metals

TWDB Use Only

Work No. 328-3202

IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Southwest #9

Attention: P. Nordstrom

County: Harris

Owner: City of Houston

Address: PO Box 1560 Houston, 77251

Date Drilled: _____ Depth: _____

Collection Point: FAW pH 7.37

By: D.R. Jones

State Well Number: 65 21 201

Date & Time: 6/11/90 16:00

X Send Copy To Owner c/o Tony Baker

Sampled After Pumping: PSA Hours

Yield: _____ GPM ☐ Measured ☐ Estimated

Use: PS Temperature: 25.0 °C

Specific Conductance: 507

Requested Chem [redacted]

Laboratory No.: [redacted] Date Received: JUN 15 1990 Date Reported: JUL 18 1990

KEY PUNCHED

		me/l	mg/l			me/l	mg/l
Calcium	(00915)		46	Sodium	(00930)		48
Magnesium	(00925)		12	Potassium	(00935)		2.9

		µg/l				µg/l	
Aluminum	(01106)	<50		Manganese	(01056)	<20	
Arsenic	(01000)	<10		Mercury	(71890)	<0.2	
Barium	(01005)	216	✓	Molybdenum*	(01062)	<20	
Cadmium	(01025)	<10		Selenium	(01145)	6	
Chromium	(01030)	<20		Silver	(01075)	<10	
Copper	(01040)	<20	✓	Strontium*	(01080)	780	
Iron	(01046)	<20	✓	Vanadium*	(01085)	<20	
Lead	(01049)	<50		Zinc	(01090)	<20	

* Do not analyze unless it is checked.
Note: Crossout those elements not to be analyzed.

890091-E

Texas Water Development Board

Chemical Water Analysis Report

RAD DRT 1990. 658
RAD = Radioactivity Sample

TWDB Use Only
Work No. 320-3202
IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Southwest #7

Attention: P. Nordstrom
County: Harris
Owner: City of Houston
Address: PO Box 1562 Houston, 77251
Date Drilled: _____ Depth: _____
Collection Point: FAW pH 7.37
By: D.A. Jones

State Well Number: 6521 201
Date & Time: 6/18/90 16:00
X Send Copy To Owner % Tony Baker
Sampled After Pumping: Pmp Hours
Yield: _____ GPM ☐ Measured ☐ Estimated
Use: PS Temperature: 25.0 °C
Specific Conductance: 507

Requested Chem[redacted]
Laboratory No.: [redacted] Date Received: JUN 21 1990 Date Reported: OCT 15 1990

Alpha	(01503)	9.0 ± 3.1	pCi/l
Beta	(03503)	< 6.0	pCi/l
Radium 226	(09503)	1.0 ± 0.2	pCi/l
Radium 228	(81366)	< 1.0	pCi/l
Total Radium*	(11500)		pCi/l
Thorium*	(26403)		pCi/l
Uranium*	(22703)		pCi/l

* Do not analyze unless it is checked *yes*.

Texas Water Development Board

Chemical Water Analysis Report

MISC. PRJ. 1990. 658

TWDB Use Only

Work No. 320.3202

IAC No. _____

Southwest #9

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: P. Nordstrom

State Well Number: 6521201

County: Harris

Date & Time: 6/11/90 16:00

Owner: City of Houston X Send Copy To Owner C/O Tony Baker

Address: PO Box 1560 Houston, TX 77251

Sampled After Pumping: POR Hours

Date Drilled: _____ Depth: _____

Yield: _____ GPM ☐ Measured ☐ Estimated

Collection Point: FAU pH 7.37

Use: P.S. Temperature: 25.0 °C

By: D.R. Jones

Specific Conductance: 507

Requested Chem[redacted]

Laboratory No.: [redacted]

Date Received: JUN 15 1990

KEY PUNCHED

Date Reported: JUL 18 1990

TOC MS

TEXAS DEPARTMENT OF HEALTH
GC/MS ANALYSIS REPORT
EPA PRIORITY POLLUTANTS

ANALYST: P. Hamlett DATE: 7-17-90 TOH SAMPLE NUMBER: EBO-1566
TWC SAMPLE NUMBER:

*DETECTION LIMITS ARE APPROXIMATE SAMPLE TYPE: water

SAMPLE CONDITION: intact

ACID EXTRACTABLES IN (CHECK ONE) (✓) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
PHENOL	<11	4-CHLORO-3-CRESOL	<11	4-NITROPHENOL	<21
CHLOROPHENOL	---	2,4,6-TRICHLOROPHENOL	---	2,6-DINITRO-2-CRESOL	---
2-NITROPHENOL	---	2,4-DIMETHYLPHENOL	---	PENTACHLOROPHENOL	---
2,4-DICHLOROPHENOL	---	2,4-DINITROPHENOL	<21		

BASE NEUTRAL EXTRACTABLES IN (CHECK ONE) (✓) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
N-NITROSO-N-DIMETHYLAMINE	<5	ACENAPHTHYLENE	<5	FLUORANTHENE	<5
bis-(2-CHLOROETHYL) ETHER	---	DIMETHYL PHTHALATE	---	PYRENE	---
1,3-DICHLOROBENZENE	---	2,6-DINITROTOLUENE	---	BENZIDINE	---
1,4-DICHLOROBENZENE	---	ACENAPHTHENE	---	BUTYLBENZYL PHTHALATE	<5*
1,2-DICHLOROBENZENE	---	2,4-DINITROTOLUENE	---	BENZ(a)ANTHRACENE	<5
bis-(2-CHLOROISOPROPYL)ETHER	---	FLUORENE	---	CHRYSENE	---
HEXACHLOROETHANE	---	4-CHLOROPHENYL PHENYL ETHER	---	3,3'-DICHLOROBENZIDINE	---
N-NITROSO-DI-n-PROPYLAMINE	---	DIETHYL PHTHALATE	---	bis-(2-ETHYLHEXYL)PHTHALATE	---
NITROBENZENE	---	DIPHENYLAMINE	---	DI-n-OCTYL PHTHALATE	---
ISOPHORONE	---	N-NITROSODIPHENYLAMINE	---	BENZO(b)FLUORANTHENE	---
bis-(2-CHLOROETHOXY)METHANE	---	1,2-DIPHENYLHYDRAZINE	---	BENZO(k)FLUORANTHENE	---
1, 2, 4-TRICHLOROBENZENE	---	4-BROMOPHENYL PHENYL ETHER	---	BENZO(a)PYRENE	---
NAPHTHALENE	---	HEXACHLOROBENZENE	---	INDENO(1,2,3-cd)PYRENE	---
HEXACHLOROBUTADIENE	---	PHENANTHRENE	---	DIBENZ(a,h)ANTHRACENE	---
HEXACHLOROCYCLOPENTAOIENE	---	ANTHRACENE	---	BENZO(ghi)PERYLENE	---
2-CHLORONAPHTHALENE	---	DI-n-BUTYL PHTHALATE	---		

PESTICIDES IN (CHECK ONE) (✓) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

	AMT	NAME	AMT	NAME	AMT
alpha-BHC	<11	ALDRIN	<11	beta-ENDOSULFAN	<21
gamma-BHC	---	4-4'-DDE	---	ENDOSULFAN SULFATE	---
beta-BHC	---	DIELDRIN	---	ENDRIN	---
delta-BHC	---	4,4'-DDD	---	alpha-ENDOSULFAN	---
HEPTACHLOR	---	4,4'-DDT	---	HEPTACHLOR EPOXIDE	---
ENDRIN ALDEHYDE	---				

VOLATILE ORGANICS IN (CHECK ONE) ( ) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
CHLOROMETHANE	---	1,2-DICHLOROETHANE	---	1,1,2-TRICHLOROETHANE	---
BROMOMETHANE	---	CARBON TETRACHLORIDE	---	2-CHLOROETHYLVINYL ETHER	---
	---	BROMODICHLOROMETHANE	---	TRICHLOROETHYLENE	---
	---	BENZENE	---	BROMOFORM	---
	---	DIBROMOCHLOROMETHANE	---	TOLUENE	---
		1,1,1-TRICHLOROETHANE	---	ETHYLBENZENE	---
		1,2-DICHLOROPROPANE	---	1,1,2,2-TETRACHLOROETHANE	---
		trans-1,3-DICHLOROPROPYLENE	---	TETRACHLOROETHYLENE	---
		cis-1,3-DICHLOROPROPYLENE	---	CHLOROBENZENE	---
				TOTAL XYLENES	---

1

TENTATIVE IDENTIFICATION OF THE TEN LARGEST NON-PRIORITY POLLUTANT PEAKS BY COMPARISON WITH EPA/NIH MASS SPECTRAL LIBRARY. QUANTITATION AS INTERNAL STANDARD IS PROVIDED, AND THE VALUES SHOULD BE REGARDED AS APPROXIMATE.

TENTATIVE COMPOUND IDENTIFICATION	APPROXIMATE CONCENTRATIONS (✓) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM
SEMI-VOLATILES	AS D10-ANTHRACENE
Benzamide, n-propyl	3 (2 peaks)
VOLATILES	AS D5-CHLOROBENZENE

KEY PUNCHED

1876

* COMMON LAB CONTAMINANTS
** REPORTED AT LESS THAN QUANTITATION LIMITS

COMMENTS AND OTHER REQUESTED ANALYSIS:

SIGNATURE DATE

17 July

Texas Water Development Board

Chemical Water Analysis Report

GWN-DRJ-1990-658
(Nitrogen Cycle)

TWDB Use Only
Work No. 320-3202
IAC No.

Southwest #9

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: P. Nordstrom
State Well Number: 6521201
County: Harris
Date & Time: 6/11/90 16:00
Owner: City of Houston
X Send Copy To Owner c/o Tony Baker
Address: PO Box 1560 Houston, 77251
Sampled After Pumping: PO A Hours
Date Drilled: _____ Depth: _____
Yield: _____ GPM ☐ Measured ☐ Estimated
Collection Point: FAW pH 7.37
Use: P.S. Temperature: 25.0 °C
By: D.R. Jones
Specific Conductance: 507

Requested Che[redacted]
Laboratory No.: [redacted]
Date Received: JUN 15 1990
Date Reported: JUN 7 1990
KEY PUNCHED

THD-Sample No. EB0 1514 Date Received 06/15/90 Date Reported 06/26/90

		MG/L			MG/L
Nitrate as N	(00618)	0.12			
KJE as N	(00623)	< 0.1	Ammonia as N	(00608)	0.02
			Nitrite as N	(00613)	< 0.01
			Orthophosphate as P	(00671)	< 0.01

*Note: To convert NO_3-N to NO_3, multiply by 4.427.

890091-D

Texas Water Development Board

Chemical Water Analysis Report

GWR- DRJ-1990-658
(Anions)

South west #9

TWDB Use Only
Work No. 320-3202
IAC No. _____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Attention: P. Nordstrom
State Well Number: 6521 201
County: Harris
Date & Time: 6/14/90 16:00
Owner: City of Houston
X Send Copy To Owner % Tony Baker
Address: PO Box 1562 Houston, 77251
Sampled After Pumping: P ☐ A Hours
Date Drilled: _____ Depth: _____
Yield: _____ GPM ☐ Measured ☐ Estimated
Collection Point: FAW pH 7.37
Use: PS Temperature: 35.0 °C
By: D.R. Jones
Specific Conductance: 507

Requested Chemical Analysis

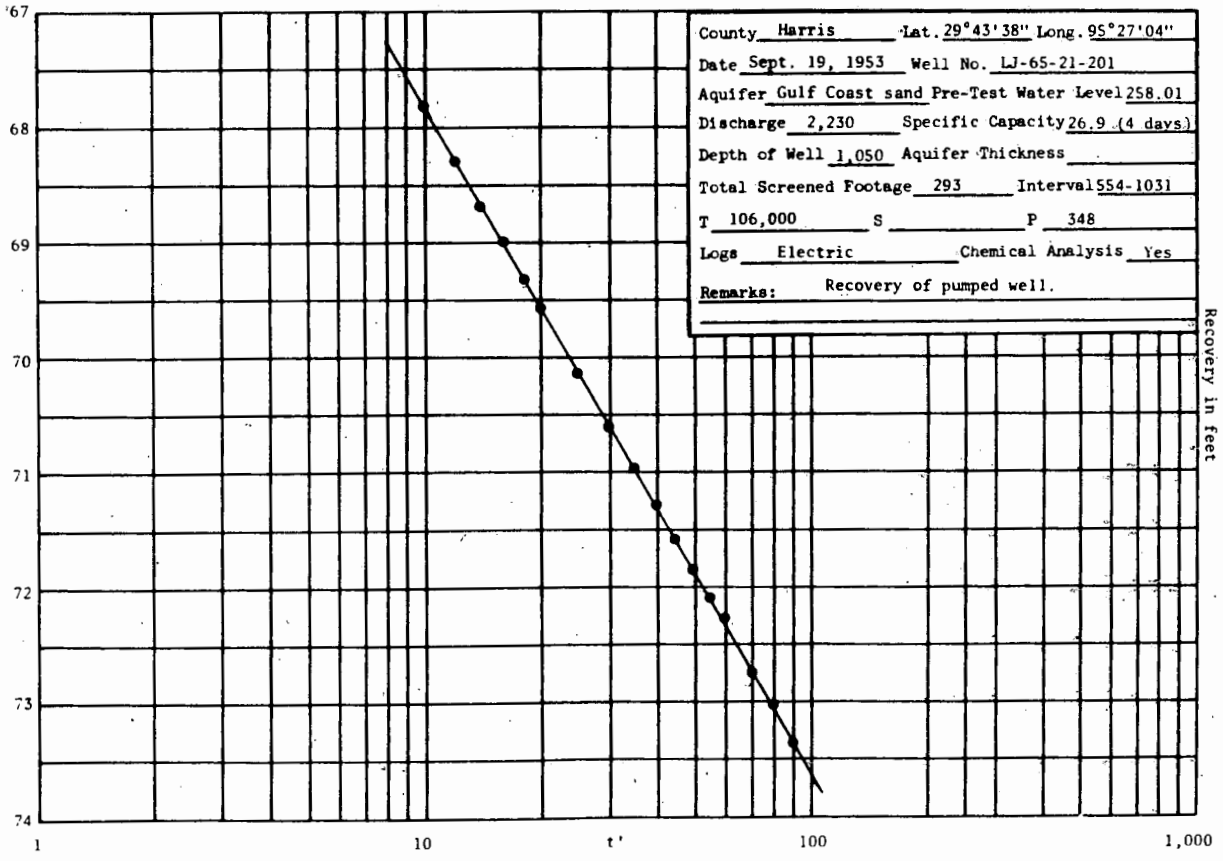
Laboratory [redacted] Date Received: JUN 15 1990 Date Reported: JUL 19 1990

KEY PUNCHED

THD-Sample No. EB0 1612 Date Received 06/15/90 Date Reported 07/18/90

		MG/L
Silica	(00955)	25
P.Akalinity	(00415)	0
T.Akalinity	(00410)	197
Sulfate	(00946)	14
Chloride	(00941)	41
Fluoride	(00950)	0.21
Iodide	(71865)	< 0.1
Boron	(*****)	0.26
Bromide	(71870)	< 0.01

890091-C


County Harris Lat. 29°43'38" Long. 95°27'04"
Date Sept. 19, 1953 Well No. LJ-65-21-201
Aquifer Gulf Coast sand Pre-Test Water Level 258.01
Discharge 2,230 Specific Capacity 26.9 (4 days)
Depth of Well 1,050 Aquifer Thickness
Total Screened Footage 293 Interval 554-1031
T 106,000 S P 348
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
67
68
69
70
71
72
73
74
1
10
t'
100
1,000
Recovery in feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-201

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521201
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7278417
Latitude (degrees minutes seconds)	29° 43' 40.23" N
Longitude (decimal degrees)	-95.4511333
Longitude (degrees minutes seconds)	095° 27' 04.08" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1051
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1953
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Layne Texas Co.
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294338095270401
Texas Commission on Environmental Quality Source Id	G1010013BI
Groundwater Conservation District Well Number	
Owner Well Number	Southwest #9
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/21/1968
Last Update Date	6/12/2018

Remarks	Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	513
12	Blank	Steel			426	554
12	Screen	Steel			554	574
12	Blank	Steel			574	580
12	Screen	Steel			580	590
12	Blank	Steel			590	600
12	Screen	Steel			600	671
12	Blank	Steel			671	741
12	Screen	Steel			741	791
12	Blank	Steel			791	811
12	Screen	Steel			811	881
12	Blank	Steel			881	910
12	Screen	Steel			910	931
12	Blank	Steel			931	980
12	Screen	Steel			980	1011
12	Blank	Steel			1011	1021
12	Screen	Steel			1021	1031
12	Blank	Steel			1031	1051

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
9/19/1953	Pump	2230	82.8	96

Lithology - No Data

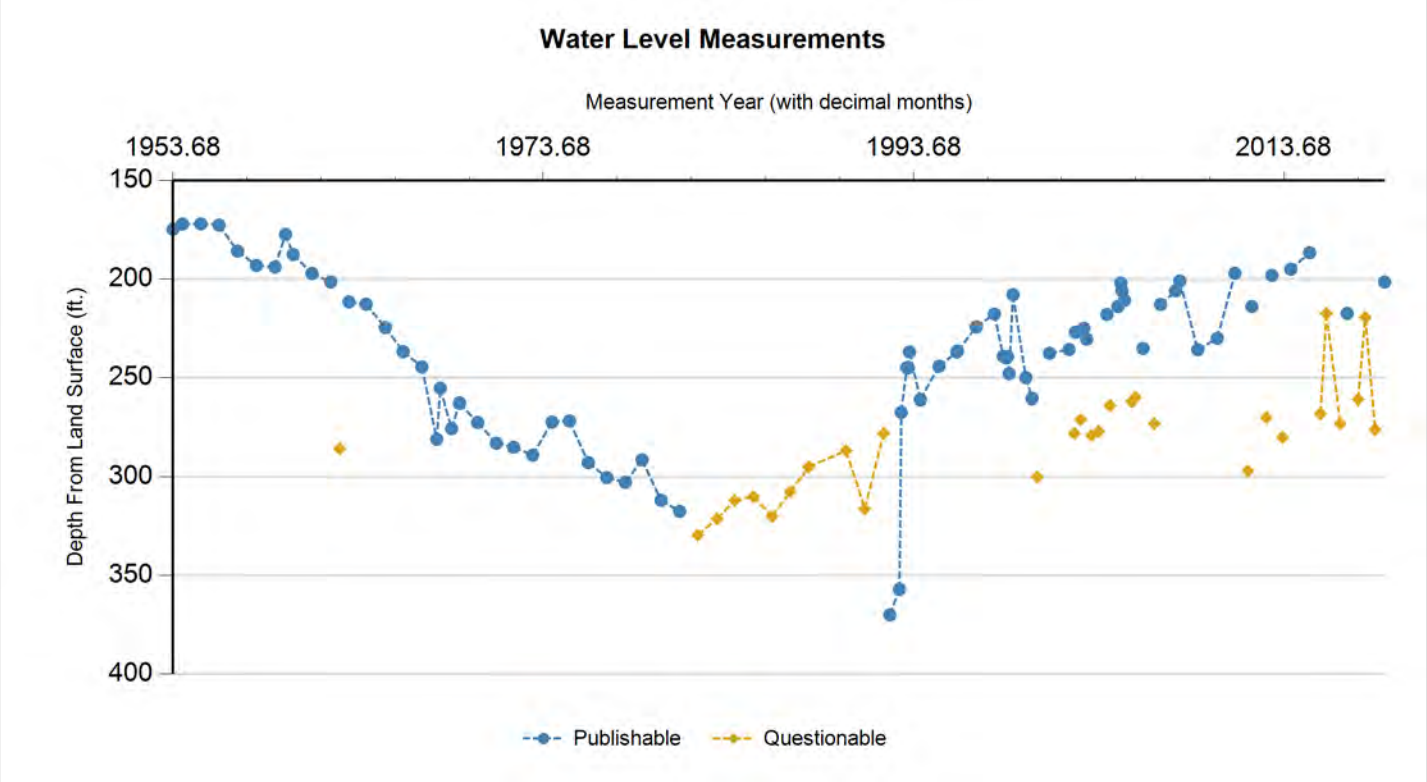
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/10/1953		174.8		-111.8	1	Registered Water Well Driller	Unknown		
P	3/10/1954		172.2	(2.60)	-109.2	1	U.S. Geological Survey	Steel Tape		
P	3/9/1955		172.06	(0.14)	-109.06	1	U.S. Geological Survey	Steel Tape		
P	2/29/1956		172.66	0.60	-109.66	1	U.S. Geological Survey	Steel Tape		
P	3/1/1957		185.87	13.21	-122.87	1	U.S. Geological Survey	Steel Tape		
P	3/11/1958		193.16	7.29	-130.16	1	U.S. Geological Survey	Steel Tape		
P	3/10/1959		193.98	0.82	-130.98	1	U.S. Geological Survey	Steel Tape		
P	10/7/1959		177.36	(16.62)	-114.36	1	U.S. Geological Survey	Steel Tape		
P	3/3/1960		187.52	10.16	-124.52	1	U.S. Geological Survey	Steel Tape		
P	3/8/1961		197.2	9.68	-134.2	1	U.S. Geological Survey	Steel Tape		
P	3/14/1962		201.53	4.33	-138.53	1	U.S. Geological Survey	Steel Tape		
Q	9/7/1962		285.77	84.24	-222.77	1	U.S. Geological Survey	Steel Tape	2	
P	3/8/1963		211.63	(74.14)	-148.63	1	U.S. Geological Survey	Steel Tape		
P	2/11/1964		212.8	1.17	-149.8	1	U.S. Geological Survey	Steel Tape		
P	2/23/1965		224.58	11.78	-161.58	1	U.S. Geological Survey	Steel Tape		
P	2/11/1966		236.8	12.22	-173.8	1	U.S. Geological Survey	Steel Tape		
P	2/15/1967		244.58	7.78	-181.58	1	U.S. Geological Survey	Steel Tape		
P	12/8/1967		281	36.42	-218	1	Registered Water Well Driller	Unknown		
P	2/13/1968		255.38	(25.62)	-192.38	1	U.S. Geological Survey	Steel Tape		
P	9/26/1968		275.52	20.14	-212.52	1	U.S. Geological Survey	Steel Tape		
P	2/25/1969		262.74	(12.78)	-199.74	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/19/1970		272.42	9.68	-209.42	1	U.S. Geological Survey	Steel Tape		
P	2/23/1971		282.93	10.51	-219.93	1	U.S. Geological Survey	Steel Tape		
P	1/28/1972		284.98	2.05	-221.98	1	U.S. Geological Survey	Steel Tape		
P	2/8/1973		289	4.02	-226	1	U.S. Geological Survey	Steel Tape		
P	2/25/1974		272.19	(16.81)	-209.19	1	U.S. Geological Survey	Steel Tape		
P	2/4/1975		271.63	(0.56)	-208.63	1	U.S. Geological Survey	Steel Tape		
P	2/9/1976		292.8	21.17	-229.8	1	U.S. Geological Survey	Steel Tape		
P	2/11/1977		300.41	7.61	-237.41	1	U.S. Geological Survey	Steel Tape		
P	2/13/1978		302.79	2.38	-239.79	1	U.S. Geological Survey	Steel Tape		
P	1/4/1979		291.4	(11.39)	-228.4	1	U.S. Geological Survey	Steel Tape		
P	1/14/1980		311.84	20.44	-248.84	1	U.S. Geological Survey	Steel Tape		
P	1/16/1981		317.48	5.64	-254.48	1	U.S. Geological Survey	Steel Tape		
Q	1/8/1982		329.52	12.04	-266.52	1	U.S. Geological Survey	Steel Tape	4	
Q	1/24/1983		321.26	(8.26)	-258.26	1	U.S. Geological Survey	Steel Tape	4	
Q	1/5/1984		311.95	(9.31)	-248.95	1	U.S. Geological Survey	Steel Tape	4	
Q	1/7/1985		309.97	(1.98)	-246.97	1	U.S. Geological Survey	Steel Tape	4	
Q	1/13/1986		320.1	10.13	-257.1	1	U.S. Geological Survey	Steel Tape	4	
Q	1/6/1987		307.52	(12.58)	-244.52	1	U.S. Geological Survey	Unknown	4	
Q	1/5/1988		294.95	(12.57)	-231.95	1	U.S. Geological Survey	Unknown	4	
Q	1/10/1990		286.66	(8.29)	-223.66	1	U.S. Geological Survey	Unknown	4	
Q	1/15/1991		316.17	29.51	-253.17	1	U.S. Geological Survey	Steel Tape	4	
Q	1/22/1992		278.01	(38.16)	-215.01	1	U.S. Geological Survey	Steel Tape	4	
P	5/21/1992		370	91.99	-307	1	U.S. Geological Survey	Steel Tape		
P	12/3/1992		357	(13.00)	-294	1	U.S. Geological Survey	Steel Tape		
P	1/4/1993		267.26	(89.74)	-204.26	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		245	(22.26)	-182	1	U.S. Geological Survey	Air Line		
P	5/20/1993		245.09	0.09	-182.09	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		237	(8.09)	-174	1	U.S. Geological Survey	Air Line		
P	1/14/1994		261.1	24.10	-198.1	1	U.S. Geological Survey	Steel Tape		
P	1/17/1995		244.22	(16.88)	-181.22	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		237	(7.22)	-174	1	U.S. Geological Survey	Electric Line		
P	1/16/1996		236.58	(0.42)	-173.58	1	U.S. Geological Survey	Steel Tape		
P	1/21/1997		224.35	(12.23)	-161.35	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		224.22	(0.13)	-161.22	1	U.S. Geological Survey	Steel Tape		
P	1/14/1998		217.78	(6.44)	-154.78	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		239.22	21.44	-176.22	1	U.S. Geological Survey	Steel Tape		
P	8/6/1998		239.51	0.29	-176.51	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		239.98	0.47	-176.98	1	U.S. Geological Survey	Steel Tape		
P	10/2/1998		239.37	(0.61)	-176.37	1	U.S. Geological Survey	Unknown		
P	11/5/1998		248	8.63	-185	1	U.S. Geological Survey	Air Line		
P	1/16/1999		207.92	(40.08)	-144.92	1	U.S. Geological Survey	Steel Tape		
P	9/28/1999		250	42.08	-187	1	U.S. Geological Survey	Air Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/27/2000		260.49	10.49	-197.49	1	U.S. Geological Survey	Steel Tape		
P	1/27/2000		264	3.51	-201	2	U.S. Geological Survey	Air Line		
Q	5/10/2000		300	36.00	-237	1	U.S. Geological Survey	Air Line	2	
P	1/4/2001		237.65	(62.35)	-174.65	1	U.S. Geological Survey	Steel Tape		
P	1/24/2002		235.79	(1.86)	-172.79	1	U.S. Geological Survey	Steel Tape		
Q	5/10/2002		278	42.21	-215	1	U.S. Geological Survey	Air Line	2	
P	5/31/2002		227	(51.00)	-164	1	U.S. Geological Survey	Air Line		
Q	9/16/2002		271	44.00	-208	1	U.S. Geological Survey	Air Line	2	
P	11/18/2002		225	(46.00)	-162	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		230.55	5.55	-167.55	1	U.S. Geological Survey	Steel Tape		
Q	4/18/2003		279	48.45	-216	1	U.S. Geological Survey	Steel Tape	2	
Q	9/4/2003		277	(2.00)	-214	1	U.S. Geological Survey	Steel Tape	2	
P	2/13/2004		218	(59.00)	-155	1	U.S. Geological Survey	Steel Tape		
Q	4/12/2004		264	46.00	-201	1	U.S. Geological Survey	Steel Tape	2	
P	9/17/2004		214	(50.00)	-151	1	U.S. Geological Survey	Steel Tape		
P	11/15/2004		202	(12.00)	-139	1	U.S. Geological Survey	Air Line		
P	12/9/2004		206	4.00	-143	1	U.S. Geological Survey	Air Line		
P	1/24/2005		210.82	4.82	-147.82	1	U.S. Geological Survey	Steel Tape		
Q	6/17/2005		262	51.18	-199	1	U.S. Geological Survey	Air Line	2	
Q	8/30/2005		260	(2.00)	-197	1	U.S. Geological Survey	Air Line	2	
P	1/23/2006		235.22	(24.78)	-172.22	1	U.S. Geological Survey	Steel Tape		
Q	9/5/2006		273	37.78	-210	1	U.S. Geological Survey	Air Line	2	
P	1/4/2007		212.92	(60.08)	-149.92	1	U.S. Geological Survey	Steel Tape		
P	10/31/2007		206	(6.92)	-143	1	U.S. Geological Survey	Air Line		
P	1/18/2008		201.1	(4.90)	-138.1	1	U.S. Geological Survey	Steel Tape		
P	1/7/2009		235.88	34.78	-172.88	1	U.S. Geological Survey	Steel Tape		
P	1/27/2010		230.07	(5.81)	-167.07	1	U.S. Geological Survey	Steel Tape		
P	1/10/2011		197.09	(32.98)	-134.09	1	U.S. Geological Survey	Steel Tape		
Q	9/26/2011		297	99.91	-234	1	U.S. Geological Survey	Air Line	2	
P	12/13/2011		213.95	(83.05)	-150.95	1	U.S. Geological Survey	Steel Tape		
Q	9/25/2012		270	56.05	-207	1	U.S. Geological Survey	Air Line	2	
P	1/8/2013		198.19	(71.81)	-135.19	1	U.S. Geological Survey	Steel Tape		
Q	8/8/2013		280	81.81	-217	1	U.S. Geological Survey	Air Line	2	
P	1/17/2014		195.05	(84.95)	-132.05	1	U.S. Geological Survey	Steel Tape		
P	1/21/2015		186.69	(8.36)	-123.69	1	U.S. Geological Survey	Steel Tape		
Q	8/26/2015	0857	268	81.31	-205	1	U.S. Geological Survey	Air Line	2	
Q	12/23/2015	1353	217.43	(50.57)	-154.43	1	U.S. Geological Survey	Steel Tape	4	
Q	9/21/2016	0920	273	55.57	-210	1	U.S. Geological Survey	Air Line	2	
P	2/2/2017	0932	217.46	(55.54)	-154.46	1	U.S. Geological Survey	Steel Tape		
Q	9/8/2017	0758	261	43.54	-198	1	U.S. Geological Survey	Air Line	2	
Q	1/24/2018	1124	219.45	(41.55)	-156.45	1	U.S. Geological Survey	Steel Tape	4	
Q	8/8/2018	1007	276	56.55	-213	1	U.S. Geological Survey	Air Line	2	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-201

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/12/2019	9310	201.55	(74.45)	-138.55	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 9/19/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		194.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		237	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		100	ug/L	
00910	CALCIUM (MG/L)		38	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.5	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.08		
00955	SILICA, DISSOLVED (MG/L AS SI02)		21	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.84		
00932	SODIUM, CALCULATED, PERCENT		43	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		50	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		284	mg/L	

Water Quality Analysis

Sample Date: 7/25/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 6/11/1990 **Sample Time:** 1600 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Chicot and Evangeline Aquifers

Analyzed Lab: Texas Department of Health **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
34551	1,2,4-TRICHLOROBENZENE, TOTAL, UG/L	<	5	ug/L	
34536	1,2-DICHLOROBENZENE, TOTAL, UG/L	<	5	ug/L	
34346	1,2-DIPHENYLHYDRAZINE, TOTAL, UG/L	<	5	ug/L	
34566	1,3-DICHLOROBENZENE, TOTAL, UG/L	<	5	ug/L	
34571	1,4-DICHLOROBENZENE, TOTAL, UG/L	<	5	ug/L	
34621	2,4,6-TRICHLOROPHENOL, TOTAL, UG/L	<	11	ug/L	
34601	2,4-DICHLOROPHENOL, TOTAL, UG/L	<	11	ug/L	
34606	2,4-DIMETHYLPHENOL, TOTAL, UG/L	<	11	ug/L	
34616	2,4-DINITROPHENOL, TOTAL, UG/L	<	21	ug/L	
34611	2,4-DINITROTOLUENE, TOTAL, UG/L	<	5	ug/L	
51002	2,6-DINITRO-2-CRESOL, TOTAL, UG/L	<	21	ug/L	
34626	2,6-DINITROTOLUENE, TOTAL, UG/L	<	5	ug/L	
34581	2-CHLORONAPHTHALENE, TOTAL, UG/L	<	5	ug/L	
34591	2-NITROPHENOL, TOTAL, UG/L	<	11	ug/L	
34631	3,3'-DICHLOROBENZIDINE, TOTAL, UG/L	<	5	ug/L	
51006	4,4'-DDD, TOTAL, UG/L	<	11	ug/L	
51005	4,4'-DDE, TOTAL, UG/L	<	11	ug/L	
51007	4,4'-DDT, TOTAL, UG/L	<	11	ug/L	
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL, UG/L	<	5	ug/L	
77421	4-CHLORO-3-CRESOL, TOTAL, UG/L	<	11	ug/L	
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL, UG/L	<	5	ug/L	
34646	4-NITROPHENOL, TOTAL, UG/L	<	21	ug/L	
34253	A-BHC-ALPHA, TOTAL, UG/L	<	11	ug/L	
34205	ACENAPHTHENE, TOTAL, UG/L	<	5	ug/L	
34200	ACENAPHTHYLENE, TOTAL, UG/L	<	5	ug/L	
39330	ALDRIN, TOTAL, UG/L	<	11	ug/L	
39086	ALKALINITY FIELD DISSOLVED AS CACO3		192	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		197	mg/L	
01503	ALPHA, DISSOLVED (PC/L)		9	PC/L	3.1
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	50	ug/L	
34220	ANTHRACENE, TOTAL, UG/L	<	5	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	10	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		216	ug/L	
34255	B-BHC-BETA, TOTAL, UG/L	<	11	ug/L	
39120	BENZIDINE, TOTAL, UG/L	<	5	ug/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
34527	BENZO(A) ANTHRACENE, TOTAL, UG/L	<	5	ug/L	
34247	BENZO-(A)-PYRENE, TOTAL, UG/L	<	5	ug/L	
34230	BENZO(B)FLUORANTHENE, TOTAL, UG/L	<	5	ug/L	
34521	BENZO(GHI)PERYLENE, TOTAL, UG/L	<	5	ug/L	
34242	BENZO(K)FLUORANTHENE, TOTAL, UG/L	<	5	ug/L	
03503	BETA, DISSOLVED (PC/L)	<	6	PC/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240.41	mg/L	
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL, UG/L	<	5	ug/L	
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL, UG/L	<	5	ug/L	
34283	BIS (2-CHLOROISOPROPYL) ETHER, TOTAL, UG/L	<	5	ug/L	
39100	BIS(2-ETHYLHEXYL) PHTHALATE, TOTAL, UG/L	<	5	ug/L	
01020	BORON, DISSOLVED (UG/L AS B)		260	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)	<	0.01	mg/L	
51003	BUTYLBENZYL PHTHALATE, TOTAL, UG/L		3	ug/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	10	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		46	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		41	mg/L	
77966	CHLOROPHENOL, TOTAL, UG/L	<	11	ug/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	20	ug/L	
34320	CHRYSENE, TOTAL, UG/L	<	5	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	20	ug/L	
46323	DELTA-BHC, TOTAL, UG/L	<	11	ug/L	
51004	DIBENZO (A,H) ANTHRACENE, TOTAL, UG/L	<	5	ug/L	
39380	DIELDRIN, TOTAL, UG/L	<	11	ug/L	
34336	DIETHYL PTHALATE, TOTAL, UG/L	<	5	ug/L	
34341	DIMETHYL PTHALATE, TOTAL, UG/L	<	5	ug/L	
39110	DI-N-BUTYL PHTHALATE, TOTAL, UG/L	<	5	ug/L	
34596	DI-N-OCTYL PHTHALATE, TOTAL, UG/L	<	5	ug/L	
77579	DIPHENYLAMINE, TOTAL, UG/L	<	5	ug/L	
34361	ENDOSULFAN - ALPHA, TOTAL, UG/L	<	21	ug/L	
34356	ENDOSULFAN - BETA, TOTAL, UG/L	<	21	ug/L	
34351	ENDOSULFAN SULFATE, TOTAL, UG/L	<	21	ug/L	
34366	ENDRIN ALDEHYDE, TOTAL, UG/L	<	11	ug/L	
39390	ENDRIN, TOTAL, UG/L	<	21	ug/L	
34376	FLUORANTHENE, TOTAL, UG/L	<	5	ug/L	
34381	FLUORENE, TOTAL, UG/L	<	5	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.21	mg/L	
39340	GAMMA-BHC (LINDANE), TOTAL, UG/L	<	11	ug/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		165	mg/L	
39420	HEPTACHLOR EPOXIDE, TOTAL, UG/L	<	21	ug/L	
39410	HEPTACHLOR, TOTAL, UG/L	<	11	ug/L	
39700	HEXACHLOROBENZENE (HCB), TOTAL, UG/L	<	5	ug/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39702	HEXACHLOROBUTADIENE, TOTAL, UG/L	<	5	ug/L	
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL, UG/L	<	5	ug/L	
34396	HEXACHLOROETHANE, TOTAL, UG/L	<	5	ug/L	
34403	INDENO (1,2,3-CD) PYRENE	<	5	ug/L	
71865	IODIDE (MG/L AS I)	<	0.1	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)	<	20	ug/L	
34408	ISOPHORONE, TOTAL, UG/L	<	5	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	50	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		12	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	20	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	20	ug/L	
34696	NAPHTHALENE, TOTAL, UG/L	<	5	ug/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		0.12	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.53	mg/L	
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	<	0.01	mg/L	
34447	NITROBENZENE, TOTAL, UG/L	<	5	ug/L	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		0.02	mg/L	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	<	0.1	mg/L	
34438	N-NITROSODIMETHLAMINE, TOTAL, UG/L	<	5	ug/L	
34428	N-NITROSO-DI-N-PROPYLAMINE, TOTAL, UG/L	<	5	ug/L	
34433	N-NITROSODIPHENYLAMINE, TOTAL, UG/L	<	5	ug/L	
60026	N-PROPYL BENZAMIDE, TOTAL, UG/L		3	ug/L	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		114.8	MV	
39032	PENTACHLOROPHENOL (PCP), TOTAL, UG/L	<	21	ug/L	
00400	PH (STANDARD UNITS), FIELD		7.37	SU	
34461	PHENANTHRENE, TOTAL, UG/L	<	5	ug/L	
34694	PHENOL, TOTAL, UG/L	<	11	ug/L	
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	<	0.01	mg/L	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		2.9	mg/L	
34469	PYRENE, TOTAL, UG/L	<	5	ug/L	
09503	RADIUM 226, DISSOLVED, PC/L		1	PC/L	0.2
81366	RADIUM 228, DISSOLVED (PC/L AS RA-228)	<	1	PC/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.66		
01145	SELENIUM, DISSOLVED (UG/L AS SE)		6	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		25	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	10	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.63		
00932	SODIUM, CALCULATED, PERCENT		38	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		48	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		507	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		780	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		14	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
65-21-201

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00010	TEMPERATURE, WATER (CELSIUS)		25	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		309	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	20	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	20	ug/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. J-65-21-202

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown)

Record by W.L. NAFTEL (10-61) Source of data FILES Date 2-21-68 Map 1:24000 Belloire 1955

State Texas [48] County (or town) Harris [LJ]

Latitude: [29 43 48 N] deg min sec N/S Longitude: [095 27 04] degrees min sec Sequential number: [1]

Lat-long accuracy: [1] T. ____ N/S, R ____ E/W, Sec ____, ____ ¼, ____ ¼, ____ ¼ ____

Local well number: [LJ-65-21-202] Other number: B & M 10 So. West

Local use: ____ Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) Agency, (W) Water Dist ____ [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (S) Destroyed [W]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1954 Annual [A] Field aquifer char. [ ]

Hyd. lab. data: ____ [ ]

Qual. water data; type: ____ [ ]

Freq. sampling: 8-3-53 [A] Pumpage inventory: yes / no, period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: E-LOG AA-7 [E]

WELL-DESCRIPTION CARD — TEST HOLE 2504'

SAME AS ON MASTER CARD Depth well: 1965 ft [1965] Meas. (est) Driller accuracy [3]

Depth cased: (first perf.) 1069 ft [1069] Casing type: S; Diam. 24-12¾ in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (E) other ____ [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (E) other ____ [H]

Date Drilled: 7-22-53 [953] Pump intake setting: ____ ft [ ]

Driller: LAYNE-TEXAS Co. (name), HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (O) other [T] Deep / Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 250 300 [ ] Trans. or meter no. ____

Descrip. MP ____ ft above / below LSD. Alt. MP ____

Alt. LSD: 63' [63] Accuracy (source): Topo 5' [3]

Water Level 242.15 ft above / below MP; Ft above / below LSD [242] Accuracy: Mess [A]

Date meas: 10-9-53 [053] Yield: 2204 gpm [2204] Method determined [4]

P.L. 310.66

Drawdown: 58.5 ft [59] Accuracy: Mess [0] Pumping period 96 hrs [96]

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-21-202

Well No. LJ-6[illegible]-21-202

Latitude-longitude 29 d 43 m 48 s 095 d 27 m 04 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1, 19) Physiographic Province: COASTAL PLAINS [03] (20, 21) Section: _____

[F] (22) Drainage Basin: _____ [51R] (23, 25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28, 29) _____ aquifer, formation, group [E] (30, 31) ✓

Lithology: _____ [ ] (32, 33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35, 37) Length of well open to: 372 ft [372] (38, 40) Depth to top of: _____ ft [ ] (41, 43)

MINOR AQUIFER: _____ system, _____ series [ ] (44, 45) _____ aquifer, formation, group [ ] (46, 47)

Lithology: _____ [ ] (48, 49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51, 53) Length of well open to: _____ ft [ ] (54, 56) Depth to top of: _____ ft [ ] (57, 59)

* Intervals Screened: 1069-1150, 1168-1190, 1259-1304, 1415-1487, 1720-1736

Depth to consolidated rock: _____ ft [ ] (60, 63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65, 68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70, 71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73, 75) Coefficient Storage: _____ [ ] (76, 78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

* SCREENS
1765-1810
1825-1875
1905-1946

CSG
0-608 = 24"
501-1765 = 12 3/4"

RECOVERY TEST (ONE HOUR)
9-27-68
GPM = 1335
PL = 378
SL = 338.8
T = 70,700
SP. CAP. = 34.1

378
338.8
39.2

Well No. LJ-65-21-202

GPO 857-700

TX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020989

Latitude ° ' "	Longitude ° ' "	Seq. No.
294348	0952704	01

County code 201 County Harris

Well # LJ-65-21-202

Project number 7-4648-01000

Date 2-14-77 Time ____ Temp°C 29.5

Owner City of Houston

Address South West #10

Date drld 1953 WBF code 121 Engl.

Sample interval: (top) 1069 (bottom) 1946

Water level ____ Appr Clear Use PS

Collector Butler Yield ____ GPM

Smpld aftr pmpg ____ Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294348095270401 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1069	04	
Sample interval BOTTOM	72016	1946	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2950	02		29.5
pH	00400	7800	01		7.8
Specific conductance	00095	6500	03		650
HCO_3	00440	3120	03		312
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5400	02		54
Sulfate (SO_4)	00945	9200	01		9.2
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

1894

TX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017569

Latitude ° ' "	Longitude ° ' "	Seq. No.
294348	0952704	01

County code 201 County Harris

Well # LJ-65-21-202

Project number 4648.01000

Date 2-9-76 Time — Temp°C 29.5

Owner City of Houston

Address South West #10

Date drld — WBF code 121 EVGL

Sample interval: (top) 1069 (bottom) 1946

Water level — Appr Clear Use PS

Collector Naftel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294348095270401 (2–16)

Y M D 76 02 09 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1069	04	
Sample interval BOTTOM	72016	1946	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2950	02		29.5
pH	00400	7900	01		7.9
Specific conductance	00095	6420	03		642
HCO_3	00440	3060	03		306
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5200	02		52
Sulfate (SO_4)	00945	1100	02		11
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

1895

Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
294348	0952704	01

County code ~~LJ~~ 201 County Harris

Well # LJ-65-21-202

Project number 5-4648-01000

Date 2-4-75 Time ____ Temp°C 29.5

Owner City of Houston

Address Southwest #10

Date drld 7-22-53 WBF code 121 EVGL

Sample interval: (top) 1069 (bottom) 1946

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arrival Depth 1965

Pt of coll fawcet on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294348095270401 (2–16)

Y M D 75 02 04 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1965	04	
Yield (GPM)	00059			
Sample interval TOP	72015	1069	04	
Sample interval BOTTOM	72016	1946	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2950	02		
pH	00400	7900	01		7.9
Specific conductance	00095	6330	03		633
HCO_3	00440	3000	03		30
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5000	02		50
Sulfate (SO_4)	00945	1000	02		10
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				
4.91					
1.41					

Austin, Texas

020583

Latitude o ' "	Longitude o ' "	Seq. No.
29 43 48	095 27 04	01

nty code 101 County HARRIS

Well # LJ65-21-202

Project number T4648-01000

Date 9-22-76 Time 1305 Temp°C 26.5

Owner CITY OF HOUSTON

Address SOUTH WEST #10

Date drld 7-22-53 WBF code EVAL

Sample interval: (top) 1069 (bottom) 1946

Water level — Appr CLEAN Use PS

Collector PETERS Yield 1525 GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON DISCH. PIPE

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1)

Station identification number: 29 43 48 095 27 04 01 (2–16)

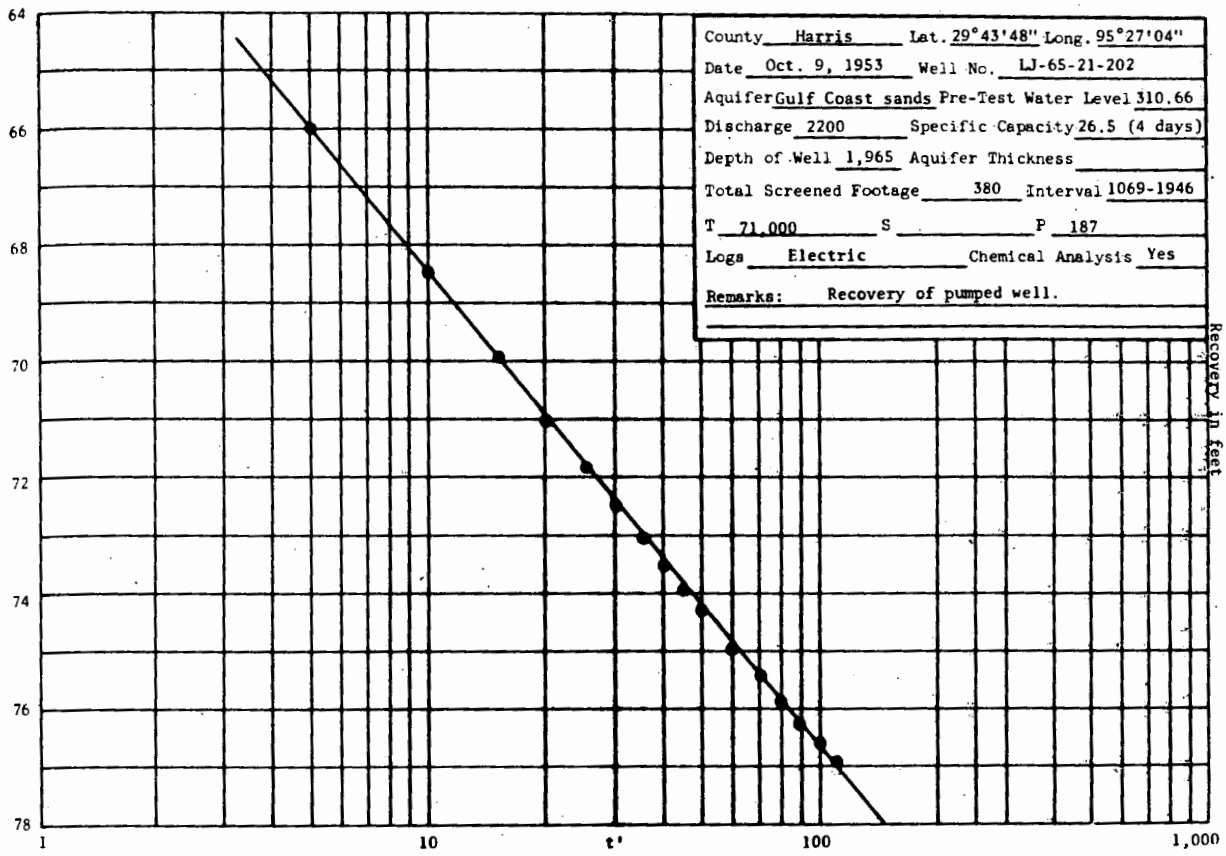
Y M D: 76 09 22 (17–22, Begin)

Time of measurement: (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	1069	04	
Sample interval BOTTOM	72016	1946	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2650	02		26.5
pH	00400	7800	01		7.8
Specific conductance	00095	6510	03		651
HCO_3	00440	3120	03		312
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5300	02		53
Sulfate (SO_4)	00945	6800	01		6.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

1897



County Harris Lat. 29°43'48" Long. 95°27'04"
Date Oct. 9, 1953 Well No. LJ-65-21-202
Aquifer Gulf Coast sands Pre-Test Water Level 310.66
Discharge 2200 Specific Capacity 26.5 (4 days)
Depth of Well 1,965 Aquifer Thickness
Total Screened Footage 380 Interval 1069-1946
T 71,000 S P 187
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-202

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521202
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7305111
Latitude (degrees minutes seconds)	29° 43' 49.84" N
Longitude (decimal degrees)	-95.4511722
Longitude (degrees minutes seconds)	095° 27' 04.22" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1965
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	7/22/1953
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294348095270401
Texas Commission on Environmental Quality Source Id	G1010013BJ
Groundwater Conservation District Well Number	
Owner Well Number	Southwest #10
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/21/1968
Last Update Date	6/12/2018

Remarks	Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	600
12	Blank	Steel			501	1069
12	Screen	Steel			1069	1150
12	Blank	Steel			1150	1168
12	Screen	Steel			1168	1190
12	Blank	Steel			1190	1259
12	Screen	Steel			1259	1304
12	Blank	Steel			1304	1415
12	Screen	Steel			1415	1487
12	Blank	Steel			1487	1720
12	Screen	Steel			1720	1736
12	Blank	Steel			1736	1765
12	Screen	Steel			1765	1810
12	Blank	Steel			1810	1825
12	Screen	Steel			1825	1875
12	Blank	Steel			1875	1905
12	Screen	Steel			1905	1946
12	Blank	Steel			1946	1965

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
10/9/1953	Pump	2200	83	96

Lithology - No Data

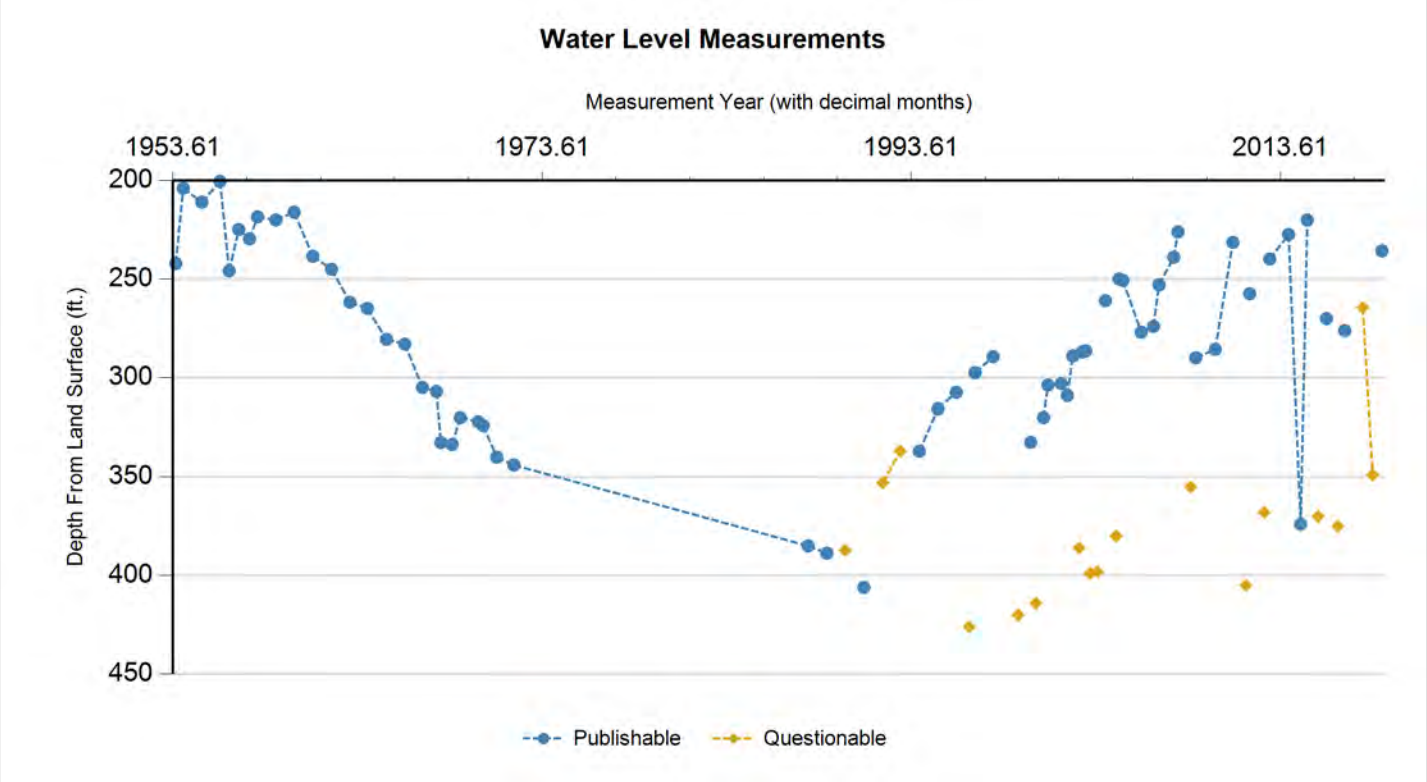
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/9/1953		242.15		-179.15	1	U.S. Geological Survey	Steel Tape		
P	3/2/1954		204	(38.15)	-141	1	U.S. Geological Survey	Steel Tape		
P	3/4/1955		211.05	7.05	-148.05	1	U.S. Geological Survey	Steel Tape		
P	2/29/1956		200.51	(10.54)	-137.51	1	U.S. Geological Survey	Steel Tape		
P	8/30/1956		245.89	45.38	-182.89	1	U.S. Geological Survey	Steel Tape		
P	3/4/1957		224.93	(20.96)	-161.93	1	U.S. Geological Survey	Steel Tape		
P	10/7/1957		229.71	4.78	-166.71	1	U.S. Geological Survey	Steel Tape		
P	3/10/1958		218.51	(11.20)	-155.51	1	U.S. Geological Survey	Steel Tape		
P	3/9/1959		220.09	1.58	-157.09	1	U.S. Geological Survey	Steel Tape		
P	3/3/1960		216.15	(3.94)	-153.15	1	U.S. Geological Survey	Steel Tape		
P	3/8/1961		238.47	22.32	-175.47	1	U.S. Geological Survey	Steel Tape		
P	3/14/1962		245.1	6.63	-182.1	1	U.S. Geological Survey	Steel Tape		
P	3/13/1963		261.8	16.70	-198.8	1	U.S. Geological Survey	Steel Tape		
P	2/21/1964		264.91	3.11	-201.91	1	U.S. Geological Survey	Steel Tape		
P	3/3/1965		280.6	15.69	-217.6	1	U.S. Geological Survey	Steel Tape		
P	3/3/1966		283	2.40	-220	1	U.S. Geological Survey	Steel Tape		
P	2/15/1967		305	22.00	-242	1	U.S. Geological Survey	Steel Tape		
P	11/23/1967		307	2.00	-244	1	Registered Water Well Driller	Unknown		
P	2/16/1968		332.6	25.60	-269.6	1	U.S. Geological Survey	Electric Line		
P	9/27/1968		333.6	1.00	-270.6	1	U.S. Geological Survey	Steel Tape		
P	3/5/1969		320	(13.60)	-257	1	U.S. Geological Survey	Air Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/27/1970		322	2.00	-259	1	U.S. Geological Survey	Air Line		
P	6/2/1970		324	2.00	-261	1	Registered Water Well Driller	Air Line		
P	2/26/1971		340	16.00	-277	1	U.S. Geological Survey	Air Line		
P	1/28/1972		344	4.00	-281	1	U.S. Geological Survey	Air Line		
P	1/6/1988		385	41.00	-322	1	U.S. Geological Survey	Unknown		
P	1/11/1989		388.69	3.69	-325.69	1	U.S. Geological Survey	Unknown		
Q	1/10/1990		387.24	(1.45)	-324.24	1	U.S. Geological Survey	Unknown	4	
P	1/15/1991		406	18.76	-343	1	U.S. Geological Survey	Steel Tape		
Q	1/22/1992		353	(53.00)	-290	1	U.S. Geological Survey	Steel Tape	4	
Q	1/4/1993		336.89	(16.11)	-273.89	1	U.S. Geological Survey	Steel Tape	4	
P	1/14/1994		337	0.11	-274	1	U.S. Geological Survey	Air Line		
P	1/17/1995		315.68	(21.32)	-252.68	1	U.S. Geological Survey	Steel Tape		
P	1/16/1996		307.45	(8.23)	-244.45	1	U.S. Geological Survey	Steel Tape		
Q	9/30/1996		426	118.55	-363	1	U.S. Geological Survey	Electric Line	2	
P	1/21/1997		297.55	(128.45)	-234.55	1	U.S. Geological Survey	Steel Tape		
P	1/14/1998		289.37	(8.18)	-226.37	1	U.S. Geological Survey	Steel Tape		
P	1/14/1998		293	3.63	-230	2	U.S. Geological Survey	Air Line		
Q	5/26/1999		420	127.00	-357	1	U.S. Geological Survey	Air Line	2	
P	1/27/2000		332.49	(87.51)	-269.49	1	U.S. Geological Survey	Steel Tape		
P	1/27/2000		329	(3.49)	-266	2	U.S. Geological Survey	Air Line		
Q	5/10/2000		414	85.00	-351	1	U.S. Geological Survey	Air Line	2	
P	10/11/2000		320	(94.00)	-257	1	U.S. Geological Survey	Air Line		
P	1/4/2001		303.7	(16.30)	-240.7	1	U.S. Geological Survey	Steel Tape		
P	9/27/2001		303	(0.70)	-240	1	U.S. Geological Survey	Air Line		
P	1/24/2002		309.05	6.05	-246.05	1	U.S. Geological Survey	Steel Tape		
P	5/10/2002		289	(20.05)	-226	1	U.S. Geological Survey	Air Line		
Q	9/16/2002		386	97.00	-323	1	U.S. Geological Survey	Air Line	2	
P	11/18/2002		287	(99.00)	-224	1	U.S. Geological Survey	Steel Tape		
P	1/21/2003		286.44	(0.56)	-223.44	1	U.S. Geological Survey	Steel Tape		
Q	4/18/2003		399	112.56	-336	1	U.S. Geological Survey	Steel Tape	2	
Q	9/11/2003		398	(1.00)	-335	1	U.S. Geological Survey	Steel Tape	2	
P	2/13/2004		261	(137.00)	-198	1	U.S. Geological Survey	Steel Tape		
Q	9/17/2004		380	119.00	-317	1	U.S. Geological Survey	Steel Tape	2	
P	11/15/2004		250	(130.00)	-187	1	U.S. Geological Survey	Air Line		
P	1/24/2005		250.74	0.74	-187.74	1	U.S. Geological Survey	Steel Tape		
P	1/23/2006		276.99	26.25	-213.99	1	U.S. Geological Survey	Steel Tape		
P	9/25/2006		274	(2.99)	-211	1	U.S. Geological Survey	Air Line		
P	1/9/2007		252.96	(21.04)	-189.96	1	U.S. Geological Survey	Steel Tape		
P	10/31/2007		239	(13.96)	-176	1	U.S. Geological Survey	Air Line		
P	1/18/2008		226.14	(12.86)	-163.14	1	U.S. Geological Survey	Steel Tape		
Q	10/2/2008		355	128.86	-292	1	U.S. Geological Survey	Air Line	2	
P	1/7/2009		289.99	(65.01)	-226.99	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/27/2010		285.69	(4.30)	-222.69	1	U.S. Geological Survey	Steel Tape		
P	1/10/2011		231.45	(54.24)	-168.45	1	U.S. Geological Survey	Steel Tape		
Q	9/26/2011		405	173.55	-342	1	U.S. Geological Survey	Air Line	2	
P	12/13/2011		257.46	(147.54)	-194.46	1	U.S. Geological Survey	Steel Tape		
Q	9/25/2012		368	110.54	-305	1	U.S. Geological Survey	Air Line	2	
P	1/8/2013		239.91	(128.09)	-176.91	1	U.S. Geological Survey	Steel Tape		
P	1/17/2014		227.46	(12.45)	-164.46	1	U.S. Geological Survey	Steel Tape		
P	9/15/2014		374	146.54	-311	1	U.S. Geological Survey	Air Line		
P	1/21/2015		220.11	(153.89)	-157.11	1	U.S. Geological Survey	Steel Tape		
Q	8/26/2015	0947	370	149.89	-307	1	U.S. Geological Survey	Air Line	2	
P	2/5/2016	1142	270.07	(99.93)	-207.07	1	U.S. Geological Survey	Steel Tape		
Q	9/21/2016	0844	375	104.93	-312	1	U.S. Geological Survey	Air Line	2	
P	2/2/2017	0908	276.15	(98.85)	-213.15	1	U.S. Geological Survey	Steel Tape		
Q	1/24/2018	1220	264.43	(11.72)	-201.43	1	U.S. Geological Survey	Steel Tape	4	
Q	8/8/2018	9400	349	84.57	-286	1	U.S. Geological Survey	Air Line	2	
P	2/7/2019	9510	235.75	(113.25)	-172.75	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 8/3/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		296.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		362	mg/L	
00910	CALCIUM (MG/L)		4	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		95	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		16	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.65		
00955	SILICA, DISSOLVED (MG/L AS SI02)		14	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		22.59		
00932	SODIUM, CALCULATED, PERCENT		96	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		195	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		496	mg/L	

Water Quality Analysis

Sample Date: 10/9/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		265.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		300	ug/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.7	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.56		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.83		
00932	SODIUM, CALCULATED, PERCENT		88	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		138	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		655	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		386	mg/L	

Water Quality Analysis

Sample Date: 3/3/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		31	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		735	MICR	

Water Quality Analysis

Sample Date: 3/1/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		718	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/1/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		349	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		707	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 3/1/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		309	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		618	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/11/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		629	MICR	

Water Quality Analysis

Sample Date: 2/27/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		314	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		626	MICR	

Water Quality Analysis

Sample Date: 3/3/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		713	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 3/7/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		611	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/8/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		249.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		304	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		39	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		612	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/11/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		250.82	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		306	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		626	MICR	

Water Quality Analysis

Sample Date: 2/17/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		316	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		616	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/11/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		667	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/7/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		667	MICR	

Water Quality Analysis

Sample Date: 2/13/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		617	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/25/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		250.82	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		306	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		625	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/2/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.74	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		312	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		643	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/25/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		662	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/3/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		247.54	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		302	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		639	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 1/31/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		48	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		641	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/25/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		636	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/4/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		633	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/9/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		250.82	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		306	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		642	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 9/22/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.74	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		312	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		53	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		651	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/14/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.74	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		312	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		650	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		656	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 4/8/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		660	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 3/20/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		570	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-202

Water Quality Analysis

Sample Date: 9/19/1997 **Sample Time:** 1440 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		488	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 203 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 43 Longitude - 95 25 22 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of West University Place
Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1949 Depth - 2,007 ft. Source of Depth - D Altitude - 57 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 937600

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- Y Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -
310 ft of screen between 1003 and
2007 ft. Well 6.

Aquifer - 121EVGL
Well No. - 65 21 203

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-203

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521203
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.728611
Latitude (degrees minutes seconds)	29° 43' 43" N
Longitude (decimal degrees)	-95.422778
Longitude (degrees minutes seconds)	095° 25' 22" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	57
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2007
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1949
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	310 ft of screen between 1003 and 2007 ft. Well 6.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 11/20/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		267.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		600	ug/L	
00910	CALCIUM (MG/L)		12	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.41		
00955	SILICA, DISSOLVED (MG/L AS SI02)		20	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.64		
00932	SODIUM, CALCULATED, PERCENT		87	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		151	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		690	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		424	mg/L	

Water Quality Analysis

Sample Date: 1/31/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		264.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		323	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		711	MICR	

Water Quality Analysis

Sample Date: 2/12/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		321	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		31	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		709	MICR	

Water Quality Analysis

Sample Date: 2/23/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		331	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		691	MICR	

Water Quality Analysis

Sample Date: 3/1/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		218	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		55	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		492	MICR	

Water Quality Analysis

Sample Date: 2/27/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		326	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		57	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		687	MICR	

Water Quality Analysis

Sample Date: 3/5/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		39	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		683	MICR	

Water Quality Analysis

Sample Date: 3/21/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		286.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		349	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		732	MICR	

Water Quality Analysis

Sample Date: 4/26/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		54	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		674	MICR	

Water Quality Analysis

Sample Date: 4/9/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		650	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6521207 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294452 **Longitude** 952649 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
M. S. McCorquodale

Driller
M. R. Pretty

Address _____ **Tenant/Oper.** _____

Date Drilled / /1940 **Depth** 236 **Source of Depth** **Altitude** 63 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** JET PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** DOMESTIC **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1940
-50

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178: Screen from 215 to 236 ft.
Yield: 50 gpm when drilled.

Aquifer - 112CHCTU **ID -** 15

CHICOT AQUIFER,UPPER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-207

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521207
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.747778
Latitude (degrees minutes seconds)	29° 44' 52" N
Longitude (decimal degrees)	-95.446945
Longitude (degrees minutes seconds)	095° 26' 49" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	236
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1940
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	M. S. McCorquodale
Driller	M. R. Pretty
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: Screen from 215 to 236 ft. Yield: 50 gpm when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

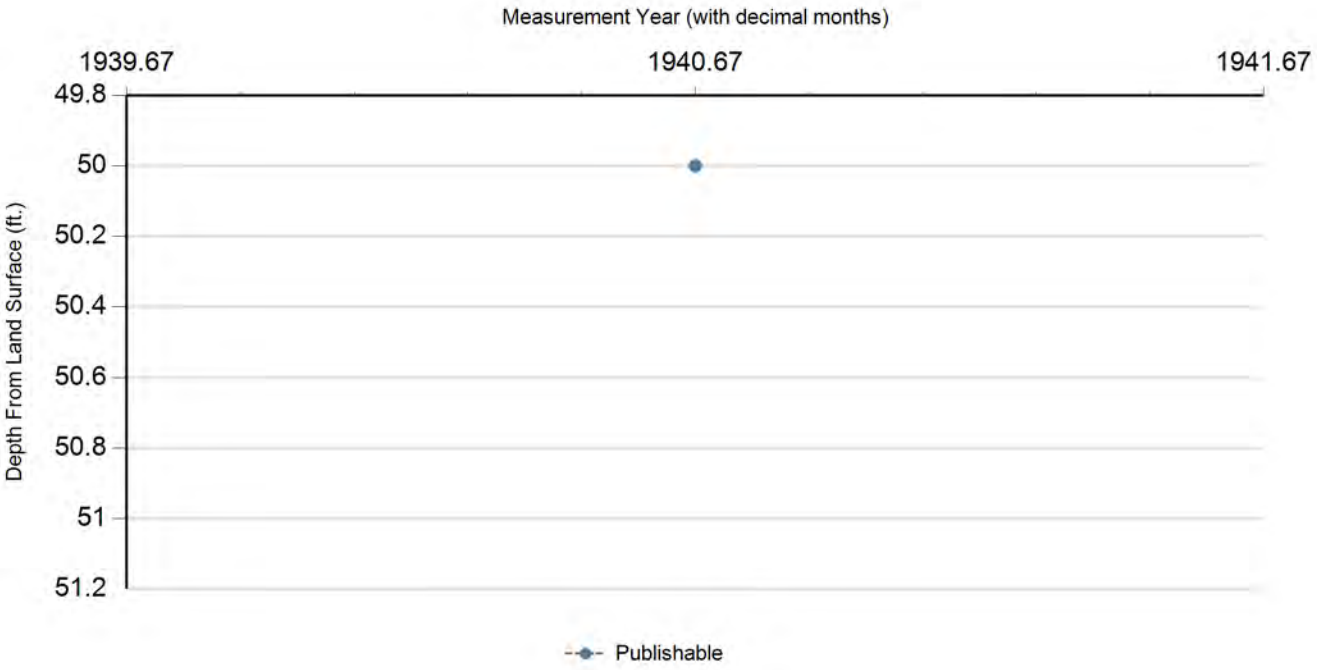
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/4/1940		50		13	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 208 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 46 Longitude - 95 26 44 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - A.M.Parsons Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1941 Depth - 437 ft. Source of Depth - Altitude - 63 ft. Source of Alt. -
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 5

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 01/18/1941 Measurement- -58.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
28 ft of screen between 386 and
434 ft. Reported yield 100 gpm with
40 ft drawdown when drilled.

Aquifer - 112CHCTL
Well No. - 65 21 208

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-208

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521208
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.746111
Latitude (degrees minutes seconds)	29° 44' 46" N
Longitude (decimal degrees)	-95.445556
Longitude (degrees minutes seconds)	095° 26' 44" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	437
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	A.M.Parsons
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	9/15/1994
Last Update Date	9/15/1994

Remarks	28 ft of screen between 386 and 434 ft. Reported yield 100 gpm with 40 ft drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

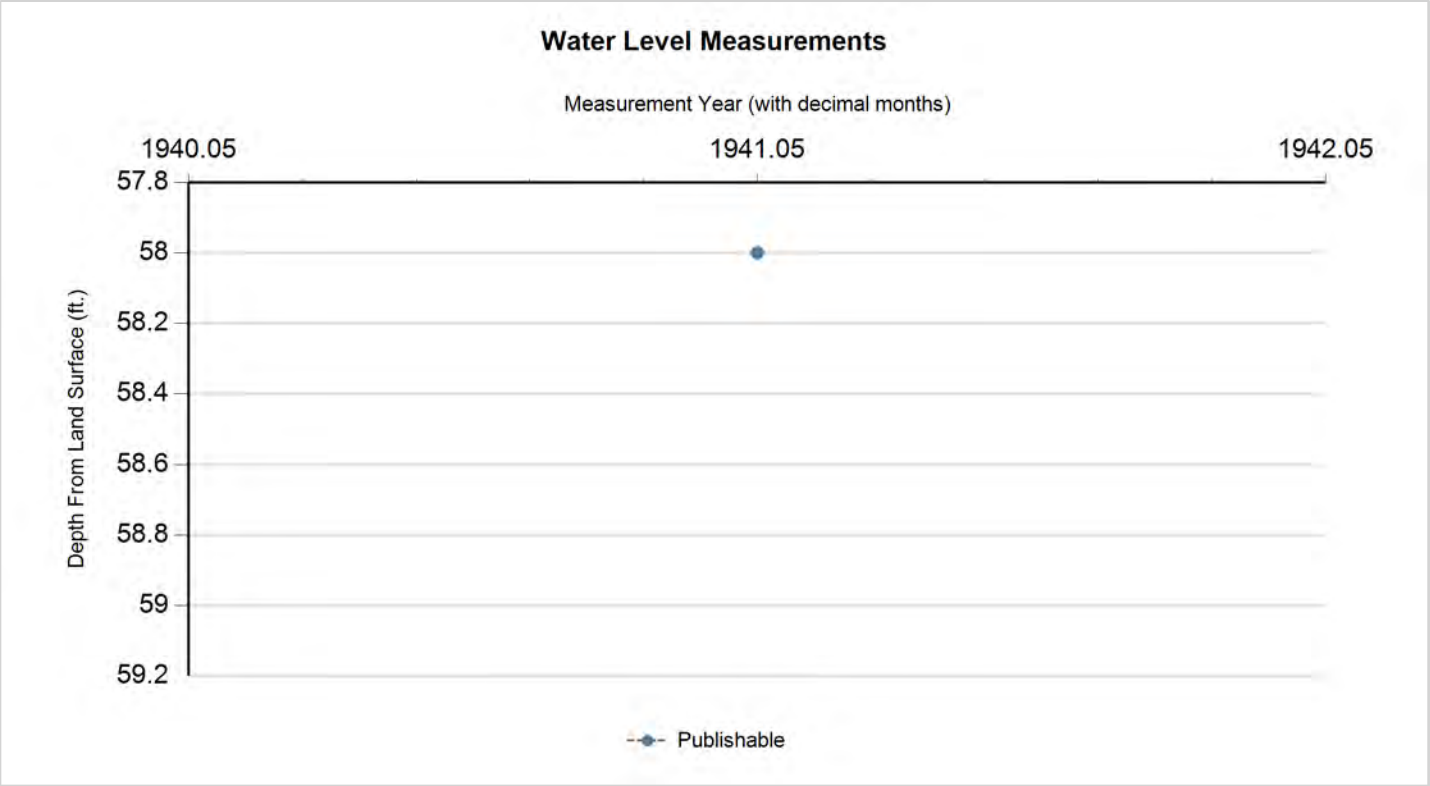
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/18/1941		58		5	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-208

Water Quality Analysis

Sample Date: 2/22/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		534	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6521209 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294450 **Longitude** 952646 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
T. D. Anderson

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1941 **Depth** 400 **Source of Depth** **Altitude** 63 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** DOMESTIC **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1941
-57

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178: Screen from 372 to 382 ft.
Yield: 100 gpm with 32 ft. drawdown when drilled.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-209

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521209
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.747222
Latitude (degrees minutes seconds)	29° 44' 50" N
Longitude (decimal degrees)	-95.446111
Longitude (degrees minutes seconds)	095° 26' 46" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	400
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	T. D. Anderson
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: Screen from 372 to 382 ft. Yield: 100 gpm with 32 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

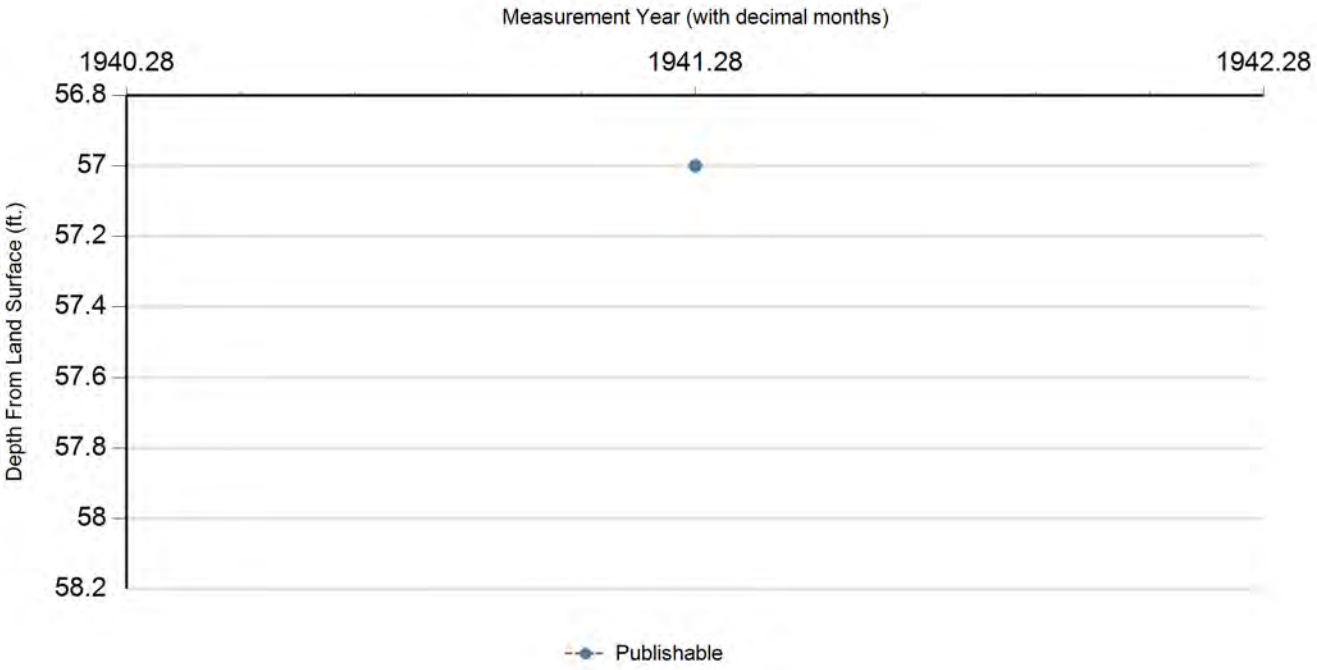
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/14/1941		57		6	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-209

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-210

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521210
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.748889
Latitude (degrees minutes seconds)	29° 44' 56" N
Longitude (decimal degrees)	-95.446667
Longitude (degrees minutes seconds)	095° 26' 48" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	424
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1940
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	J. P. Schumacher
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: 31 ft. of screen between 359 and 408 ft. Yield: 130 gpm with 29 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

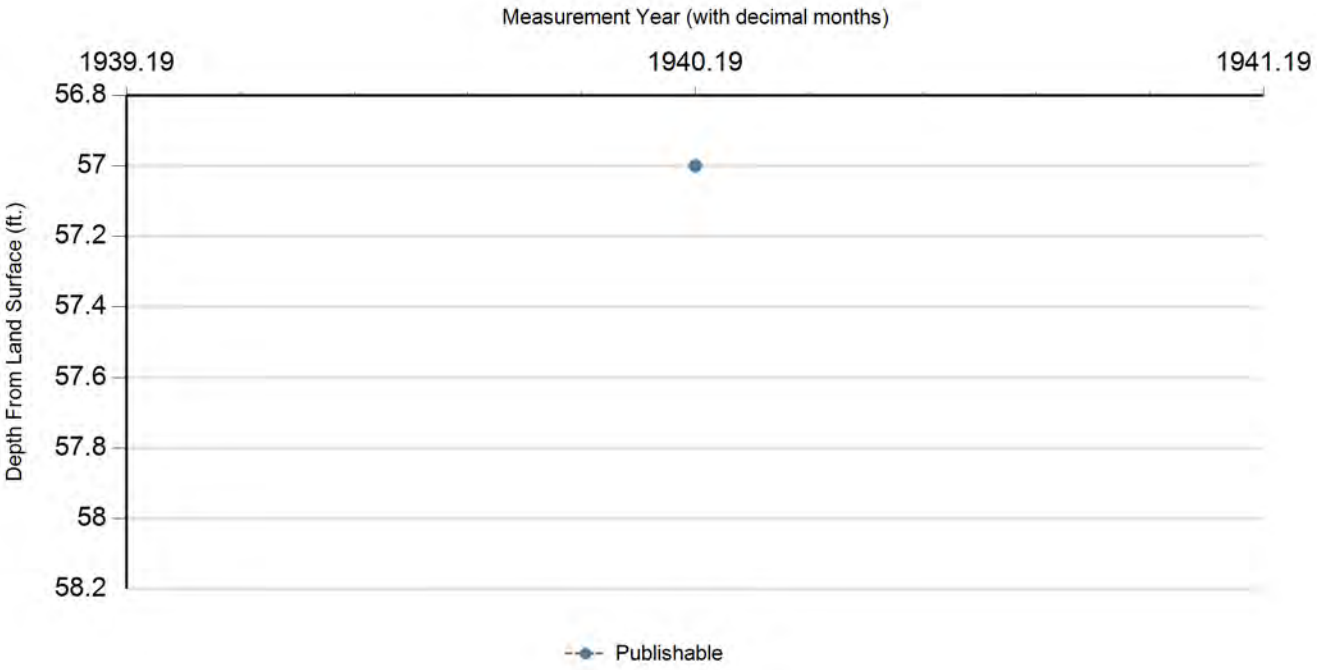
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/9/1940		57		6	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-210

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-211

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521211
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.749445
Latitude (degrees minutes seconds)	29° 44' 58" N
Longitude (decimal degrees)	-95.444722
Longitude (degrees minutes seconds)	095° 26' 41" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	445
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Ray Smith
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: 50 ft. of screen between 361 and 435 ft. Yield: 130 gpm with 42 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

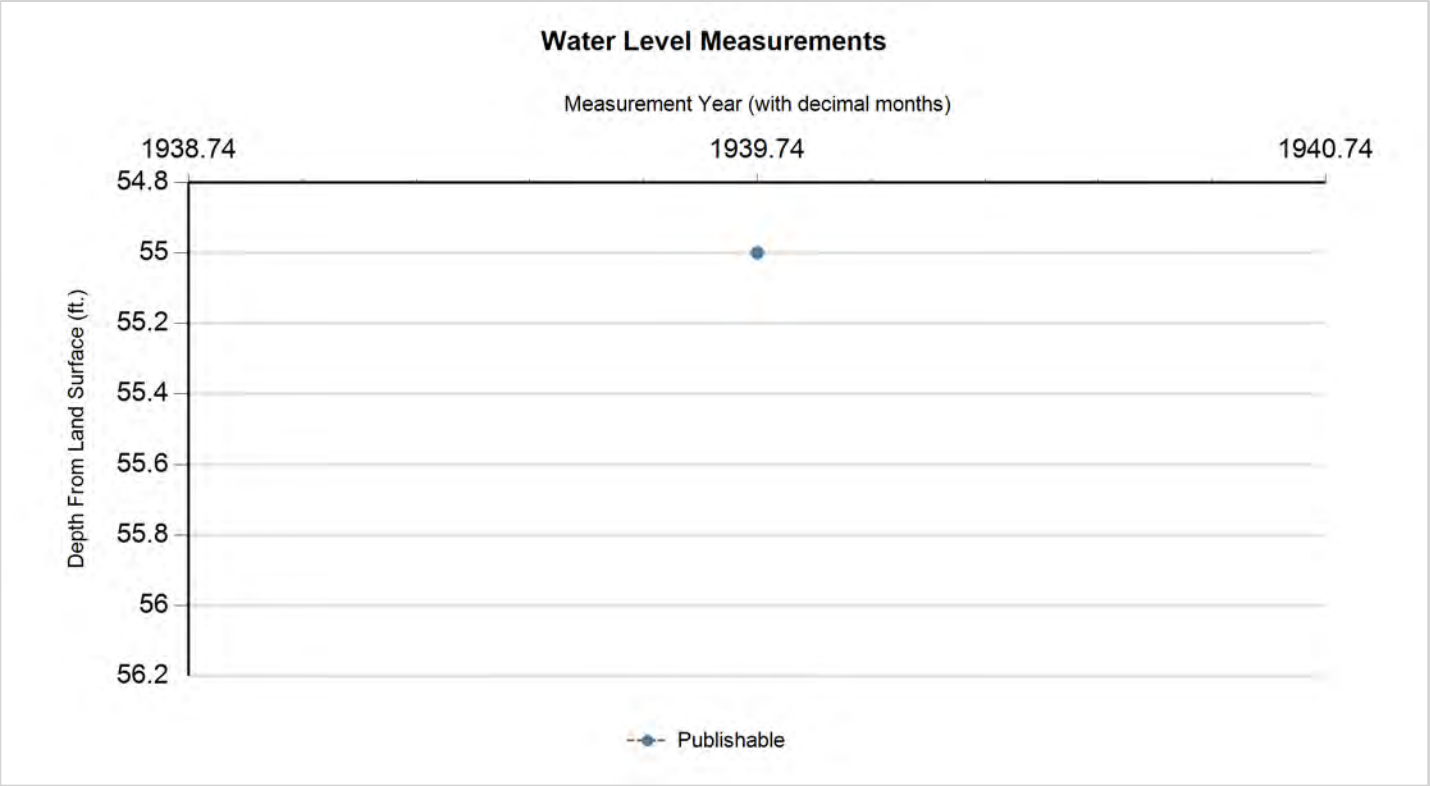
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/29/1939		55		8	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-211

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-212

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521212
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.749445
Latitude (degrees minutes seconds)	29° 44' 58" N
Longitude (decimal degrees)	-95.444722
Longitude (degrees minutes seconds)	095° 26' 41" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	63
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	425
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	S. H. Davis
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: Screen from 391 to 423 ft. Yield: 82 gpm with 36 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

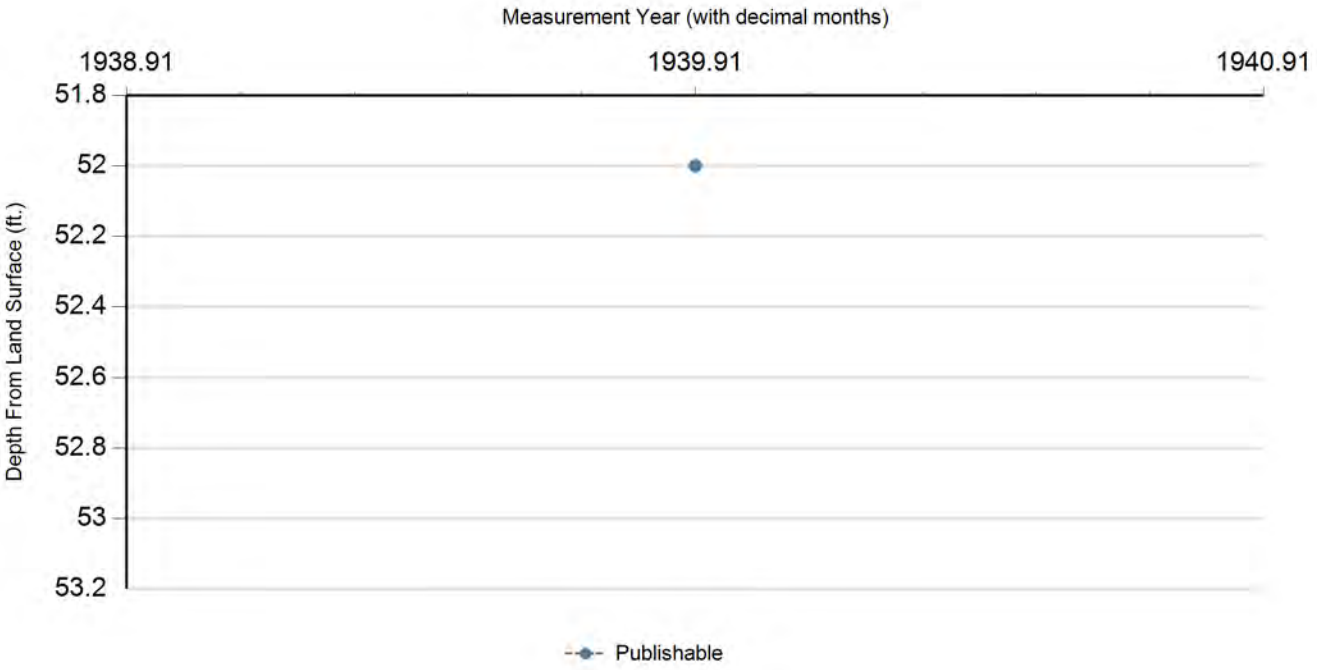
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/2/1939		52		11	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6521213 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294442 **Longitude** 952527 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Claude B. Hamill

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1939 **Depth** 928 **Source of Depth** **Altitude** 61 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** TURBINE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** DOMESTIC **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1939
-70

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178: 62 ft. of screen between 809 and 914 ft.
Yield: 117 gpm with 19 ft. drawdown when drilled.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-213

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521213
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.745
Latitude (degrees minutes seconds)	29° 44' 42" N
Longitude (decimal degrees)	-95.424167
Longitude (degrees minutes seconds)	095° 25' 27" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	61
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	928
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Claude B. Hamill
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: 62 ft. of screen between 809 and 914 ft. Yield: 117 gpm with 19 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

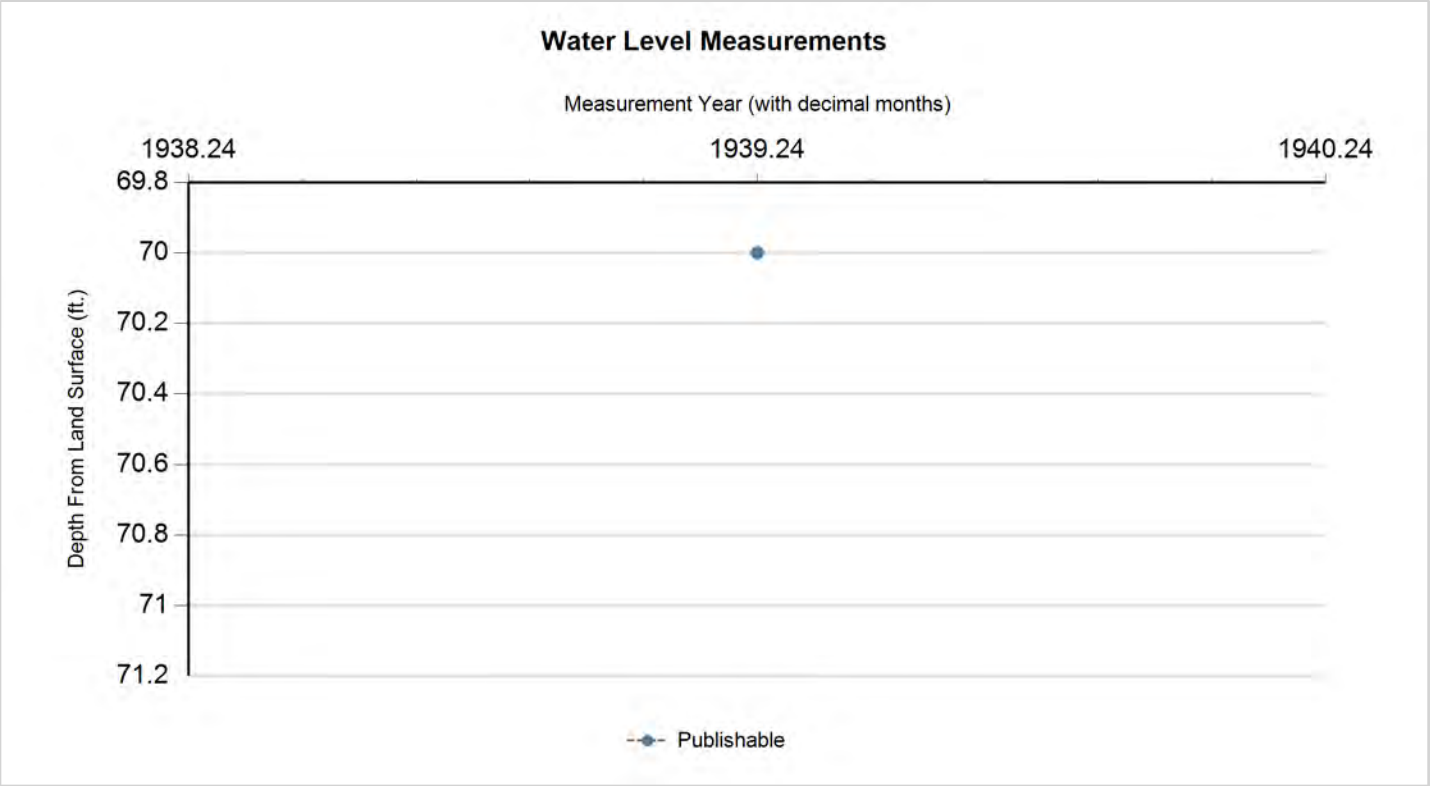
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/0/1939		70		-9	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-213

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 215 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 32 Longitude - 95 24 59 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of West University Place Driller - J A Walling

Address _____ Tenant/Oper. _____
Date Drilled - / / Depth - 600 ft. Source of Depth - R Altitude - 57 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User - 937600

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS
Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-215

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521215
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.725555
Latitude (degrees minutes seconds)	29° 43' 32" N
Longitude (decimal degrees)	-95.416389
Longitude (degrees minutes seconds)	095° 24' 59" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	57
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	600
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	J A Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	7/13/2001
Last Update Date	7/13/2001

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-216

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521216
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.716112
Latitude (degrees minutes seconds)	29° 42' 58" N
Longitude (decimal degrees)	-95.457501
Longitude (degrees minutes seconds)	095° 27' 27" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	58
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	115
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1931
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Academy of Incarnate Word
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	Screen from 93 to 115 ft. Reported yield 90 gpm in 1940.

Casing - No Data

Well Tests - No Data

Lithology - No Data

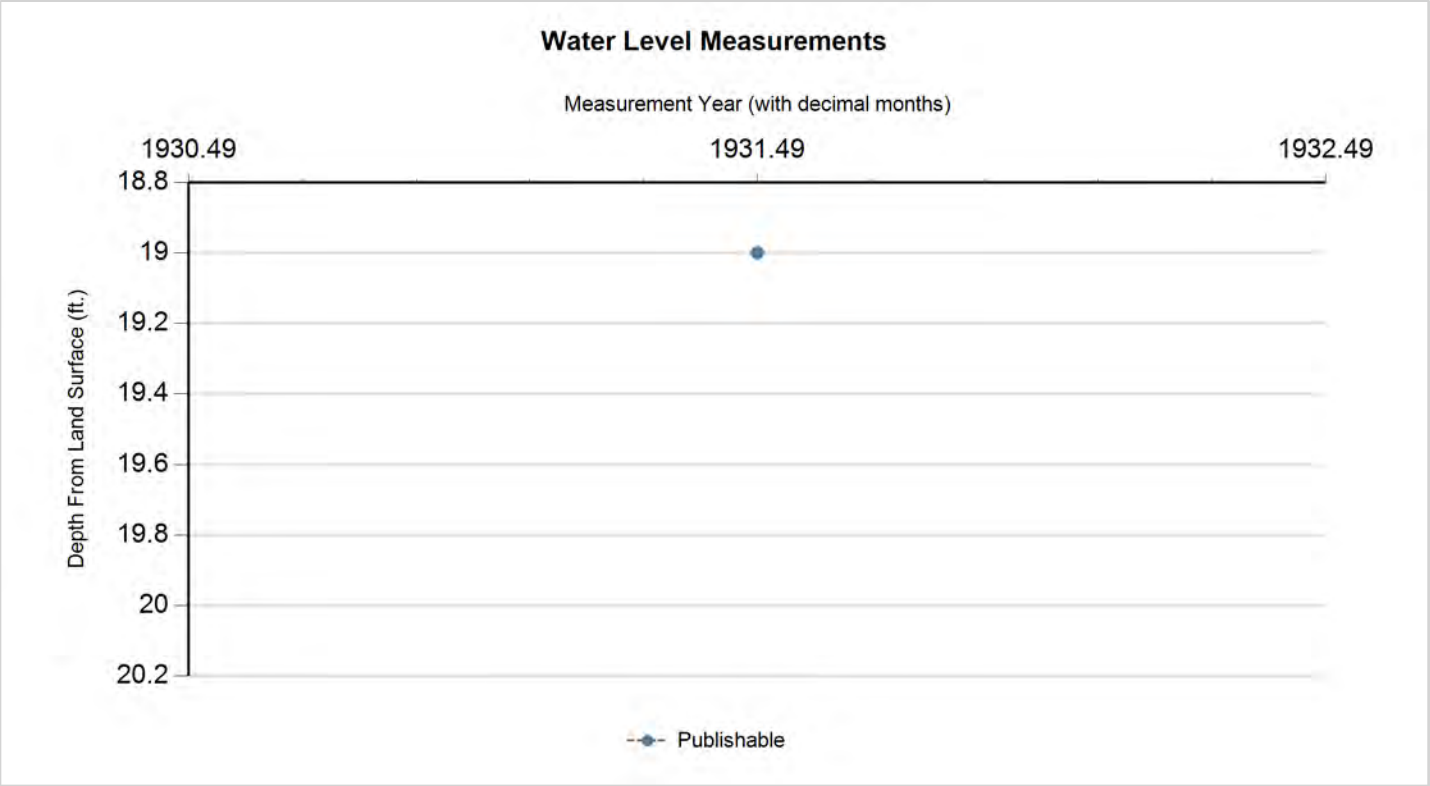
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1931		19		39	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-216

Water Quality Analysis

Sample Date: 2/16/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Upper

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		54	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		195	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		49	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		318	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-217

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521217
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.714167
Latitude (degrees minutes seconds)	29° 42' 51" N
Longitude (decimal degrees)	-95.433611
Longitude (degrees minutes seconds)	095° 26' 01" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	610
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1924
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Southside Place
Driller	J A Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/3/1997
Last Update Date	10/3/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

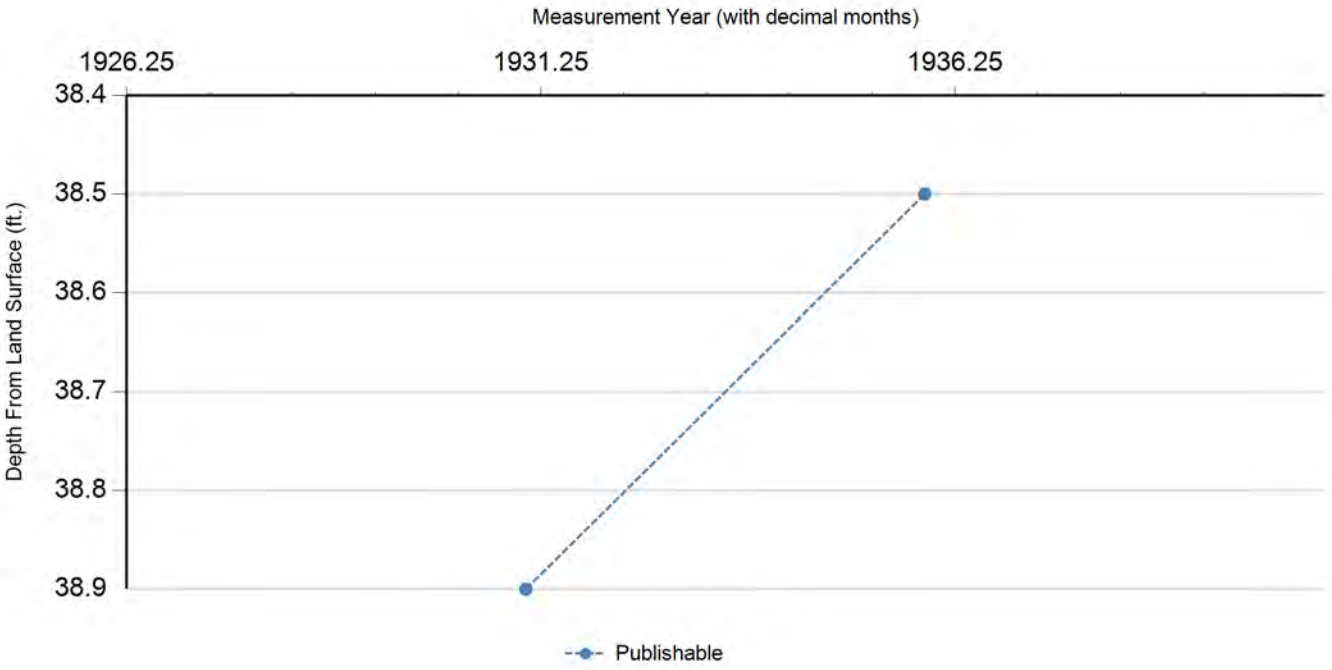
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/24/1931		38.9		17.1	1	U.S. Geological Survey	Unknown		
P	11/23/1935		38.5	(0.40)	17.5	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-218

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521218
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.714167
Latitude (degrees minutes seconds)	29° 42' 51" N
Longitude (decimal degrees)	-95.433611
Longitude (degrees minutes seconds)	095° 26' 01" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	988
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1935
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Southside Place
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	10/3/1997
Last Update Date	10/3/1997

Remarks	64 ft of screen between 911 and 988 ft. Reported yield 250 gpm with 42 ft drawdown when drilled. Well destoyred. Well 2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

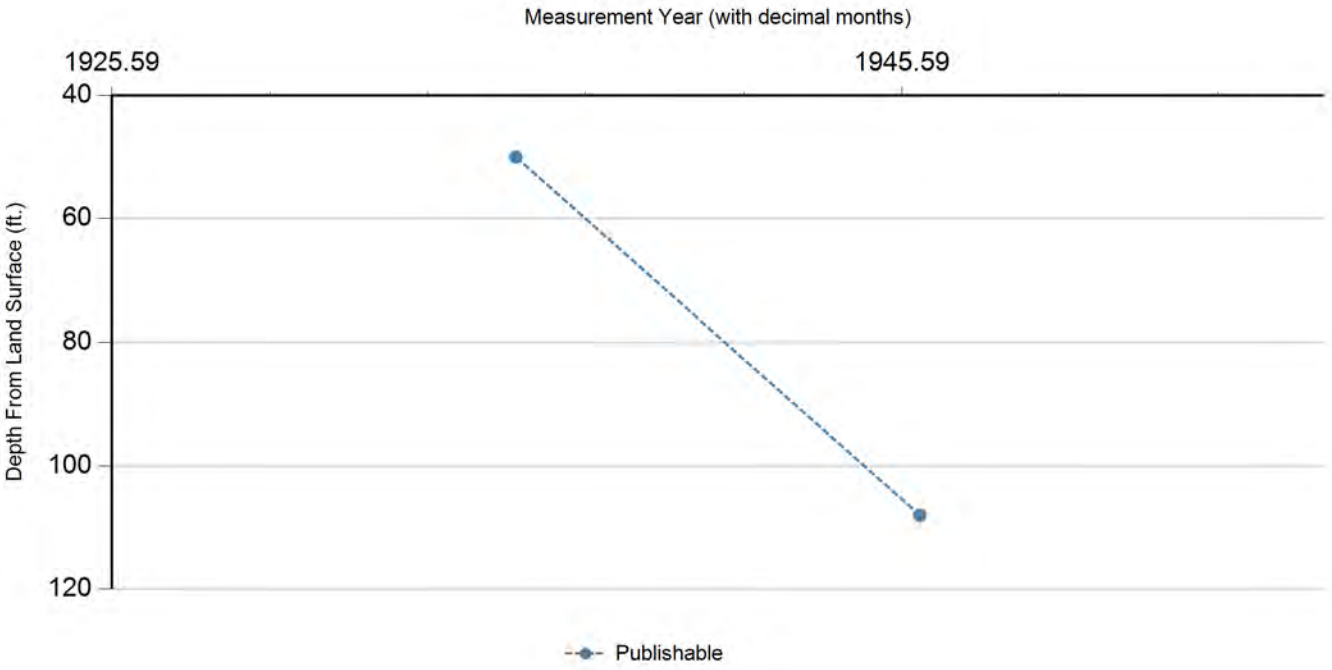
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/0/1935		50		6	1	Registered Water Well Driller	Unknown		
P	1/18/1946		108	58.00	-52	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-218

Water Quality Analysis

Sample Date: 4/10/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		198.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		242	mg/L	
00910	CALCIUM (MG/L)		46	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		160	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		800	ug/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		9.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.76		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.48		
00932	SODIUM, CALCULATED, PERCENT		35	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		43	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		504	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		297	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-21-219

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by Gene McAdoo W.F.G. 1941 | Source of data File | Date 1-22-68 | Map 1:24000 Bellaire 1955

State Texas (48) | County (or town) Harris (LJ)

Latitude: 29 42 51 N | Longitude: 095 25 59 | Sequential number: 3

Lat-long accuracy: 1 | T. ___ N, S, R ___ E, W, Sec ___, ___, ___, ___

Local well number: LJ-65-21-219 | Other number: B & M #1267

Local use: | Owner or name: City of Southside Place.

Owner or name: SOUTHSIDE PLACE | Address: Well 3

Ownership: (C) County, (F) Fed Gov't, (G) Grey, (M) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — destroyed 1968 — U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — Z

DATA AVAILABLE: Well data 1 | Freq. W/L meas.: 1941 - 1967 Semi-annual 5 | Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: none | Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: E-Log (AA-19) — E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD | Depth well: 894 ft | 894 | Meas. esp. Driller accuracy | 3

Depth cased: (first perf.) 484 ft | 484 | Casing type: S | Diam. 13-8⅝ in | 13

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: May 1941 | 41 | Pump intake setting: ft

Driller: McMasters & Pomeroy, Pasadena, Texas (name, address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — X | Deep / Shallow — D

Power (type): diesel, elec, nat gas, LP gasoline, hand, gas, wind; H.P. 25 N — V | Trans. or meter no.

Descrip. MP ___ ft above/below LSD, Alt. MP ___

Alt. LSD: 56 | 56 | Accuracy: (source) Topo 5' | 3

Water Level 65 ft above/below MP; ft above/below LSD | 65 | Accuracy: rept | D

Date meas: July 1941 | 7 4 1 | Yield: 400 gpm (7-14-41) | 400 | Method determined

Drawdown: 33 ft | 33 | Accuracy: rept | 3 | Pumping period ___ hrs

QUALITY OF WATER DATA: Iron ___ ppm | Sulfate ___ ppm | Chloride ___ ppm | Hard. ___ ppm

Sp. Conduct ___ K x 10^6 | Temp. ___ °F | Date sampled

Taste, color, etc.

Well No. LJ-65-21-219

Well No. LJ-65-21-219

Latitude-longitude 29 d 42 m 51 s S 095 d 25 m 59.3 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: Coastal Plain (20–21) 03 Section: West

GCP (22) E Drainage Basin: _____ (23–25) 511R Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series (28–29) Q _____ aquifer, formation, group (30–31) CL

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 120 ft (38–40) 120 Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) T _____ aquifer, formation, group (46–47) E

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: 20 20 ft (54–56) 20 10 Depth to top of: 20 ft (57–59) 20

Intervals Screened: 484-504', 529-549', 584-604', 694-704', 719-749', 869-889'

Depth to consolidated rock: _____ ft (60–62) Source of data: _____ (64)

Depth to basement: _____ ft (63–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

279' of 10" CSS.

Well No. LJ-65-21-307

GPO 857-700

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas

WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-21-5E
Located on map 465
Received: Rec'd

1) OWNER City of West University Place (Name) Address 3800 University Blvd. (Street or RFD) Houston (City) Texas (State) 77005 (Zip)

2) LOCATION OF WELL:
County Harris 2 Blocks ~~XXX~~ in N.W. (N.E., S.W., etc.) direction from City Hall (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines
Well No. 65-21-222
☒ See attached map. Corner of Milton and College St.

3) TYPE OF WORK (Check):
☐ New Well ☐ Deepening
☒ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☒ Public Supply
☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored
☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
Date drilled 1941

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
	Surface	
See original		

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other See original
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
		Well No. 5
		See original

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
		See original			
8	N	Steel blank	890	1,206	.250

CEMENTING DATA
Cemented from _____ ft. to _____ ft.
Method used See original
Cemented by _____ (Company or Individual)

9) WATER LEVEL:
Static level 410 ft. below land surface Date 7/81
Artesian flow - 0 - gpm. Date _____

10) PACKERS:

	Type	Depth
12" x 8"	Metal Petal	1,200
16" x 8"	Cement	890 - 892

11) TYPE PUMP:
☒ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 540 ft.

(Use reverse side if necessary) 21-15

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

12) WELL TESTS:
☐ Type Test: ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 900 gpm with _____ ft. drawdown after _____ hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

(Signed) James O'Connor (Water Well Driller) Layne-Western Company, Inc. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

7392 (Rev. 1-12-79) DEPARTMENT OF WATER RESOURCES COPY

65-21-219 CB

1987

HOUSTON
WEST UNIVERSITY PLACE
SOUTH SIDE PLACE

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-219

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521219
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.714167
Latitude (degrees minutes seconds)	29° 42' 51" N
Longitude (decimal degrees)	-95.433611
Longitude (degrees minutes seconds)	095° 26' 01" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	894
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Southside Place
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	10/3/1997
Last Update Date	10/3/1997

Remarks	120 ft of screen between 484 and 889 ft. Reported yield 400 gpm with 33 ft drawdown when drilled. Well destoyred. Well 3.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

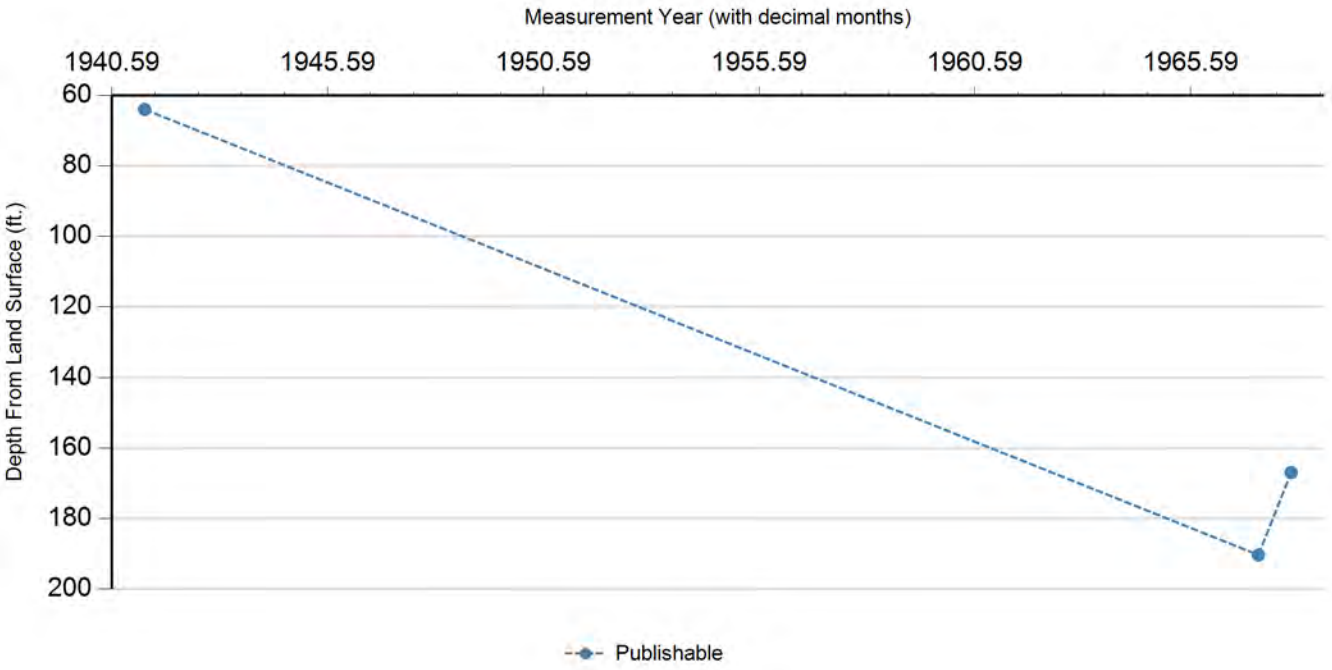
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-21-219

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/6/1941		64		-8	1	Registered Water Well Driller	Unknown		
P	2/28/1967		190.3	126.30	-134.3	1	U.S. Geological Survey	Steel Tape		
P	12/5/1967		166.9	(23.40)	-110.9	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-220

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521220
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.715556
Latitude (degrees minutes seconds)	29° 42' 56" N
Longitude (decimal degrees)	-95.438056
Longitude (degrees minutes seconds)	095° 26' 17" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	57
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	650
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1925
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	J A Walling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-220

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-221

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521221
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.716112
Latitude (degrees minutes seconds)	29° 42' 58" N
Longitude (decimal degrees)	-95.438334
Longitude (degrees minutes seconds)	095° 26' 18" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	60
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	900
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1931
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-222

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521222
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.716112
Latitude (degrees minutes seconds)	29° 42' 58" N
Longitude (decimal degrees)	-95.439445
Longitude (degrees minutes seconds)	095° 26' 22" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1673
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	198 ft of screen between 1205 and 1649 ft. Reported yield 2000 gpm with 67 ft drawdown when drilled. Well 5.

Casing - No Data

Well Tests - No Data

Lithology - No Data

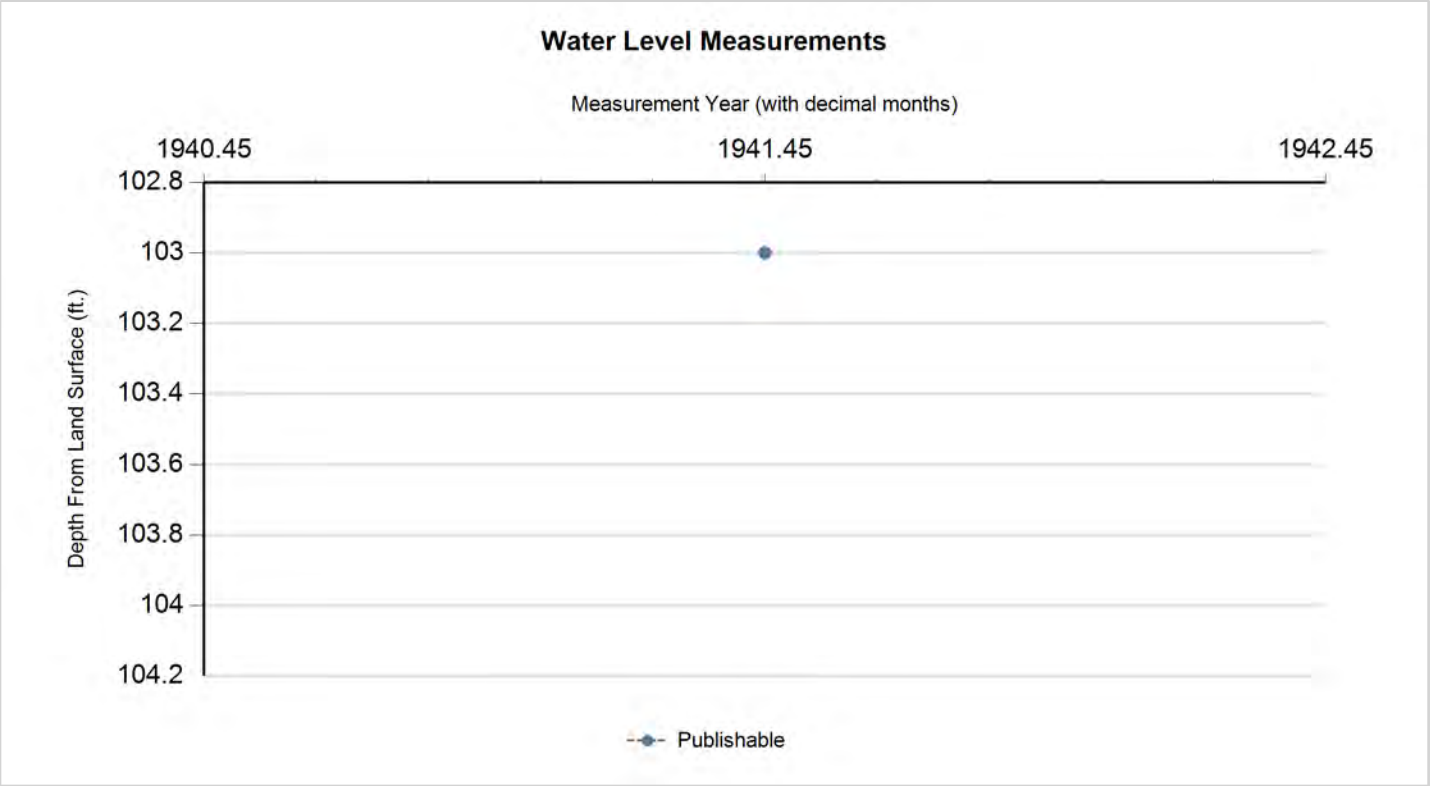
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/14/1941		103		-48	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.84		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		8.12		
00932	SODIUM, CALCULATED, PERCENT		86	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		114	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		306	mg/L	

Water Quality Analysis

Sample Date: 1/16/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	

Water Quality Analysis

Sample Date: 9/16/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		231.15	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		282	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	

Water Quality Analysis

Sample Date: 2/10/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		232.79	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		284	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		578	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		55	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		541	MICR	

Water Quality Analysis

Sample Date: 3/15/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		503	MICR	

Water Quality Analysis

Sample Date: 1/31/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		510	MICR	

Water Quality Analysis

Sample Date: 1/31/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		263	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		504	MICR	

Water Quality Analysis

Sample Date: 2/23/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		261	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		514	MICR	

Water Quality Analysis

Sample Date: 3/1/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		513	MICR	

Water Quality Analysis

Sample Date: 2/24/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		261	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		22	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		502	MICR	

Water Quality Analysis

Sample Date: 3/5/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	

Water Quality Analysis

Sample Date: 3/12/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		566	MICR	

Water Quality Analysis

Sample Date: 3/21/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		225.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		275	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		518	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-222

Water Quality Analysis

Sample Date: 4/9/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		31	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		498	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 223 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 45 Longitude - 95 26 15 Source of Coords - 5

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of West University Place

Driller - Layne Texas

Address _____ Tenant/Oper. _____

Date Drilled - / /1938 Depth - 768 ft. Source of Depth - Altitude - 55 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 30

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 03/13/1938 Measurement- -51.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
89 ft of screen between 632 and 756 ft. Reported yield 530 gpm with 73 ft drawdown when drilled.
Well 3.

Aquifer - 121EVGL
Well No. - 65 21 223

File original with Texas Water Development Board P. O. Box 13087 Austin, Texas 78711	State of Texas WATER WELL ~~COMPLETION AND~~ PLUGGING REPORT	For TWDB use only Well No.____ Form GW 53 received____ Form GW 54 received____

1) Well Owner: City of West University Place (Name) 3800 University Blvd (Street or RFD) Houston (City) Texas (State) 77005

2) Landowner: Same (Name) ____ (Street or RFD) ____ (City) ____ (State)

3) Intended Use: Industrial ☐; Municipal ☒; Irrigation ☐; Domestic ☐; Stock ☐; Other____

4) Location Of Well: County Harris Labor____ League____ Abstract No.____

NW¼ NE¼ SW¼ SE¼ of Section____ Block No.____ Survey____
(Circle as many as known)

See attached map USGS No. 65-24-223

____ miles in ____ (NE, SW, etc.) direction from ____ (Town). Use reverse side to sketch map of well location showing distances from adjacent section or survey lines, or to landmarks, roads, and creeks.

C~~OMPLETION AND~~ PLUGGING DATA

5) Driller Layne Texas Co Registration Number 24 Address P.O. Box 5466 Houston Texas 77012

6) Party ~~Completing Or~~ Plugging Well Same Registration Number____ Address____

7) Drilled ~~August 2 Jan~~ 1937 19__; Dug ☐; Cable Tool ☐; Rotary ☒; Other____ Owners Well Number 3

8) Diameter Of Hole 18 inches, from 0 to 623 feet, and 30 inches, from 623 to 764 feet; Total depth 764 feet.

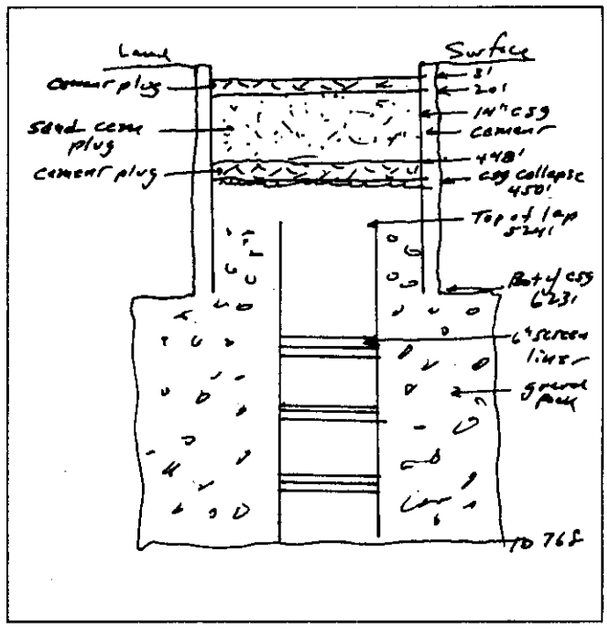
9) Casing and Cement:

Diameter (inches)	Set in Well		Left in Well		Cement Baskets or Packers, Depth (feet)	Cement	
	From (feet)	To (feet)	From (feet)	To (feet)		From (feet)	To (feet)
18	0	623	0	623			
30	623	764	623	764			

10) Well Log: All measurments made from____ feet above ground level.

From (ft.)	To (ft.)	Description and color of formation material

11) Sketch Of Well: Show method of ~~completion and/or~~ plugging including all casing and cemented intervals.



12) Fresh Water-Bearing Zone(s): Depth in feet to top of 632-764, Thickness 136 feet.

13) Undesirable Water-Bearing Zone(s): Depth in feet to top of None, Thickness____ feet.

14) Static Water Level(s)____ feet below land surface. Was the water level messured after penetrating the first water-bearing zone ☐, or after drilling to total depth ☐? Check applicable box(s).

15) Describe in detail the type, volume and manner of placement of all cement. Indicate depth to top of cement behind each casing string. Describe and give percent of all cement additives: Casing collapsed at 450'. Remainder plugged with 12 yds of sand and 10 Sks of cement from 448' to 20' and 4 Sks of cement from 20' to 3' below land surface. 2' cement plug @ 450'-448'

450-448' 2 Sks cem
448-20' 12 yds Sd & 10 Sks Cem
20'-3' 4 Sks cem

16) Was undesirable water exclusion or retention or plugging program checked for sdequacy? None
If so describe method(s) used.____

17) Attach electrical, gamma ray or other mechanical log(s), water analyses, and other pertinent data if available.

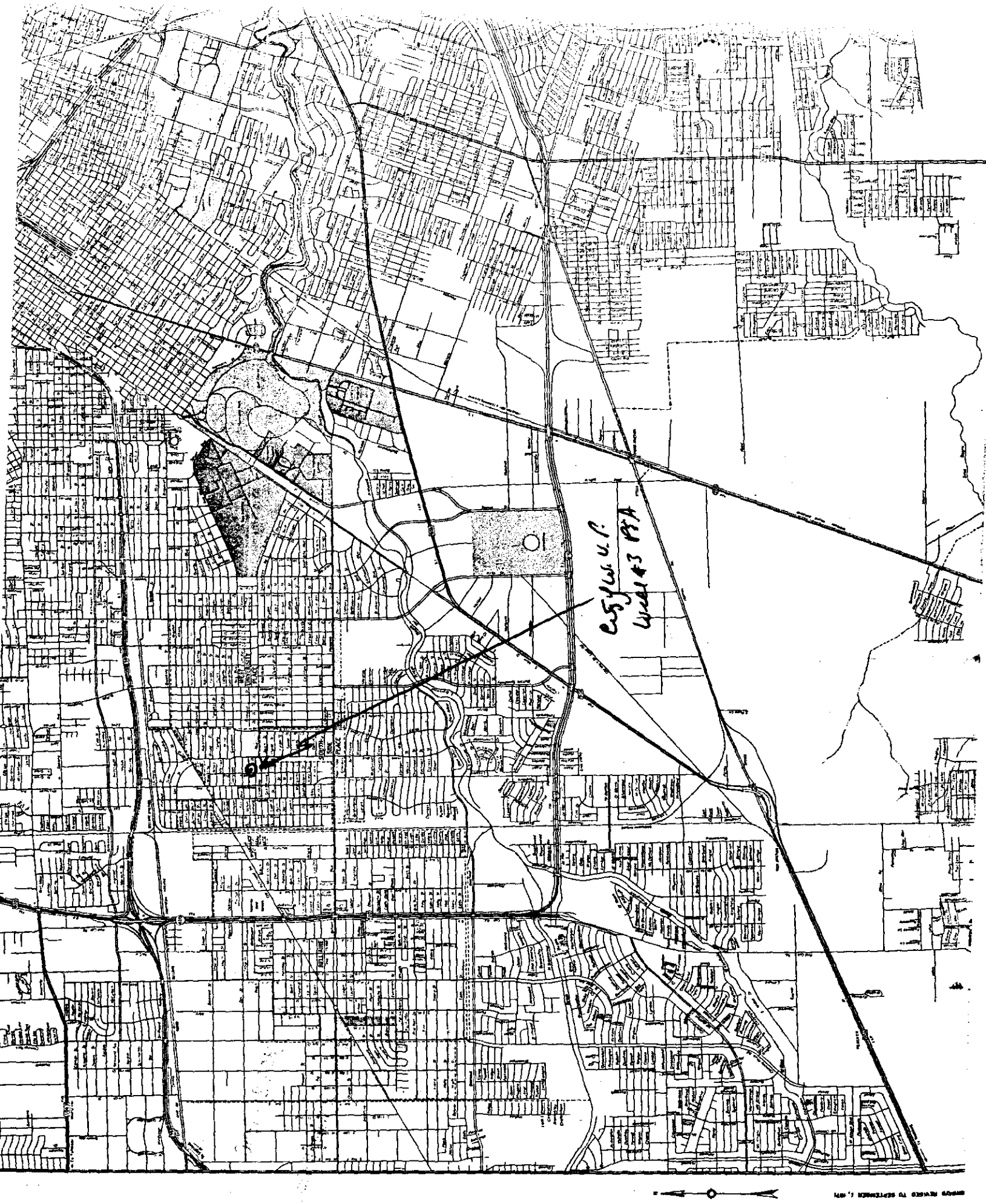
VALIDATION

18) We, the party performing the undesirable water exclusion ☐ retention ☐ plugging ☒ (Check applicable box) operations, ____, and the landowner or party having well drilled, deepened or otherwise altered, ____, certify that the undesirable water exclusion or retention or plugging operations were performed in the manner described above.

Leland Lawson #24
Leland Lawson Reg No 24
Layne Texas Co

2017

TWDBE-GW-55



Cogy W. U.P.
Well #3 PSA

TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Evangeline Project No. _____ State Well No. 65-21-225

_____ Field No./Owner's Well No. _____ County Harris

1. Location: ___ ¼, ___ ¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: City of Southside Place Address: _____

Tenant (other): _____ Address: _____

Driller: Texas Water Wells Address: _____

3. Land Surface Elevation: 56 ft. above msl determined by _____

4. Drilled: 9 1969; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 998 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type Sub

No. Stages _____, Bowls Diam. _____ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel Elec HP. 100

9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. _____ Date _____

10. Performance Test: Date 8/18/69 Length of Test _____ Made by TWW

Static Level 282 ft. Pumping Level _____ ft. Drawdown 25 ft.

Production 457 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS _____ Sp Cond _____

Date _____ Laboratory _____ TDS _____ Sp Cond _____

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) Q 1475 (type)

CASING, BLANK PIPE & WELL SCREEN
Cemented From _____ ft. to _____ ft.

Diam. (in.)	Type	Setting (feet) from	Setting (feet) to
12			600
8			998

13. Water Level(s): _____ ft. rept. meas. _____ 19___ above below _____ which is ___ ft. above below Land Surface

_____ ft. rept. meas. _____ 19___ above below _____ which is ___ ft. above below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

17. Location or Sketch:

TDWR-0308

2019

W/L Obs. Well ___ W/Q Obs. Well

State Well No. 65-21-225

Q 1475

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-223

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521223
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.715834
Latitude (degrees minutes seconds)	29° 42' 57" N
Longitude (decimal degrees)	-95.439167
Longitude (degrees minutes seconds)	095° 26' 21" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	768
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1938
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	89 ft of screen between 632 and 756 ft. Reported yield 530 gpm with 73 ft drawdown when drilled. Well 3.

Casing - No Data

Well Tests - No Data

Lithology - No Data

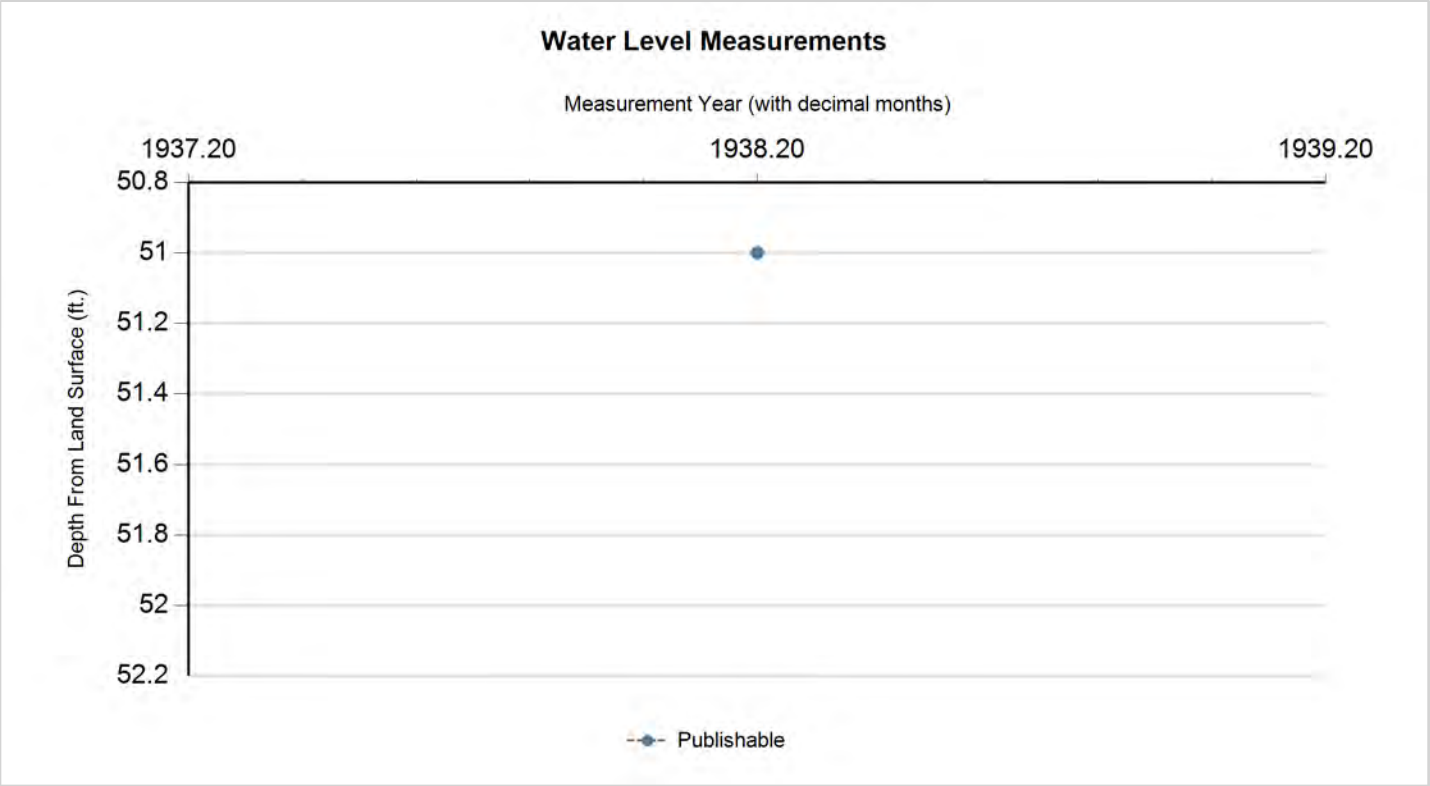
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/13/1938		51		4	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 9/17/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		217.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		265	mg/L	
00910	CALCIUM (MG/L)		18	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		66	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.03		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		5.27		
00932	SODIUM, CALCULATED, PERCENT		76	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		98	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		547	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		315	mg/L	

Water Quality Analysis

Sample Date: 4/20/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		188.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		230	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		463	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-224

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521224
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.716389
Latitude (degrees minutes seconds)	29° 42' 59" N
Longitude (decimal degrees)	-95.438889
Longitude (degrees minutes seconds)	095° 26' 20" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1282
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	153 ft of screen between 944 and 1169 ft. Reported yield 1510 gpm when drilled. Well 4.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

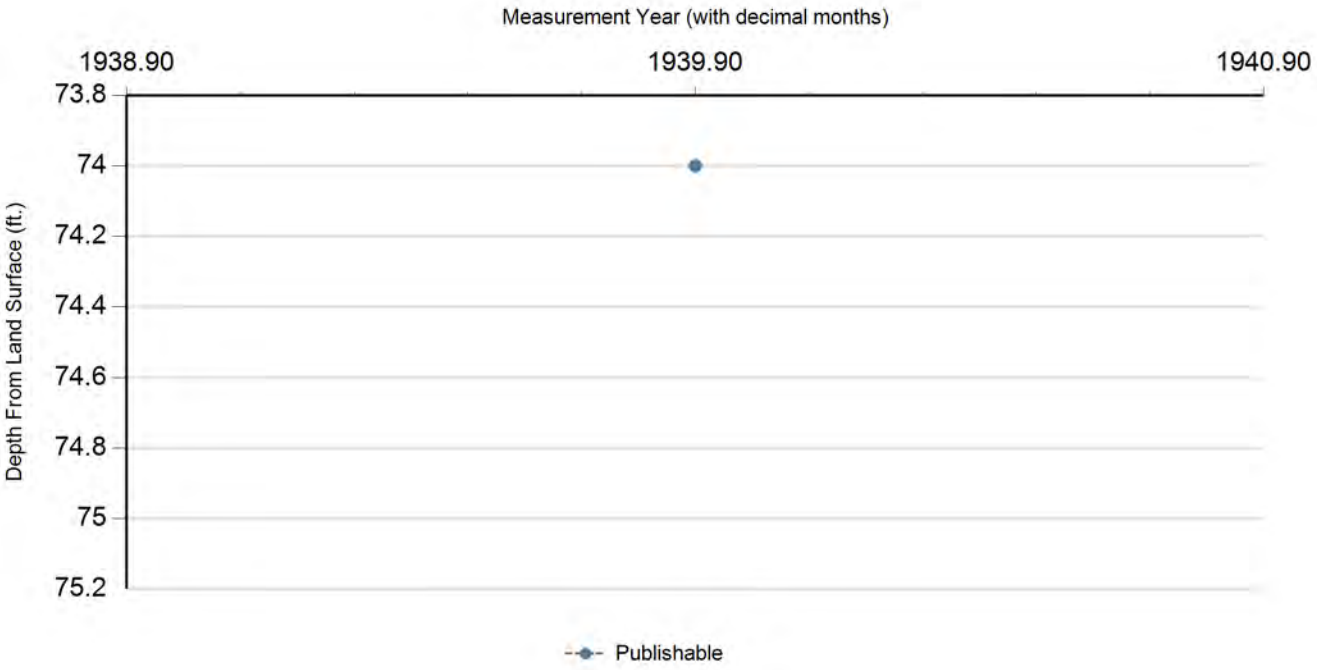
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/28/1939		74		-19	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 9/16/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		217.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		265	mg/L	
00910	CALCIUM (MG/L)		22	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		62	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		17	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.3		
00932	SODIUM, CALCULATED, PERCENT		39	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		93	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		550	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		371	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-224

Water Quality Analysis

Sample Date: 3/12/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 65-21-2A
Located on map yes
Received: 70
dlc

1) OWNER:
Person having well drilled City of Southside Place (Name) Address Houston, Texas (Street or RFD) (City) (State)

Landowner City of Southside Place (Name) Address Houston, Texas (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Harris, _____ miles in So. West (N.E., S.W., etc.) direction from _____ (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.*

South West part of Houston
Corner of West University and Edloe Street

North

(Use reverse side if necessary)

or

Give legal location with distances and directions from adjacent sections or survey lines.

Labor _____ League _____
Block _____ Survey _____
Abstract No. _____
(NW¼ NE¼ SW¼ SE¼) of Section _____

3) TYPE OF WORK (Check): New Well X, Deepening, Reconditioning, Plugging

4) PROPOSED USE (Check): Domestic, Industrial, Municipal X, Irrigation, Test Well, Other

5) TYPE OF WELL (Check): Rotary X, Driven, Dug, Cable, Jetted, Bored

6) WELL LOG:
Diameter of hole 14 in. Depth drilled 1000 ft. Depth of completed well 998 ft. Date drilled Sept. 69
All measurements made from 4 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	40	Surface Sand Clay
40	50	Sand
50	60	White Clay
60	70	Sand
70n	140	Red Clay
140	240	Clay
240	285	Sand
285	300	Clay
300	325	Sand
325	355	Clay
355	405	Sand-Boulders

(Use reverse side if necessary) OVER.

9) Casing:
Type: Old, New X, Steel X, Plastic, Other
Cemented from 0 ft. to 600 ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
8-5/8"	500	614	Blank
8-5/8"	638	670	Blank
8-5/8"	688	694	Blank

10) SCREEN:
Type S.S. Rib Type
Perforated, Slotted X

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot Size
8"	614	638	.035
8"	670	688	.035
8"	694	710	.035

7) COMPLETION (Check):
Straight wall, Gravel packed X, Other
Under reamed X, Open Role

8) WATER LEVEL:
Static level 282 ft. below land surface- Date 8/18/69
Artesian pressure _____ lbs. per square inch Date _____
Depth to pump bowls, cylinder, jet, etc., _____ ft. below land surface.

11) WELL TESTS:
Was a pump test made? Yes X No If yes, by whom? Texas WaterWells, Inc.
Yield: 457 gpm with 25 ft. drawdown after 2 hrs.
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Artesian flow _____ gpm
Temperature of water _____

12) WATER QUALITY:
Was a chemical analysis made? Yes X No
Did any strata contain undesirable water? Yes No X
Type of water? _____ depth of strata _____

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME A. E. Fawcett, Jr. (Type or Print) Water Well Drillers Registration No. 82

ADDRESS 3611 N. McCarty (Street or RFD) Houston, (City) Texas 77029 (State)

(Signed) A. E. Fawcett Jr. (Water Well Driller) Texas Water Wells, Inc. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

65-21-225

*Additional instructions on reverse side.

TWDBE-GM-53

GM
Q-1475

2)LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

When giving a legal description include a sketch showing location of the well within the described area, e.g. survey abstract.

Information furnished in Section 2) of the TWDBE-GW-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

6) WELL LOG:

From (ft.)	To (ft.)	Description and color of formation material
405	420	Clay
420	510	Sand - Boulder
510	515	Gumbo
515	545	Sand - Boulder
545	560	Gumbo w/Sand Streaks
560	640	Sand-Boulders
640	646	Gumbo
646	665	Hard Sand
665	689	Hard Sandy Shale
689	695	Gumbo - Boulders
695	715	Hard Sand
715	750	Sand
750	800	Sandy Shale w/Boulders
800	860	Gumbo
860	887	Sand
887	912	Gumbo
912	945	Sand
945	952	Gumbo
952	990	Sand
990	1000	Gumbo

10) CASING:

Diameter (inches)	Setting From (ft.)	To (ft.)	Gage
8-5/8"	710	718	Blank
8-5/8"	752	860	Blank
8-5/8"	887	920	Blank
8-5/8"	945	968	Blank
8-5/8"	988	998	Blank

SCREEN:

Diameter (inches)	Setting From (ft.)	To (ft.)	Slot Size
8"	718	752	.035
8"	860	887	.035
8"	920	945	.035
8"	968	988	.050

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Texas Water
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1970
TEXAS WATER
DEVELOPMENT BOARD

65-21-225

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-225

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521225
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.714167
Latitude (degrees minutes seconds)	29° 42' 51" N
Longitude (decimal degrees)	-95.433889
Longitude (degrees minutes seconds)	095° 26' 02" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	998
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	8/18/1969
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Southside Place
Driller	Texas Water Wells
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/3/1997
Last Update Date	10/3/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-226

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by: RS SONENSHEIN — Source of data: OBS & DRILLER — Date: 2-13-80 — Map: BELLAIRE, TEX 1967 1:24,000

State: TEXAS [4 8] — County (or town): HARRIS [L J]

Latitude: 2 9 4 3 3 8 N (deg, min, sec) — Longitude: 0 9 5 2 7 0 4 (degrees, min, sec.) — Sequential number: 2

Lat-long accuracy: 1 — T ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼ ___ B & M

Local well number: LJ-65-21-226 — Other number: SOUTHWEST NO. 1 EXTENSOME

Local use: — Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

Owner or name: HGCSD — Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — S

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. — Ø

DATA AVAILABLE: Well data 2 — Freq. W/L meas.: MONTHLY [M] — Field aquifer char. T

Hyd. lab. data:

Qual. water data; type: partial — P

Freq. sampling: ORIGINAL [Ø] — Pumpage inventory: yes (no) period:

Aperture cards: yes

Log data: DRILLER'S, CALIPER, INDUCTION ELECTRIC, MICRO ELECTRIC, SONIC, GAMMA, DENSITY, NEUTRON [Y S]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 2358 ft [2 3 5 8] — Meas. rept accuracy: 4

Depth cased: (first perf.) 2316 ft [2 3 1 6] — Casing type: steel; Diam. 5½ in [5]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: FEB 1980 [9 8 0] — Pump intake setting: NONE ft

Driller: LAYNE TEXAS Co. (name), HOUSTON, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — N — Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. — Trans. or meter no.

Descrip. MP: plug in 5½" csng +2.2 ft above/below LSD, Alt. MP

Alt. LSD: 64 [6 4] — Accuracy: (source) 5' TOPO — 3

Water Level: 302.95 ft above/below MP; Ft above/below LSD [3 0 3] — Accuracy: steel tape — A

Date meas: 3/12/80 [3 8 0] — Yield: 7.5 gpm [8] — Method determined 1

Drawdown: ft — Accuracy: — Pumping period hrs

QUALITY OF WATER DATA: Iron ppm — PH 8.6 ppm [9] — Chloride ppm — HCO3 Hard. 130 ppm [4]

Sp. Conduct 4160 K x 10^6 [6] — Temp. 77 °F [7 7] — Date sampled 2-13-80 [2 8 0]

Taste, color, etc.

Well No.

Well No. LJ-65-21-226

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN [03] (20–21) Section: WEST GULF

[F] (22) Drainage Basin: [51L] (23–25) Subbasin: [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [F] (27)

MAJOR AQUIFER: ____ system, ____ series [TF] (28–29) EVANGELINE aquifer, formation, group [E] (30–31)

Lithology: [S] (32–33) Origin: [3] (34) Aquifer Thickness: 27 ft

[27] (35–37) Length of well open to: 20 ft [20] (38–40) Depth to top of: 2307 ft [331] (41–43)

MINOR AQUIFER: ____ system, ____ series [ ] (44–45) aquifer, formation, group [ ] (46–47)

Lithology: [ ] (48–49) Origin: [ ] (50) Aquifer Thickness: ____ ft

[ ] (51–53) Length of well open to: ____ ft [ ] (54–56) Depth to top of: ____ ft [ ] (57–59)

Intervals Screened: 2316 - 2336 SSWD BARLUG NO. 12 GAUGE 5½" OD

Depth to consolidated rock: ____ ft [ ] (60–63) Source of data: ____ [ ] (64)

Depth to basement: ____ ft [ ] (65–68) Source of data: ____ [ ] (69)

Surficial material: ____ [ ] (70–71) Infiltration characteristics: ____ [ ] (72)

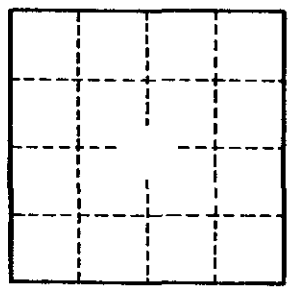
Coefficient Trans: 17 gpd/ft [170] (73–75) Coefficient Storage: ____ [ ] (76–78)

Coefficient Perm: ____ gpd/ft²; Spec cap: ____ gpm/ft; Number of geologic cards: [ ] (79)

sample for water quality obtained by jetting with air

initial hole drilled & logged to depth of 2440 - Filled in bottom hole with cement plug to 2358

5½" csng to 2358 with slip joint from 2341 to 2349.5



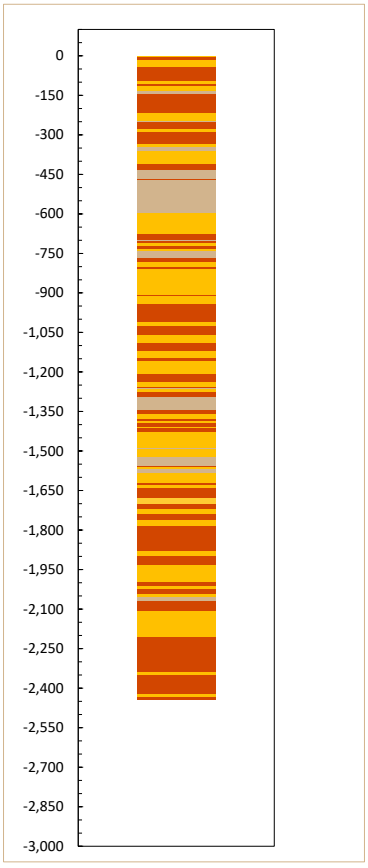
Well No.

GPO 857-700

Southwest

ID 6521226 LS 54

Top	Bot	desc	Thick	TopAlt	BotAlt	Lith
0	3	surface	-3	54	51	
3	18	clay	-15	51	36	
18	42	mixed	-24	36	12	
42	95	clay	-53	12	-41	
95	109	sandy clay	-14	-41	-55	
109	113	clay	-4	-55	-59	
113	135	sandy clay	-22	-59	-81	
135	146	sand	-11	-81	-92	
146	219	clay	-73	-92	-165	
219	249	sandy clay	-30	-165	-195	
249	252	sand	-3	-195	-198	
252	278	clay	-26	-198	-224	
278	291	sandy clay	-13	-224	-237	
291	334	clay	-43	-237	-280	
334	345	sandy clay	-11	-280	-291	
345	363	sand	-18	-291	-309	
363	412	mixed	-49	-309	-358	
412	433	clay	-21	-358	-379	
433	469	sand	-36	-379	-415	
469	473	clay	-4	-415	-419	
473	597	sand	-124	-419	-543	
597	675	sandy clay	-78	-543	-621	
675	700	clay	-25	-621	-646	
700	705	sand	-5	-646	-651	
705	712	clay	-7	-651	-658	
712	724	sandy clay	-12	-658	-670	
724	736	clay	-12	-670	-682	
736	742	sandy clay	-6	-682	-688	
742	767	sand	-25	-688	-713	
767	784	clay	-17	-713	-730	
784	794	sandy clay	-10	-730	-740	
794	805	mixed	-11	-740	-751	
805	809	clay	-4	-751	-755	
809	908	sandy clay	-99	-755	-854	
908	913	clay	-5	-854	-859	
913	944	mixed	-31	-859	-890	
944	1011	clay	-67	-890	-957	
1011	1024	mixed	-13	-957	-970	
1024	1061	clay	-37	-970	-1007	
1061	1090	mixed	-29	-1007	-1036	
1090	1120	clay	-30	-1036	-1066	
1120	1149	mixed	-29	-1066	-1095	
1149	1160	clay	-11	-1095	-1106	
1160	1210	mixed	-50	-1106	-1156	
1210	1240	clay	-30	-1156	-1186	
1240	1257	sandy clay	-17	-1186	-1203	
1257	1262	clay	-5	-1203	-1208	
1262	1267	sand	-5	-1208	-1213	
1267	1276	sandy clay	-9	-1213	-1222	
1276	1297	clay	-21	-1222	-1243	
1297	1344	sandy clay	-47	-1243	-1290	
1344	1359	clay	-15	-1290	-1305	
1359	1377	sandy clay	-18	-1305	-1323	
1377	1388	clay	-11	-1323	-1334	
1388	1395	sandy clay	-7	-1334	-1341	
1395	1410	clay	-15	-1341	-1356	
1410	1415	sandy clay	-5	-1356	-1361	
1415	1430	clay	-15	-1361	-1376	
1430	1490	sandy clay	-60	-1376	-1436	
1490	1494	sand	-4	-1436	-1440	
1494	1524	sandy clay	-30	-1440	-1470	
1524	1556	sand	-32	-1470	-1502	
1556	1563	clay	-7	-1502	-1509	
1563	1569	sandy clay	-6	-1509	-1515	
1569	1584	sand	-15	-1515	-1530	
1584	1622	sandy clay	-38	-1530	-1568	
1622	1630	clay	-8	-1568	-1576	
1630	1641	sandy clay	-11	-1576	-1587	
1641	1679	clay	-38	-1587	-1625	
1679	1701	sandy clay	-22	-1625	-1647	
1701	1722	clay	-21	-1647	-1668	
1722	1741	sandy clay	-19	-1668	-1687	
1741	1762	clay	-21	-1687	-1708	
1762	1783	sandy clay	-21	-1708	-1729	
1783	1881	clay	-98	-1729	-1827	
1881	1900	sandy clay	-19	-1827	-1846	
1900	1934	clay	-34	-1846	-1880	
1934	1939	mixed	-5	-1880	-1885	
1939	2002	sandy clay	-63	-1885	-1948	
2002	2017	clay	-15	-1948	-1963	
2017	2031	sandy clay	-14	-1963	-1977	
2031	2048	clay	-17	-1977	-1994	
2048	2058	sandy clay	-10	-1994	-2004	
2058	2073	gravel	-15	-2004	-2019	
2073	2114	clay	-41	-2019	-2060	
2114	2213	sandy clay	-99	-2060	-2159	
2213	2345	clay	-132	-2159	-2291	
2345	2356	sandy clay	-11	-2291	-2302	
2356	2427	clay	-71	-2302	-2373	
2427	2440	sandy clay	-13	-2373	-2386	
2440	2450	clay	-10	-2386	-2396	



Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-226

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521226
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.726944
Latitude (degrees minutes seconds)	29° 43' 37" N
Longitude (decimal degrees)	-95.450834
Longitude (degrees minutes seconds)	095° 27' 03" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	61
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	2358
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	Other Cooperator Recorder Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Subsidence District
Driller	Layne Texas
Other Data Available	Electric Log; Gamma Ray; Induction; Neutron; Radioactive Tracer; Sonic
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294338095270402
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	Southwest Monitor No. 1
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/6/2014
Last Update Date	2/6/2014

Remarks	Owner Coastal Susidence District Southwest, well #1. USGS Recorder Well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
6	Blank					
	Screen				2316	2336

Well Tests - No Data

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	3	surface
3	18	clay
18	42	mixed
42	95	clay
95	109	sandy clay
109	113	clay

113	135	sandy clay
135	146	sand
146	219	clay
219	249	sandy clay
249	252	sand
252	278	clay
278	291	sandy clay
291	334	clay
334	345	sandy clay
345	363	sand
363	412	mixed
412	433	clay
433	469	sand
469	473	clay
473	597	sand
597	675	sandy clay
675	700	clay
700	705	sand
705	712	clay
712	724	sandy clay
724	736	clay
736	742	sandy clay
742	767	sand
767	784	clay
784	794	sandy clay
794	805	mixed
805	809	clay
809	908	sandy clay
908	913	clay
913	944	mixed
944	1011	clay
1011	1024	mixed
1024	1061	clay
1061	1090	mixed
1090	1120	clay
1120	1149	mixed
1149	1160	clay
1160	1210	mixed
1210	1240	clay
1240	1257	sandy clay
1257	1262	clay
1262	1267	sand
1267	1276	sandy clay
1276	1297	clay
1297	1344	sandy clay

1344	1359	clay
1359	1377	sandy clay
1377	1388	clay
1388	1395	sandy clay
1395	1410	clay
1410	1415	sandy clay
1415	1430	clay
1430	1490	sandy clay
1490	1494	sand
1494	1524	sandy clay
1524	1556	sand
1556	1563	clay
1563	1569	sandy clay
1569	1584	sand
1584	1622	sandy clay
1622	1630	clay
1630	1641	sandy clay
1641	1679	clay
1679	1701	sandy clay
1701	1722	clay
1722	1741	sandy clay
1741	1762	clay
1762	1783	sandy clay
1783	1881	clay
1881	1900	sandy clay
1900	1934	clay
1934	1939	mixed
1939	2002	sandy clay
2002	2017	clay
2017	2031	sandy clay
2031	2048	clay
2048	2058	sandy clay
2058	2073	gravel
2073	2114	clay
2114	2213	sandy clay
2213	2345	clay
2345	2356	sandy clay
2356	2427	clay
2427	2440	sandy clay
2440	2450	clay

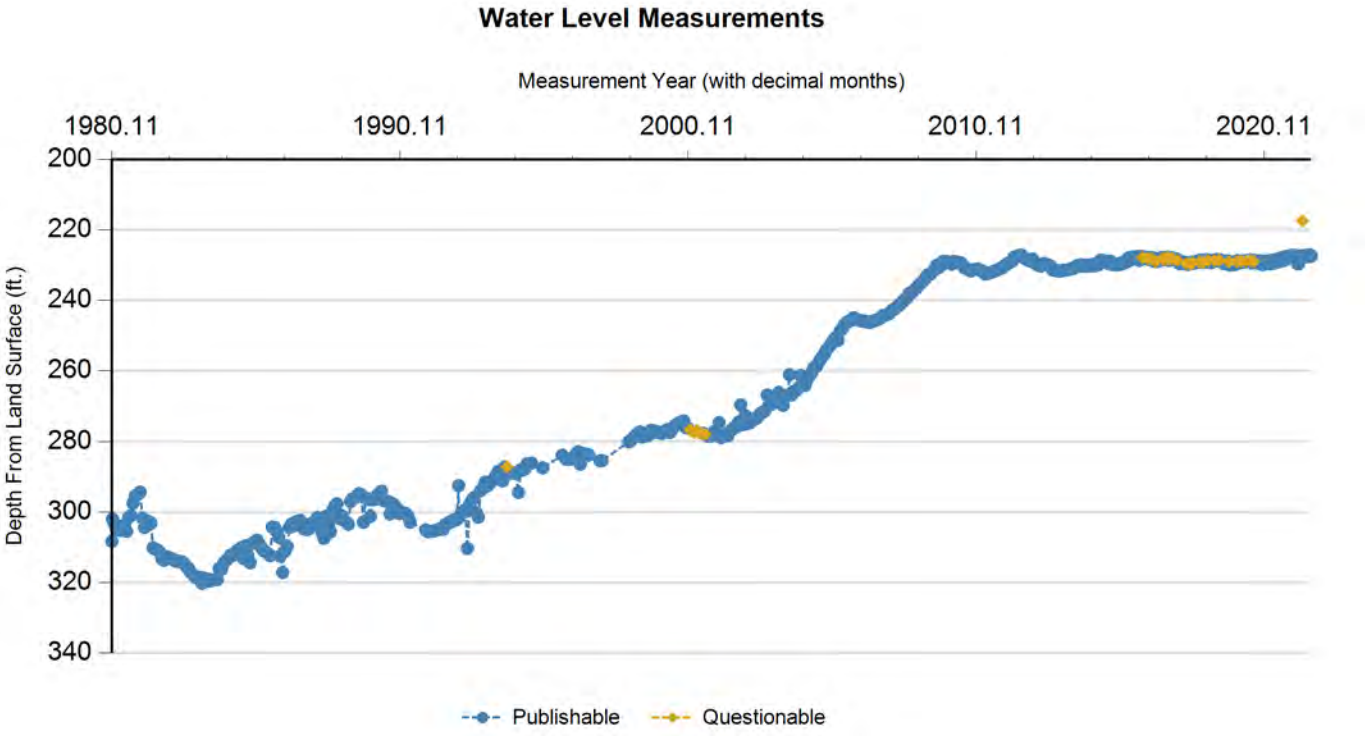
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/13/1980		308.28		-247.28	1	U.S. Geological Survey	Steel Tape		
P	2/21/1980		301.91	(6.37)	-240.91	1	U.S. Geological Survey	Steel Tape		
P	3/12/1980		303.15	1.24	-242.15	1	U.S. Geological Survey	Steel Tape		
P	3/12/1980		302.95	(0.20)	-241.95	2	Registered Water Well Driller	Unknown		
P	4/10/1980		304.77	1.82	-243.77	1	U.S. Geological Survey	Steel Tape		
P	5/6/1980		305.07	0.30	-244.07	1	U.S. Geological Survey	Steel Tape		
P	5/28/1980		305.16	0.09	-244.16	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		303.89	(1.27)	-242.89	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		304.1	0.21	-243.1	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		305.42	1.32	-244.42	1	U.S. Geological Survey	Steel Tape		
P	9/16/1980		301.45	(3.97)	-240.45	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		300.97	(0.48)	-239.97	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		297.47	(3.50)	-236.47	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		295.37	(2.10)	-234.37	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		294.91	(0.46)	-233.91	1	U.S. Geological Survey	Steel Tape		
P	2/5/1981		294.3	(0.61)	-233.3	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		301.65	7.35	-240.65	1	U.S. Geological Survey	Steel Tape		
P	3/31/1981		304.35	2.70	-243.35	1	U.S. Geological Survey	Steel Tape		
P	4/28/1981		302.43	(1.92)	-241.43	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		302.71	0.28	-241.71	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		303.06	0.35	-242.06	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/20/1981		310.08	7.02	-249.08	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		310.44	0.36	-249.44	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		310.72	0.28	-249.72	1	U.S. Geological Survey	Steel Tape		
P	10/13/1981		311.32	0.60	-250.32	1	U.S. Geological Survey	Steel Tape		
P	11/13/1981		313.23	1.91	-252.23	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		313.64	0.41	-252.64	1	U.S. Geological Survey	Steel Tape		
P	1/6/1982		312.61	(1.03)	-251.61	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		312.85	0.24	-251.85	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		313.14	0.29	-252.14	1	U.S. Geological Survey	Steel Tape		
P	3/30/1982		313.42	0.28	-252.42	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		313.88	0.46	-252.88	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		313.94	0.06	-252.94	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		313.92	(0.02)	-252.92	1	U.S. Geological Survey	Steel Tape		
P	7/20/1982		314.05	0.13	-253.05	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		314.57	0.52	-253.57	1	U.S. Geological Survey	Steel Tape		
P	9/14/1982		315.39	0.82	-254.39	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		315.94	0.55	-254.94	1	U.S. Geological Survey	Steel Tape		
P	11/9/1982		317.02	1.08	-256.02	1	U.S. Geological Survey	Steel Tape		
P	12/7/1982		317.56	0.54	-256.56	1	U.S. Geological Survey	Steel Tape		
P	1/4/1983		318.48	0.92	-257.48	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		318.62	0.14	-257.62	1	U.S. Geological Survey	Steel Tape		
P	3/2/1983		318.47	(0.15)	-257.47	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		320.19	1.72	-259.19	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		318.7	(1.49)	-257.7	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		319.56	0.86	-258.56	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		319.04	(0.52)	-258.04	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		319.46	0.42	-258.46	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		319.22	(0.24)	-258.22	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		319.1	(0.12)	-258.1	1	U.S. Geological Survey	Steel Tape		
P	10/12/1983		319.11	0.01	-258.11	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		315.96	(3.15)	-254.96	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		316.25	0.29	-255.25	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		314.28	(1.97)	-253.28	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		313.69	(0.59)	-252.69	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		313.05	(0.64)	-252.05	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		312.18	(0.87)	-251.18	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		312.23	0.05	-251.23	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		312.07	(0.16)	-251.07	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		310.89	(1.18)	-249.89	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		311.96	1.07	-250.96	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		310.02	(1.94)	-249.02	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		313.12	3.10	-252.12	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/10/1984		309.5	(3.62)	-248.5	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		312.34	2.84	-251.34	1	U.S. Geological Survey	Steel Tape		
P	12/5/1984		314.35	2.01	-253.35	1	U.S. Geological Survey	Steel Tape		
P	1/2/1985		308.83	(5.52)	-247.83	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		308.37	(0.46)	-247.37	1	U.S. Geological Survey	Steel Tape		
P	2/27/1985		307.91	(0.46)	-246.91	1	U.S. Geological Survey	Steel Tape		
P	3/27/1985		309.3	1.39	-248.3	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		310.06	0.76	-249.06	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		310.94	0.88	-249.94	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		311.27	0.33	-250.27	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		311.79	0.52	-250.79	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		312.33	0.54	-251.33	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		304.22	(8.11)	-243.22	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		304.28	0.06	-243.28	1	U.S. Geological Survey	Steel Tape		
P	11/5/1985		305.41	1.13	-244.41	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		307.11	1.70	-246.11	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		312.42	5.31	-251.42	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		317.13	4.71	-256.13	1	U.S. Geological Survey	Steel Tape		
P	2/13/1986		311.08	(6.05)	-250.08	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		309.7	(1.38)	-248.7	1	U.S. Geological Survey	Unknown		
P	4/10/1986		304.3	(5.40)	-243.3	1	U.S. Geological Survey	Unknown		
P	5/9/1986		303.42	(0.88)	-242.42	1	U.S. Geological Survey	Unknown		
P	6/5/1986		303.87	0.45	-242.87	1	U.S. Geological Survey	Unknown		
P	7/3/1986		302.66	(1.21)	-241.66	1	U.S. Geological Survey	Unknown		
P	7/31/1986		303.14	0.48	-242.14	1	U.S. Geological Survey	Unknown		
P	8/28/1986		302.29	(0.85)	-241.29	1	U.S. Geological Survey	Unknown		
P	9/25/1986		304.17	1.88	-243.17	1	U.S. Geological Survey	Unknown		
P	10/22/1986		304.81	0.64	-243.81	1	U.S. Geological Survey	Unknown		
P	11/20/1986		304.92	0.11	-243.92	1	U.S. Geological Survey	Unknown		
P	12/17/1986		304.73	(0.19)	-243.73	1	U.S. Geological Survey	Unknown		
P	1/15/1987		303.16	(1.57)	-242.16	1	U.S. Geological Survey	Unknown		
P	2/12/1987		303.14	(0.02)	-242.14	1	U.S. Geological Survey	Unknown		
P	3/6/1987		302.87	(0.27)	-241.87	1	U.S. Geological Survey	Unknown		
P	4/2/1987		301.44	(1.43)	-240.44	1	U.S. Geological Survey	Unknown		
P	4/30/1987		303.61	2.17	-242.61	1	U.S. Geological Survey	Unknown		
P	5/28/1987		305.8	2.19	-244.8	1	U.S. Geological Survey	Unknown		
P	6/25/1987		307.43	1.63	-246.43	1	U.S. Geological Survey	Unknown		
P	7/23/1987		301.12	(6.31)	-240.12	1	U.S. Geological Survey	Unknown		
P	8/20/1987		303.73	2.61	-242.73	1	U.S. Geological Survey	Unknown		
P	9/17/1987		305.55	1.82	-244.55	1	U.S. Geological Survey	Unknown		
P	10/16/1987		299.48	(6.07)	-238.48	1	U.S. Geological Survey	Unknown		
P	11/12/1987		298.21	(1.27)	-237.21	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/9/1987		297.61	(0.60)	-236.61	1	U.S. Geological Survey	Unknown		
P	1/7/1988		301.85	4.24	-240.85	1	U.S. Geological Survey	Unknown		
P	2/4/1988		300.94	(0.91)	-239.94	1	U.S. Geological Survey	Unknown		
P	3/3/1988		302.27	1.33	-241.27	1	U.S. Geological Survey	Unknown		
P	3/31/1988		302.78	0.51	-241.78	1	U.S. Geological Survey	Unknown		
P	4/28/1988		303.4	0.62	-242.4	1	U.S. Geological Survey	Unknown		
P	5/26/1988		296.94	(6.46)	-235.94	1	U.S. Geological Survey	Unknown		
P	6/23/1988		296.18	(0.76)	-235.18	1	U.S. Geological Survey	Unknown		
P	7/21/1988		295.91	(0.27)	-234.91	1	U.S. Geological Survey	Unknown		
P	8/18/1988		295.21	(0.70)	-234.21	1	U.S. Geological Survey	Unknown		
P	9/14/1988		294.71	(0.50)	-233.71	1	U.S. Geological Survey	Unknown		
P	10/13/1988		295.11	0.40	-234.11	1	U.S. Geological Survey	Unknown		
P	11/9/1988		302.85	7.74	-241.85	1	U.S. Geological Survey	Unknown		
P	12/8/1988		296.07	(6.78)	-235.07	1	U.S. Geological Survey	Unknown		
P	1/5/1989		296.16	0.09	-235.16	1	U.S. Geological Survey	Unknown		
P	2/2/1989		301.21	5.05	-240.21	1	U.S. Geological Survey	Unknown		
P	3/2/1989		296.49	(4.72)	-235.49	1	U.S. Geological Survey	Unknown		
P	3/29/1989		296.3	(0.19)	-235.3	1	U.S. Geological Survey	Unknown		
P	4/27/1989		295.26	(1.04)	-234.26	1	U.S. Geological Survey	Unknown		
P	5/25/1989		294.58	(0.68)	-233.58	1	U.S. Geological Survey	Unknown		
P	6/22/1989		294.02	(0.56)	-233.02	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		296.73	2.71	-235.73	1	U.S. Geological Survey	Unknown		
P	8/17/1989		296.79	0.06	-235.79	1	U.S. Geological Survey	Unknown		
P	9/14/1989		296.94	0.15	-235.94	1	U.S. Geological Survey	Unknown		
P	10/12/1989		300.48	3.54	-239.48	1	U.S. Geological Survey	Unknown		
P	11/8/1989		297.57	(2.91)	-236.57	1	U.S. Geological Survey	Unknown		
P	12/7/1989		298.01	0.44	-237.01	1	U.S. Geological Survey	Unknown		
P	1/5/1990		299.08	1.07	-238.08	1	U.S. Geological Survey	Steel Tape		
P	2/1/1990		300.37	1.29	-239.37	1	U.S. Geological Survey	Steel Tape		
P	3/2/1990		299.92	(0.45)	-238.92	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		300.35	0.43	-239.35	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		301.22	0.87	-240.22	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		302.86	1.64	-241.86	1	U.S. Geological Survey	Steel Tape		
P	1/3/1991		304.99	2.13	-243.99	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		305.53	0.54	-244.53	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		305.44	(0.09)	-244.44	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		305.34	(0.10)	-244.34	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		305.29	(0.05)	-244.29	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		305.02	(0.27)	-244.02	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		304.84	(0.18)	-243.84	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		304.64	(0.20)	-243.64	1	U.S. Geological Survey	Steel Tape		
P	8/15/1991		304.86	0.22	-243.86	1	U.S. Geological Survey	Steel Tape		

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P	9/13/1991		303.47	(1.39)	-242.47	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		303.35	(0.12)	-242.35	1	U.S. Geological Survey	Steel Tape		
P	11/7/1991		302.72	(0.63)	-241.72	1	U.S. Geological Survey	Steel Tape		
P	12/6/1991		302.66	(0.06)	-241.66	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		302.09	(0.57)	-241.09	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		302.13	0.04	-241.13	1	U.S. Geological Survey	Steel Tape		
P	2/26/1992		292.45	(9.68)	-231.45	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		301.68	9.23	-240.68	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		300.35	(1.33)	-239.35	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		300.02	(0.33)	-239.02	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		299.21	(0.81)	-238.21	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		310.27	11.06	-249.27	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		297.72	(12.55)	-236.72	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		296.56	(1.16)	-235.56	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		295.88	(0.68)	-234.88	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		300.09	4.21	-239.09	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		301.43	1.34	-240.43	1	U.S. Geological Survey	Steel Tape		
P	12/3/1992		293.87	(7.56)	-232.87	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		293.35	(0.52)	-232.35	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		291.42	(1.93)	-230.42	1	U.S. Geological Survey	Steel Tape		
P	2/26/1993		292.45	1.03	-231.45	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		291.77	(0.68)	-230.77	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		291.07	(0.70)	-230.07	1	U.S. Geological Survey	Steel Tape		
P	5/20/1993		290.52	(0.55)	-229.52	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		289.35	(1.17)	-228.35	1	U.S. Geological Survey	Steel Tape		
P	7/16/1993		288.33	(1.02)	-227.33	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		288.4	0.07	-227.4	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		291.08	2.68	-230.08	1	U.S. Geological Survey	Steel Tape		
P	10/7/1993		287.15	(3.93)	-226.15	1	U.S. Geological Survey	Steel Tape		
Q	11/5/1993		287.13	(0.02)	-226.13	1	U.S. Geological Survey	Steel Tape	3	
P	12/29/1993		288.89	1.76	-227.89	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		288.76	(0.13)	-227.76	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		288.97	0.21	-227.97	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		294.39	5.42	-233.39	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		287.96	(6.43)	-226.96	1	U.S. Geological Survey	Steel Tape		
P	5/19/1994		288.05	0.09	-227.05	1	U.S. Geological Survey	Steel Tape		
P	6/17/1994		287.59	(0.46)	-226.59	1	U.S. Geological Survey	Steel Tape		
P	7/13/1994		286.24	(1.35)	-225.24	1	U.S. Geological Survey	Steel Tape		
P	8/11/1994		286.25	0.01	-225.25	1	U.S. Geological Survey	Steel Tape		
P	9/8/1994		286.04	(0.21)	-225.04	1	U.S. Geological Survey	Steel Tape		
P	1/26/1995		287.39	1.35	-226.39	1	U.S. Geological Survey	Steel Tape		
P	10/4/1995		283.8	(3.59)	-222.8	1	U.S. Geological Survey	Steel Tape		

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P	11/21/1995		284.91	1.11	-223.91	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		284.98	0.07	-223.98	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		284.88	(0.10)	-223.88	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		284.88	0.00	-223.88	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		284.6	(0.28)	-223.6	1	U.S. Geological Survey	Steel Tape		
P	3/21/1996		283.51	(1.09)	-222.51	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		282.81	(0.70)	-221.81	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		286.38	3.57	-225.38	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		283.56	(2.82)	-222.56	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		283.34	(0.22)	-222.34	1	U.S. Geological Survey	Steel Tape		
P	8/8/1996		283.57	0.23	-222.57	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		283.77	0.20	-222.77	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		285.38	1.61	-224.38	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		285.32	(0.06)	-224.32	1	U.S. Geological Survey	Steel Tape		
P	1/21/1998		280.01	(5.31)	-219.01	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		279.62	(0.39)	-218.62	1	U.S. Geological Survey	Steel Tape		
P	3/18/1998		278.88	(0.74)	-217.88	1	U.S. Geological Survey	Steel Tape		
P	4/14/1998		278.28	(0.60)	-217.28	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		277.73	(0.55)	-216.73	1	U.S. Geological Survey	Steel Tape		
P	6/11/1998		277.17	(0.56)	-216.17	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		278.64	1.47	-217.64	1	U.S. Geological Survey	Steel Tape		
P	8/6/1998		278.41	(0.23)	-217.41	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		278.36	(0.05)	-217.36	1	U.S. Geological Survey	Steel Tape		
P	10/2/1998		278.09	(0.27)	-217.09	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		276.72	(1.37)	-215.72	1	U.S. Geological Survey	Steel Tape		
P	11/25/1998		276.99	0.27	-215.99	1	U.S. Geological Survey	Steel Tape		
P	12/17/1998		276.92	(0.07)	-215.92	1	U.S. Geological Survey	Steel Tape		
P	1/16/1999		277.29	0.37	-216.29	1	U.S. Geological Survey	Unknown		
P	2/11/1999		277.45	0.16	-216.45	1	U.S. Geological Survey	Unknown		
P	3/15/1999		277.65	0.20	-216.65	1	U.S. Geological Survey	Steel Tape		
P	4/9/1999		277.08	(0.57)	-216.08	1	U.S. Geological Survey	Steel Tape		
P	5/6/1999		276.73	(0.35)	-215.73	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		276.55	(0.18)	-215.55	1	U.S. Geological Survey	Steel Tape		
P	6/29/1999		277.34	0.79	-216.34	1	U.S. Geological Survey	Steel Tape		
P	7/30/1999		276.23	(1.11)	-215.23	1	U.S. Geological Survey	Steel Tape		
P	8/26/1999		275.53	(0.70)	-214.53	1	U.S. Geological Survey	Steel Tape		
P	9/23/1999		275.03	(0.50)	-214.03	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		274.61	(0.42)	-213.61	1	U.S. Geological Survey	Steel Tape		
P	11/23/1999		274.42	(0.19)	-213.42	1	U.S. Geological Survey	Steel Tape		
P	12/21/1999		274.06	(0.36)	-213.06	1	U.S. Geological Survey	Steel Tape		
P	1/11/2000		275.93	1.87	-214.93	1	U.S. Geological Survey	Steel Tape		
P	2/9/2000		276.08	0.15	-215.08	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Q	3/9/2000		276.58	0.50	-215.58	1	U.S. Geological Survey	Steel Tape	3	
Q	4/6/2000		277.23	0.65	-216.23	1	U.S. Geological Survey	Steel Tape	3	
Q	5/8/2000		277.36	0.13	-216.36	1	U.S. Geological Survey	Steel Tape	3	
Q	5/31/2000		276.77	(0.59)	-215.77	1	U.S. Geological Survey	Steel Tape	3	
Q	6/29/2000		277.38	0.61	-216.38	1	U.S. Geological Survey	Steel Tape	3	
Q	7/26/2000		277.6	0.22	-216.6	1	U.S. Geological Survey	Steel Tape	3	
P	8/25/2000		277.55	(0.05)	-216.55	1	U.S. Geological Survey	Steel Tape		
Q	9/20/2000		277.88	0.33	-216.88	1	U.S. Geological Survey	Steel Tape	3	
P	10/19/2000		278.32	0.44	-217.32	1	U.S. Geological Survey	Steel Tape		
P	11/16/2000		278.5	0.18	-217.5	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		278.21	(0.29)	-217.21	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		277.03	(1.18)	-216.03	1	U.S. Geological Survey	Steel Tape		
P	2/9/2001		277.78	0.75	-216.78	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		274.55	(3.23)	-213.55	1	U.S. Geological Survey	Steel Tape		
P	4/6/2001		278.79	4.24	-217.79	1	U.S. Geological Survey	Steel Tape		
P	5/15/2001		278.17	(0.62)	-217.17	1	U.S. Geological Survey	Steel Tape		
P	5/31/2001		277.97	(0.20)	-216.97	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		278.29	0.32	-217.29	1	U.S. Geological Survey	Steel Tape		
P	7/25/2001		277.02	(1.27)	-216.02	1	U.S. Geological Survey	Steel Tape		
P	8/22/2001		276.56	(0.46)	-215.56	1	U.S. Geological Survey	Steel Tape		
P	9/19/2001		275.96	(0.60)	-214.96	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		275.76	(0.20)	-214.76	1	U.S. Geological Survey	Steel Tape		
P	11/14/2001		274.46	(1.30)	-213.46	1	U.S. Geological Survey	Steel Tape		
P	12/14/2001		269.51	(4.95)	-208.51	1	U.S. Geological Survey	Steel Tape		
P	1/9/2002		275.12	5.61	-214.12	1	U.S. Geological Survey	Steel Tape		
P	2/8/2002		272.58	(2.54)	-211.58	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		274.83	2.25	-213.83	1	U.S. Geological Survey	Steel Tape		
P	4/4/2002		274.64	(0.19)	-213.64	1	U.S. Geological Survey	Steel Tape		
P	5/1/2002		274.02	(0.62)	-213.02	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		273.55	(0.47)	-212.55	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		273.38	(0.17)	-212.38	1	U.S. Geological Survey	Steel Tape		
P	7/25/2002		272.62	(0.76)	-211.62	1	U.S. Geological Survey	Steel Tape		
P	8/23/2002		271.99	(0.63)	-210.99	1	U.S. Geological Survey	Steel Tape		
P	9/19/2002		271.58	(0.41)	-210.58	1	U.S. Geological Survey	Steel Tape		
P	10/16/2002		271.18	(0.40)	-210.18	1	U.S. Geological Survey	Steel Tape		
P	11/14/2002		266.71	(4.47)	-205.71	1	U.S. Geological Survey	Steel Tape		
P	12/11/2002		269.44	2.73	-208.44	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		269.32	(0.12)	-208.32	1	U.S. Geological Survey	Steel Tape		
P	2/5/2003		268.56	(0.76)	-207.56	1	U.S. Geological Survey	Steel Tape		
P	3/7/2003		268.08	(0.48)	-207.08	1	U.S. Geological Survey	Steel Tape		
P	4/4/2003		265.97	(2.11)	-204.97	1	U.S. Geological Survey	Steel Tape		
P	5/1/2003		268.08	2.11	-207.08	1	U.S. Geological Survey	Steel Tape		

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P	5/30/2003		269.67	1.59	-208.67	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		266.91	(2.76)	-205.91	1	U.S. Geological Survey	Steel Tape		
P	7/23/2003		266.84	(0.07)	-205.84	1	U.S. Geological Survey	Steel Tape		
P	7/29/2003		266.79	(0.05)	-205.79	1	U.S. Geological Survey	Steel Tape		
P	8/21/2003		261.11	(5.68)	-200.11	1	U.S. Geological Survey	Steel Tape		
P	9/18/2003		266.74	5.63	-205.74	1	U.S. Geological Survey	Steel Tape		
P	9/30/2003		265.97	(0.77)	-204.97	1	U.S. Geological Survey	Steel Tape		
P	10/7/2003		265.98	0.01	-204.98	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		265.73	(0.25)	-204.73	1	U.S. Geological Survey	Steel Tape		
P	11/14/2003		265.51	(0.22)	-204.51	1	U.S. Geological Survey	Steel Tape		
P	12/10/2003		264.87	(0.64)	-203.87	1	U.S. Geological Survey	Steel Tape		
P	1/8/2004		261.35	(3.52)	-200.35	1	U.S. Geological Survey	Steel Tape		
P	2/6/2004		263.77	2.42	-202.77	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		264.01	0.24	-203.01	1	U.S. Geological Survey	Steel Tape		
P	4/1/2004		262.28	(1.73)	-201.28	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		261.43	(0.85)	-200.43	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		260.58	(0.85)	-199.58	1	U.S. Geological Survey	Steel Tape		
P	6/24/2004		259.18	(1.40)	-198.18	1	U.S. Geological Survey	Steel Tape		
P	7/21/2004		258.89	(0.29)	-197.89	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		257.92	(0.97)	-196.92	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		256.96	(0.96)	-195.96	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		256.02	(0.94)	-195.02	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		255.2	(0.82)	-194.2	1	U.S. Geological Survey	Steel Tape		
P	12/7/2004		254.07	(1.13)	-193.07	1	U.S. Geological Survey	Steel Tape		
P	1/4/2005		253.2	(0.87)	-192.2	1	U.S. Geological Survey	Steel Tape		
P	2/3/2005		252.33	(0.87)	-191.33	1	U.S. Geological Survey	Steel Tape		
P	3/1/2005		251.35	(0.98)	-190.35	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		250.53	(0.82)	-189.53	1	U.S. Geological Survey	Steel Tape		
P	4/28/2005		251.38	0.85	-190.38	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		248.67	(2.71)	-187.67	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		247.97	(0.70)	-186.97	1	U.S. Geological Survey	Steel Tape		
P	7/18/2005		246.96	(1.01)	-185.96	1	U.S. Geological Survey	Steel Tape		
P	8/17/2005		246.29	(0.67)	-185.29	1	U.S. Geological Survey	Steel Tape		
P	9/21/2005		245.85	(0.44)	-184.85	1	U.S. Geological Survey	Steel Tape		
P	10/19/2005		245.52	(0.33)	-184.52	1	U.S. Geological Survey	Steel Tape		
P	11/15/2005		244.97	(0.55)	-183.97	1	U.S. Geological Survey	Steel Tape		
P	12/13/2005		245.28	0.31	-184.28	1	U.S. Geological Survey	Steel Tape		
P	1/5/2006		245.61	0.33	-184.61	1	U.S. Geological Survey	Steel Tape		
P	2/9/2006		245.85	0.24	-184.85	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		245.84	(0.01)	-184.84	1	U.S. Geological Survey	Steel Tape		
P	4/6/2006		245.99	0.15	-184.99	1	U.S. Geological Survey	Steel Tape		
P	5/4/2006		246.22	0.23	-185.22	1	U.S. Geological Survey	Steel Tape		

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P	5/30/2006		246.29	0.07	-185.29	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		246.08	(0.21)	-185.08	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		245.81	(0.27)	-184.81	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		245.64	(0.17)	-184.64	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		245.38	(0.26)	-184.38	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		245.06	(0.32)	-184.06	1	U.S. Geological Survey	Steel Tape		
P	11/15/2006		244.39	(0.67)	-183.39	1	U.S. Geological Survey	Steel Tape		
P	1/9/2007		244.12	(0.27)	-183.12	1	U.S. Geological Survey	Steel Tape		
P	2/5/2007		243.73	(0.39)	-182.73	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		242.82	(0.91)	-181.82	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		242.61	(0.21)	-181.61	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		242.05	(0.56)	-181.05	1	U.S. Geological Survey	Steel Tape		
P	5/31/2007		241.61	(0.44)	-180.61	1	U.S. Geological Survey	Steel Tape		
P	6/4/2007		241.41	(0.20)	-180.41	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		241.05	(0.36)	-180.05	1	U.S. Geological Survey	Steel Tape		
P	7/26/2007		240.46	(0.59)	-179.46	1	U.S. Geological Survey	Steel Tape		
P	7/30/2007		240.25	(0.21)	-179.25	1	U.S. Geological Survey	Steel Tape		
P	8/24/2007		239.84	(0.41)	-178.84	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		239.3	(0.54)	-178.3	1	U.S. Geological Survey	Steel Tape		
P	10/18/2007		238.04	(1.26)	-177.04	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		237.89	(0.15)	-176.89	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		237.28	(0.61)	-176.28	1	U.S. Geological Survey	Steel Tape		
P	1/7/2008		236.7	(0.58)	-175.7	1	U.S. Geological Survey	Steel Tape		
P	2/12/2008		235.77	(0.93)	-174.77	1	U.S. Geological Survey	Steel Tape		
P	3/13/2008		235.08	(0.69)	-174.08	1	U.S. Geological Survey	Steel Tape		
P	4/15/2008		234.34	(0.74)	-173.34	1	U.S. Geological Survey	Steel Tape		
P	5/8/2008		233.78	(0.56)	-172.78	1	U.S. Geological Survey	Steel Tape		
P	6/9/2008		232.79	(0.99)	-171.79	1	U.S. Geological Survey	Steel Tape		
P	6/13/2008		232.8	0.01	-171.8	1	U.S. Geological Survey	Steel Tape		
P	7/11/2008		232.58	(0.22)	-171.58	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		231.47	(1.11)	-170.47	1	U.S. Geological Survey	Steel Tape		
P	10/2/2008		230.1	(1.37)	-169.1	1	U.S. Geological Survey	Steel Tape		
P	10/30/2008		230.68	0.58	-169.68	1	U.S. Geological Survey	Steel Tape		
P	11/26/2008		230	(0.68)	-169	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		228.98	(1.02)	-167.98	1	U.S. Geological Survey	Steel Tape		
P	1/22/2009		228.95	(0.03)	-167.95	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		229.22	0.27	-168.22	1	U.S. Geological Survey	Steel Tape		
P	4/3/2009		229.79	0.57	-168.79	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		229.01	(0.78)	-168.01	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		229.03	0.02	-168.03	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		229.24	0.21	-168.24	1	U.S. Geological Survey	Steel Tape		
P	6/29/2009		229.23	(0.01)	-168.23	1	U.S. Geological Survey	Electric Line		

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P	7/13/2009		229.33	0.10	-168.33	1	U.S. Geological Survey	Electric Line		
P	7/14/2009		229.42	0.09	-168.42	1	U.S. Geological Survey	Electric Line		
P	7/21/2009		229.28	(0.14)	-168.28	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		229.69	0.41	-168.69	1	U.S. Geological Survey	Steel Tape		
P	9/17/2009		230.78	1.09	-169.78	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		231.03	0.25	-170.03	1	U.S. Geological Survey	Steel Tape		
P	11/13/2009		231.37	0.34	-170.37	1	U.S. Geological Survey	Electric Line		
P	12/9/2009		231.69	0.32	-170.69	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		231.3	(0.39)	-170.3	1	U.S. Geological Survey	Steel Tape		
P	2/9/2010		231.14	(0.16)	-170.14	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		231.13	(0.01)	-170.13	1	U.S. Geological Survey	Steel Tape		
P	3/30/2010		231.5	0.37	-170.5	1	U.S. Geological Survey	Electric Line		
P	4/12/2010		231.6	0.10	-170.6	1	U.S. Geological Survey	Steel Tape		
P	5/4/2010		231.79	0.19	-170.79	1	U.S. Geological Survey	Steel Tape		
P	6/3/2010		232.53	0.74	-171.53	1	U.S. Geological Survey	Steel Tape		
P	7/1/2010		232.48	(0.05)	-171.48	1	U.S. Geological Survey	Steel Tape		
P	7/28/2010		232.3	(0.18)	-171.3	1	U.S. Geological Survey	Steel Tape		
P	8/27/2010		232.07	(0.23)	-171.07	1	U.S. Geological Survey	Steel Tape		
P	8/27/2010		232.08	0.01	-171.08	2	U.S. Geological Survey	Steel Tape		
P	9/23/2010		231.8	(0.28)	-170.8	1	U.S. Geological Survey	Electric Line		
P	10/20/2010		231.6	(0.20)	-170.6	1	U.S. Geological Survey	Steel Tape		
P	11/18/2010		231.33	(0.27)	-170.33	1	U.S. Geological Survey	Electric Line		
P	12/14/2010		231.03	(0.30)	-170.03	1	U.S. Geological Survey	Steel Tape		
P	1/3/2011		230.8	(0.23)	-169.8	1	U.S. Geological Survey	Steel Tape		
P	2/1/2011		230.21	(0.59)	-169.21	1	U.S. Geological Survey	Steel Tape		
P	3/3/2011		229.8	(0.41)	-168.8	1	U.S. Geological Survey	Steel Tape		
P	3/31/2011		229.34	(0.46)	-168.34	1	U.S. Geological Survey	Steel Tape		
P	5/12/2011		228.88	(0.46)	-167.88	1	U.S. Geological Survey	Steel Tape		
P	6/7/2011		227.73	(1.15)	-166.73	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		227.6	(0.13)	-166.6	1	U.S. Geological Survey	Steel Tape		
P	8/3/2011		227.3	(0.30)	-166.3	1	U.S. Geological Survey	Steel Tape		
P	9/9/2011		227.18	(0.12)	-166.18	1	U.S. Geological Survey	Steel Tape		
P	10/7/2011		227.82	0.64	-166.82	1	U.S. Geological Survey	Steel Tape		
P	11/2/2011		228.28	0.46	-167.28	1	U.S. Geological Survey	Steel Tape		
P	12/1/2011		228.63	0.35	-167.63	1	U.S. Geological Survey	Steel Tape		
P	12/30/2011		228.87	0.24	-167.87	1	U.S. Geological Survey	Steel Tape		
P	1/24/2012		228.3	(0.57)	-167.3	1	U.S. Geological Survey	Steel Tape		
P	2/24/2012		229.45	1.15	-168.45	1	U.S. Geological Survey	Steel Tape		
P	3/22/2012		229.9	0.45	-168.9	1	U.S. Geological Survey	Steel Tape		
P	4/19/2012		230.2	0.30	-169.2	1	U.S. Geological Survey	Steel Tape		
P	5/17/2012		230.28	0.08	-169.28	1	U.S. Geological Survey	Steel Tape		
P	6/12/2012		229.56	(0.72)	-168.56	1	U.S. Geological Survey	Steel Tape		

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P	7/5/2012		229.74	0.18	-168.74	1	U.S. Geological Survey	Steel Tape		
P	8/7/2012		229.9	0.16	-168.9	1	U.S. Geological Survey	Steel Tape		
P	9/7/2012		230.14	0.24	-169.14	1	U.S. Geological Survey	Steel Tape		
P	10/12/2012		231.45	1.31	-170.45	1	U.S. Geological Survey	Electric Line		
P	11/7/2012		231.45	0.00	-170.45	1	U.S. Geological Survey	Steel Tape		
P	12/5/2012		231.63	0.18	-170.63	1	U.S. Geological Survey	Steel Tape		
P	1/7/2013		231.78	0.15	-170.78	1	U.S. Geological Survey	Steel Tape		
P	2/21/2013		231.44	(0.34)	-170.44	1	U.S. Geological Survey	Steel Tape		
P	4/1/2013		231.49	0.05	-170.49	1	U.S. Geological Survey	Steel Tape		
P	4/30/2013		231.29	(0.20)	-170.29	1	U.S. Geological Survey	Steel Tape		
P	5/30/2013		231.14	(0.15)	-170.14	1	U.S. Geological Survey	Steel Tape		
P	6/21/2013		231.03	(0.11)	-170.03	1	U.S. Geological Survey	Steel Tape		
P	7/1/2013		230.84	(0.19)	-169.84	1	U.S. Geological Survey	Steel Tape		
P	7/24/2013		230.49	(0.35)	-169.49	1	U.S. Geological Survey	Steel Tape		
P	8/5/2013		230.33	(0.16)	-169.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2013		230.3	(0.03)	-169.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2013		230.25	(0.05)	-169.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2013		230.24	(0.01)	-169.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2013		230.28	0.04	-169.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/29/2013		230.29	0.01	-169.29	1	U.S. Geological Survey	Steel Tape		
P	8/30/2013		230.18	(0.11)	-169.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2013		230.28	0.10	-169.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2013		230.21	(0.07)	-169.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2013		230.17	(0.04)	-169.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2013		230.01	(0.16)	-169.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2013		230.16	0.15	-169.16	1	U.S. Geological Survey	Steel Tape		
P	9/30/2013		229.95	(0.21)	-168.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2013		229.99	0.04	-168.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/10/2013		230.18	0.19	-169.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2013		230.16	(0.02)	-169.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2013		230.18	0.02	-169.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/22/2013		230.24	0.06	-169.24	1	U.S. Geological Survey	Steel Tape		
P	10/25/2013		230.32	0.08	-169.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2013		230.11	(0.21)	-169.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2013		230.15	0.04	-169.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2013		230.25	0.10	-169.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2013		230.15	(0.10)	-169.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2013		230.18	0.03	-169.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/21/2013		230.22	0.04	-169.22	1	U.S. Geological Survey	Steel Tape		
P	11/25/2013		230.12	(0.10)	-169.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2013		230.24	0.12	-169.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2013		230.08	(0.16)	-169.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2013		230.29	0.21	-169.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2013		230.26	(0.03)	-169.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/19/2013		230.16	(0.10)	-169.16	1	U.S. Geological Survey	Steel Tape		
P	12/20/2013		230.04	(0.12)	-169.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2013		230.26	0.22	-169.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2013		230.22	(0.04)	-169.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2014		230.1	(0.12)	-169.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/10/2014		230.06	(0.04)	-169.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2014		230.24	0.18	-169.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2014		230.15	(0.09)	-169.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2014		230.19	0.04	-169.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2014		230.11	(0.08)	-169.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2014	1009	230.26	0.15	-169.26	1	U.S. Geological Survey	Steel Tape		
P	2/5/2014		230.15	(0.11)	-169.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2014		230.09	(0.06)	-169.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2014		230.12	0.03	-169.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2014		229.98	(0.14)	-168.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2014		229.9	(0.08)	-168.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2014		229.86	(0.04)	-168.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/3/2014		230.22	0.36	-169.22	1	U.S. Geological Survey	Steel Tape		
P	3/5/2014		230.06	(0.16)	-169.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2014		230.05	(0.01)	-169.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2014		229.92	(0.13)	-168.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2014		230.12	0.20	-169.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2014		230.13	0.01	-169.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2014		230.13	0.00	-169.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/3/2014		229.95	(0.18)	-168.95	1	U.S. Geological Survey	Steel Tape		
P	4/5/2014		230	0.05	-169	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/10/2014		230.03	0.03	-169.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2014		230.01	(0.02)	-169.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2014		230.01	0.00	-169.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2014		229.94	(0.07)	-168.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2014		229.89	(0.05)	-168.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2014		229.82	(0.07)	-168.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2014		229.74	(0.08)	-168.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2014		229.83	0.09	-168.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2014	1010	229.92	0.09	-168.92	1	U.S. Geological Survey	Steel Tape		
P	5/20/2014		229.82	(0.10)	-168.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2014		229.55	(0.27)	-168.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2014		228.85	(0.70)	-167.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2014		228.68	(0.17)	-167.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2014		228.65	(0.03)	-167.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/11/2014		228.75	0.10	-167.75	1	U.S. Geological Survey	Steel Tape		
P	6/15/2014		228.72	(0.03)	-167.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/16/2014		228.85	0.13	-167.85	1	U.S. Geological Survey	Steel Tape		
P	6/20/2014		228.82	(0.03)	-167.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2014		228.76	(0.06)	-167.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2014		228.78	0.02	-167.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2014		228.81	0.03	-167.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/10/2014		228.84	0.03	-167.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/11/2014		228.86	0.02	-167.86	1	U.S. Geological Survey	Steel Tape		
P	7/15/2014		228.8	(0.06)	-167.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2014		228.89	0.09	-167.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/22/2014		229.02	0.13	-168.02	1	U.S. Geological Survey	Steel Tape		
P	7/25/2014		228.98	(0.04)	-167.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2014		228.99	0.01	-167.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2014		229	0.01	-168	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/8/2014		229.07	0.07	-168.07	1	U.S. Geological Survey	Steel Tape		
P	8/10/2014		229	(0.07)	-168	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2014		229	0.00	-168	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2014		229.02	0.02	-168.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2014		228.98	(0.04)	-167.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2014		229.01	0.03	-168.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/2/2014		229.06	0.05	-168.06	1	U.S. Geological Survey	Steel Tape		
P	9/5/2014		229.07	0.01	-168.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2014		229.02	(0.05)	-168.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2014		229.12	0.10	-168.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2014		229.57	0.45	-168.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2014		229.15	(0.42)	-168.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2014		229.01	(0.14)	-168.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/5/2014		229.05	0.04	-168.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2014		229.12	0.07	-168.12	1	U.S. Geological Survey	Electric Line		
P	10/15/2014		228.93	(0.19)	-167.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2014		229.54	0.61	-168.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2014		229.65	0.11	-168.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2014		229.63	(0.02)	-168.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2014		229.6	(0.03)	-168.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/6/2014		229.88	0.28	-168.88	1	U.S. Geological Survey	Steel Tape		
P	11/10/2014		229.7	(0.18)	-168.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2014		229.8	0.10	-168.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2014		229.81	0.01	-168.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2014		229.85	0.04	-168.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2014		229.82	(0.03)	-168.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2014		229.79	(0.03)	-168.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2014		229.91	0.12	-168.91	1	U.S. Geological Survey	Steel Tape		
P	12/15/2014		229.78	(0.13)	-168.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2014		229.79	0.01	-168.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2014		229.77	(0.02)	-168.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2014		229.82	0.05	-168.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2015		229.92	0.10	-168.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2015		229.83	(0.09)	-168.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/15/2015		229.78	(0.05)	-168.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2015		229.68	(0.10)	-168.68	1	U.S. Geological Survey	Steel Tape		
P	1/25/2015		229.66	(0.02)	-168.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2015		229.78	0.12	-168.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2015		229.7	(0.08)	-168.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2015		229.62	(0.08)	-168.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2015		229.61	(0.01)	-168.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2015		229.54	(0.07)	-168.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/2015		229.73	0.19	-168.73	1	U.S. Geological Survey	Steel Tape		
P	2/25/2015		229.58	(0.15)	-168.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2015		229.73	0.15	-168.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2015		229.56	(0.17)	-168.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2015		229.4	(0.16)	-168.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2015		229.5	0.10	-168.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2015		229.41	(0.09)	-168.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2015		229.35	(0.06)	-168.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2015		229.39	0.04	-168.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/2/2015	0916	229.34	(0.05)	-168.34	1	U.S. Geological Survey	Steel Tape		
P	4/5/2015		229.3	(0.04)	-168.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2015		229.28	(0.02)	-168.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2015		229.19	(0.09)	-168.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/20/2015		229.09	(0.10)	-168.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2015		229.05	(0.04)	-168.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/27/2015	1305	228.99	(0.06)	-167.99	1	U.S. Geological Survey	Steel Tape		
P	4/30/2015		229.11	0.12	-168.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2015		228.66	(0.45)	-167.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2015		228.41	(0.25)	-167.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2015		228.2	(0.21)	-167.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/18/2015	1109	228.26	0.06	-167.26	1	U.S. Geological Survey	Steel Tape		
P	5/20/2015		228.19	(0.07)	-167.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2015		228.09	(0.10)	-167.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2015		228.17	0.08	-167.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2015		227.96	(0.21)	-166.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2015		227.82	(0.14)	-166.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2015		228.64	0.82	-167.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2015		227.93	(0.71)	-166.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2015	1131	228.07	0.14	-167.07	1	U.S. Geological Survey	Electric Line		
P	6/30/2015		227.79	(0.28)	-166.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2015		227.76	(0.03)	-166.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2015		227.83	0.07	-166.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2015		227.86	0.03	-166.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2015		227.87	0.01	-166.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/22/2015	0836	227.99	0.12	-166.99	1	U.S. Geological Survey	Electric Line		
P	7/25/2015		227.85	(0.14)	-166.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2015		227.85	0.00	-166.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2015		227.82	(0.03)	-166.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2015		227.77	(0.05)	-166.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/11/2015	1000	228.05	0.28	-167.05	1	U.S. Geological Survey	Electric Line		
P	8/15/2015		227.77	(0.28)	-166.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2015		227.65	(0.12)	-166.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2015		227.7	0.05	-166.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2015		227.65	(0.05)	-166.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2015		227.63	(0.02)	-166.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/9/2015	1209	227.8	0.17	-166.8	1	U.S. Geological Survey	Electric Line		
P	9/10/2015		227.73	(0.07)	-166.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2015		228.19	0.46	-167.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2015		227.81	(0.38)	-166.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2015		227.76	(0.05)	-166.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/28/2015	1049	227.58	(0.18)	-166.58	1	U.S. Geological Survey	Steel Tape		
P	9/30/2015		227.61	0.03	-166.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2015		228.46	0.85	-167.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2015		228.62	0.16	-167.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2015		228.65	0.03	-167.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/20/2015		228.65	0.00	-167.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2015		228.36	(0.29)	-167.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/29/2015	1032	228.53	0.17	-167.53	1	U.S. Geological Survey	Steel Tape		
P	10/30/2015		228.4	(0.13)	-167.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2015		228.09	(0.31)	-167.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2015		227.67	(0.42)	-166.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2015		227.7	0.03	-166.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2015		227.64	(0.06)	-166.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	11/24/2015	0849	227.87	0.23	-166.87	1	U.S. Geological Survey	Steel Tape	2	
P	11/25/2015		227.81	(0.06)	-166.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2015		227.8	(0.01)	-166.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2015		228.01	0.21	-167.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2015		227.77	(0.24)	-166.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2015		227.92	0.15	-166.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2015		227.89	(0.03)	-166.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/23/2015	0921	227.67	(0.22)	-166.67	1	U.S. Geological Survey	Electric Line		
P	12/25/2015		227.85	0.18	-166.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2015		227.97	0.12	-166.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2016		228.05	0.08	-167.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2016		228.05	0.00	-167.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2016		228.02	(0.03)	-167.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/20/2016		228.12	0.10	-167.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	1/20/2016	1325	228.17	0.05	-167.17	1	U.S. Geological Survey	Electric Line	2	
P	1/22/2016	1040	228.21	0.04	-167.21	1	U.S. Geological Survey	Electric Line		
P	1/25/2016		228.08	(0.13)	-167.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2016		228.08	0.00	-167.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2016		228.35	0.27	-167.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2016		228.28	(0.07)	-167.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2016		227.99	(0.29)	-166.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2016		228.09	0.10	-167.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2016		228.16	0.07	-167.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	3/1/2016	1334	228.06	(0.10)	-167.06	1	U.S. Geological Survey	Electric Line	3	
P	3/5/2016	0330	228.1	0.04	-167.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2016	0500	227.85	(0.25)	-166.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2016	0600	227.95	0.10	-166.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2016	0000	228.19	0.24	-167.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2016	2100	228.08	(0.11)	-167.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2016	1800	228.02	(0.06)	-167.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/31/2016	0840	228.08	0.06	-167.08	1	U.S. Geological Survey	Steel Tape		
P	4/5/2016	0030	228.83	0.75	-167.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2016	2230	228.87	0.04	-167.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2016	1900	228.84	(0.03)	-167.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/20/2016	0530	228.94	0.10	-167.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2016	2300	228.88	(0.06)	-167.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2016	0530	228.84	(0.04)	-167.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	5/3/2016	1429	229.01	0.17	-168.01	1	U.S. Geological Survey	Electric Line	3	
P	5/5/2016	0730	228.99	(0.02)	-167.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2016	0000	228.93	(0.06)	-167.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2016	1930	228.34	(0.59)	-167.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2016	0630	228.19	(0.15)	-167.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2016	0100	228.82	0.63	-167.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2016	0300	228.83	0.01	-167.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/1/2016	0926	228.86	0.03	-167.86	1	U.S. Geological Survey	Electric Line		
P	6/5/2016	2100	228.71	(0.15)	-167.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2016	0000	228.8	0.09	-167.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2016	0600	228.78	(0.02)	-167.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2016	0530	228.82	0.04	-167.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2016	2200	228.2	(0.62)	-167.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2016	1900	228.05	(0.15)	-167.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/1/2016	0832	228.12	0.07	-167.12	1	U.S. Geological Survey	Electric Line		
P	7/5/2016	0000	228.07	(0.05)	-167.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2016	0200	228.12	0.05	-167.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2016	1900	228.05	(0.07)	-167.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	7/20/2016	2230	227.97	(0.08)	-166.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2016	0130	227.88	(0.09)	-166.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2016	1930	227.98	0.10	-166.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/2/2016	1011	228.14	0.16	-167.14	1	U.S. Geological Survey	Electric Line	2	
P	8/5/2016	2200	228.12	(0.02)	-167.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2016	0030	228.11	(0.01)	-167.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2016	0600	228.05	(0.06)	-167.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2016	2200	228.02	(0.03)	-167.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2016	0000	228.12	0.10	-167.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/26/2016	1036	228.51	0.39	-167.51	1	U.S. Geological Survey	Electric Line	2	
P	9/5/2016	0100	228.37	(0.14)	-167.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2016	0100	228.37	0.00	-167.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2016	1830	228.33	(0.04)	-167.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2016	0000	228.43	0.10	-167.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2016	1930	228.42	(0.01)	-167.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	9/27/2016	0944	227.85	(0.57)	-166.85	1	U.S. Geological Survey	Electric Line	3	
P	9/30/2016	1900	227.83	(0.02)	-166.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2016	0100	227.77	(0.06)	-166.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2016	1930	227.91	0.14	-166.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2016	1830	227.87	(0.04)	-166.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2016	0000	227.92	0.05	-166.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Q	10/21/2016	1001	228.25	0.33	-167.25	1	U.S. Geological Survey	Electric Line	2	
P	10/25/2016	1930	228.2	(0.05)	-167.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2016	2330	228.72	0.52	-167.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2016	1800	228.23	(0.49)	-167.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2016	0530	228.23	0.00	-167.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2016	1900	228.13	(0.10)	-167.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2016	1730	228.29	0.16	-167.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2016	0500	228.24	(0.05)	-167.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2016	0000	228.1	(0.14)	-167.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	12/1/2016	1319	228.13	0.03	-167.13	1	U.S. Geological Survey	Steel Tape	2	
P	12/5/2016	1330	227.94	(0.19)	-166.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2016	1730	228.23	0.29	-167.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2016	1900	228.38	0.15	-167.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2016	2330	228.49	0.11	-167.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/22/2016	0924	228.47	(0.02)	-167.47	1	U.S. Geological Survey	Steel Tape		
P	12/25/2016	1530	228.36	(0.11)	-167.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2016	2330	228.49	0.13	-167.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2017	0700	228.41	(0.08)	-167.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2017	1900	228.47	0.06	-167.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2017	1900	228.44	(0.03)	-167.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2017	1900	228.3	(0.14)	-167.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	1/25/2017	0700	228.34	0.04	-167.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2017	2200	228.55	0.21	-167.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	1/31/2017	1037	228.68	0.13	-167.68	1	U.S. Geological Survey	Electric Line	2	
P	2/5/2017	1430	228.67	(0.01)	-167.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2017	1930	228.77	0.10	-167.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2017	0000	228.73	(0.04)	-167.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2017	1700	228.65	(0.08)	-167.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2017	0000	229.45	0.80	-168.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/1/2017	0938	229.51	0.06	-168.51	1	U.S. Geological Survey	Steel Tape		
P	3/5/2017	1800	229.56	0.05	-168.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2017	0730	229.62	0.06	-168.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2017	2330	229.39	(0.23)	-168.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2017	0000	228.97	(0.42)	-167.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/2017	1047	229.4	0.43	-168.4	1	U.S. Geological Survey	Electric Line		
P	3/25/2017	0500	229.25	(0.15)	-168.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2017	2200	229.25	0.00	-168.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2017	0200	229.26	0.01	-168.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2017	0700	229.39	0.13	-168.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2017	0700	229.37	(0.02)	-168.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2017	0600	229.34	(0.03)	-168.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2017	1930	229.23	(0.11)	-168.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	4/30/2017	0000	229.3	0.07	-168.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2017	1900	229.45	0.15	-168.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2017	1900	229.46	0.01	-168.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2017	0030	229.47	0.01	-168.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2017	0330	229.35	(0.12)	-168.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2017	0030	229.25	(0.10)	-168.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2017	0600	229.39	0.14	-168.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	5/31/2017	0903	229.6	0.21	-168.6	1	U.S. Geological Survey	Electric Line	3	
P	6/5/2017	2100	229.39	(0.21)	-168.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2017	0130	229.74	0.35	-168.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2017	0530	229.85	0.11	-168.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2017	2230	229.77	(0.08)	-168.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/22/2017	1244	229.54	(0.23)	-168.54	1	U.S. Geological Survey	Electric Line		
P	6/25/2017	2130	229.49	(0.05)	-168.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2017	0130	229.5	0.01	-168.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2017	0230	229.63	0.13	-168.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2017	2100	229.58	(0.05)	-168.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2017	2330	229.52	(0.06)	-168.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	7/19/2017	1141	229.6	0.08	-168.6	1	U.S. Geological Survey	Steel Tape	2	
P	7/20/2017	0530	229.55	(0.05)	-168.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2017	2130	229.57	0.02	-168.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	7/30/2017	2330	229.38	(0.19)	-168.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2017	2300	229.27	(0.11)	-168.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2017	0330	229.28	0.01	-168.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2017	1830	229.21	(0.07)	-168.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/16/2017	1054	229.35	0.14	-168.35	1	U.S. Geological Survey	Electric Line	2	
P	8/20/2017	0600	229.29	(0.06)	-168.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2017	2230	229.18	(0.11)	-168.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2017	0130	229.32	0.14	-168.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2017	2200	229.52	0.20	-168.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2017	2100	229.43	(0.09)	-168.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2017	1900	229.27	(0.16)	-168.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2017	2130	229.17	(0.10)	-168.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2017	1800	229.17	0.00	-168.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/26/2017	0908	229.17	0.00	-168.17	1	U.S. Geological Survey	Steel Tape		
P	9/30/2017	0030	229.2	0.03	-168.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2017	1900	229.19	(0.01)	-168.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2017	0000	229.17	(0.02)	-168.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2017	0600	229.26	0.09	-168.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2017	2130	229.22	(0.04)	-168.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2017	1800	229.15	(0.07)	-168.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	10/30/2017	1800	229.06	(0.09)	-168.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2017	1900	229.06	0.00	-168.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2017	0330	228.69	(0.37)	-167.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2017	0500	229.07	0.38	-168.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	11/17/2017	1027	229.14	0.07	-168.14	1	U.S. Geological Survey	Electric Line	2	
P	11/20/2017	1930	229.15	0.01	-168.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2017	0730	229.07	(0.08)	-168.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2017	1800	229.16	0.09	-168.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2017	2300	228.9	(0.26)	-167.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2017	1700	228.77	(0.13)	-167.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2017	0000	228.63	(0.14)	-167.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2017	0000	228.87	0.24	-167.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2017	2100	229.18	0.31	-168.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	12/28/2017	1026	229.25	0.07	-168.25	1	U.S. Geological Survey	Electric Line	2	
P	12/30/2017	1800	229.05	(0.20)	-168.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2018	0030	229.17	0.12	-168.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2018	1800	228.95	(0.22)	-167.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2018	0900	229.15	0.20	-168.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2018	2100	228.58	(0.57)	-167.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2018	2330	228.72	0.14	-167.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/30/2018	2200	228.7	(0.02)	-167.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2018	0030	228.63	(0.07)	-167.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2018	0900	228.5	(0.13)	-167.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2018	2130	228.89	0.39	-167.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2018	0000	229.07	0.18	-168.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2018	1500	228.72	(0.35)	-167.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	2/28/2018	1137	228.72	0.00	-167.72	1	U.S. Geological Survey	Electric Line	2	
P	3/5/2018	0900	228.69	(0.03)	-167.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2018	0600	228.66	(0.03)	-167.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2018	1930	228.76	0.10	-167.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2018	0130	228.75	(0.01)	-167.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/22/2018	1314	228.99	0.24	-167.99	1	U.S. Geological Survey	Electric Line		
P	3/25/2018	1800	228.81	(0.18)	-167.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2018	0000	228.81	0.00	-167.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2018	0800	229.39	0.58	-168.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2018	2000	229.05	(0.34)	-168.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2018	0400	228.83	(0.22)	-167.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/18/2018	1246	228.78	(0.05)	-167.78	1	U.S. Geological Survey	Electric Line		
P	4/20/2018	2330	228.8	0.02	-167.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2018	1930	228.69	(0.11)	-167.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2018	1930	228.75	0.06	-167.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/5/2018	0300	228.74	(0.01)	-167.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2018	1900	228.68	(0.06)	-167.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2018	0630	228.54	(0.14)	-167.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2018	0000	228.58	0.04	-167.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	5/22/2018	1156	228.73	0.15	-167.73	1	U.S. Geological Survey	Electric Line	2	
P	5/25/2018	1930	228.61	(0.12)	-167.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2018	0000	228.64	0.03	-167.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2018	0000	228.74	0.10	-167.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2018	0000	228.77	0.03	-167.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2018	0000	228.72	(0.05)	-167.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2018	0000	228.47	(0.25)	-167.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2018	0000	228.5	0.03	-167.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2018	0000	228.71	0.21	-167.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2018	0000	228.67	(0.04)	-167.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2018	0000	228.68	0.01	-167.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2018	0000	228.69	0.01	-167.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	7/19/2018	1102	228.59	(0.10)	-167.59	1	U.S. Geological Survey	Electric Line	3	
P	7/20/2018	0000	228.56	(0.03)	-167.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2018	0000	228.58	0.02	-167.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2018	0000	228.55	(0.03)	-167.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/5/2018	0000	228.73	0.18	-167.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2018	0000	228.65	(0.08)	-167.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2018	0000	228.68	0.03	-167.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2018	0000	228.69	0.01	-167.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2018	0000	228.77	0.08	-167.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2018	0000	228.82	0.05	-167.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/31/2018	1022	228.93	0.11	-167.93	1	U.S. Geological Survey	Electric Line		
P	9/5/2018	0000	229.28	0.35	-168.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2018	0000	229.39	0.11	-168.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2018	0000	229.46	0.07	-168.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/19/2018	1052	229.63	0.17	-168.63	1	U.S. Geological Survey	Electric Line		
P	9/20/2018	0000	229.53	(0.10)	-168.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2018	0000	229.44	(0.09)	-168.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2018	0000	229.48	0.04	-168.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2018	0000	229.46	(0.02)	-168.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2018	0000	229.37	(0.09)	-168.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2018	0000	229.47	0.10	-168.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/18/2018	1044	229.6	0.13	-168.6	1	U.S. Geological Survey	Electric Line		
P	10/20/2018	0000	229.56	(0.04)	-168.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2018	0000	229.4	(0.16)	-168.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2018	0000	229.21	(0.19)	-168.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/5/2018	0000	228.81	(0.40)	-167.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2018	0000	229	0.19	-168	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2018	0000	229	0.00	-168	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2018	0000	228.95	(0.05)	-167.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	11/21/2018	8280	229.07	0.12	-168.07	1	U.S. Geological Survey	Electric Line	2	
P	11/25/2018	0000	229.42	0.35	-168.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2018	0000	229.69	0.27	-168.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2018	0000	229.98	0.29	-168.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2018	0000	229.97	(0.01)	-168.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2018	0000	229.87	(0.10)	-168.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/18/2018	1150	229.92	0.05	-168.92	1	U.S. Geological Survey	Electric Line		
P	12/20/2018	0000	229.66	(0.26)	-168.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2018	0000	229.83	0.17	-168.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2018	0000	229.76	(0.07)	-168.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2019	0000	229.76	0.00	-168.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2019	0000	229.94	0.18	-168.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2019	0000	229.64	(0.30)	-168.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2019	0000	229.77	0.13	-168.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2019	0000	229.2	(0.57)	-168.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2019	0000	229.57	0.37	-168.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/31/2019	1003	229.31	(0.26)	-168.31	1	U.S. Geological Survey	Electric Line		

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P	2/5/2019	0000	229.42	0.11	-168.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2019	0000	229.8	0.38	-168.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2019	0000	229.75	(0.05)	-168.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2019	0000	229.72	(0.03)	-168.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2019	0000	229.53	(0.19)	-168.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	2/27/2019	0649	229	(0.53)	-168	1	U.S. Geological Survey	Electric Line	9	
P	3/5/2019	0000	228.97	(0.03)	-167.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2019	0000	228.76	(0.21)	-167.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2019	0000	228.86	0.10	-167.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2019	0000	228.99	0.13	-167.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/21/2019	0350	229.06	0.07	-168.06	1	U.S. Geological Survey	Electric Line		
P	3/25/2019	0000	228.99	(0.07)	-167.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2019	0000	228.88	(0.11)	-167.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2019	0000	229.03	0.15	-168.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2019	0000	228.96	(0.07)	-167.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2019	0000	228.96	0.00	-167.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	4/19/2019	0320	228.91	(0.05)	-167.91	1	U.S. Geological Survey	Electric Line	9	
P	4/20/2019	0000	228.91	0.00	-167.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2019	0000	228.9	(0.01)	-167.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2019	0000	229.09	0.19	-168.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2019	0000	228.91	(0.18)	-167.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	5/10/2019	0000	229.05	0.14	-168.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2019	0000	229.29	0.24	-168.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2019	0000	228.93	(0.36)	-167.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2019	0000	228.91	(0.02)	-167.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/29/2019	0314	228.9	(0.01)	-167.9	1	U.S. Geological Survey	Electric Line		
P	5/30/2019	0000	228.88	(0.02)	-167.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2019	0000	228.75	(0.13)	-167.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2019	0000	228.89	0.14	-167.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2019	0000	228.84	(0.05)	-167.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2019	0000	228.78	(0.06)	-167.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2019	0000	228.8	0.02	-167.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	6/28/2019	0235	228.93	0.13	-167.93	1	U.S. Geological Survey	Electric Line	9	
P	6/30/2019	0000	228.84	(0.09)	-167.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2019	0000	228.83	(0.01)	-167.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2019	0000	228.8	(0.03)	-167.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2019	0000	228.66	(0.14)	-167.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2019	0000	228.69	0.03	-167.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2019	0000	228.68	(0.01)	-167.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2019	0000	228.61	(0.07)	-167.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2019	0000	228.59	(0.02)	-167.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/10/2019	0000	228.67	0.08	-167.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2019	0000	228.66	(0.01)	-167.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2019	0000	228.66	0.00	-167.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/22/2019	0402	228.71	0.05	-167.71	1	U.S. Geological Survey	Electric Line	9	
P	8/25/2019	0000	228.62	(0.09)	-167.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2019	0000	229.15	0.53	-168.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2019	0000	229.44	0.29	-168.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2019	0000	228.87	(0.57)	-167.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2019	0000	228.82	(0.05)	-167.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2019	0000	228.76	(0.06)	-167.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2019	0000	228.93	0.17	-167.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2019	0000	229	0.07	-168	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	10/2/2019	0414	228.92	(0.08)	-167.92	1	U.S. Geological Survey	Electric Line	9	
P	10/5/2019	0000	228.78	(0.14)	-167.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2019	0000	228.74	(0.04)	-167.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2019	0000	228.81	0.07	-167.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2019	0000	228.85	0.04	-167.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2019	0000	228.94	0.09	-167.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2019	0000	229.36	0.42	-168.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/4/2019	0655	228.92	(0.44)	-167.92	1	U.S. Geological Survey	Steel Tape		
P	11/5/2019	0000	228.9	(0.02)	-167.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/10/2019	0000	228.81	(0.09)	-167.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2019	0000	229.04	0.23	-168.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2019	0000	228.95	(0.09)	-167.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2019	0000	228.85	(0.10)	-167.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/26/2019	0557	228.9	0.05	-167.9	1	U.S. Geological Survey	Electric Line		
P	11/30/2019	0000	229.01	0.11	-168.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2019	0000	229.04	0.03	-168.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2019	0000	229.03	(0.01)	-168.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2019	0000	228.94	(0.09)	-167.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2019	0000	229.13	0.19	-168.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2019	0000	229.02	(0.11)	-168.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/27/2019	0727	228.83	(0.19)	-167.83	1	U.S. Geological Survey	Electric Line		
P	12/30/2019	0000	229.1	0.27	-168.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2020	0000	229.69	0.59	-168.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2020	0000	229.52	(0.17)	-168.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2020	0000	229.62	0.10	-168.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2020	0000	229.96	0.34	-168.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2020	0000	229.77	(0.19)	-168.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/29/2020	0954	229.57	(0.20)	-168.57	1	U.S. Geological Survey	Electric Line		
P	1/30/2020	0000	229.75	0.18	-168.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2020	0000	229.59	(0.16)	-168.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/10/2020	0000	229.66	0.07	-168.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2020	0000	229.46	(0.20)	-168.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2020	0000	229.13	(0.33)	-168.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2020	0000	228.93	(0.20)	-167.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/4/2020	0323	228.86	(0.07)	-167.86	1	U.S. Geological Survey	Electric Line		
P	3/5/2020	0000	229	0.14	-168	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2020	0000	229.56	0.56	-168.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2020	0000	229.36	(0.20)	-168.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2020	0000	229.26	(0.10)	-168.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2020	0000	229.11	(0.15)	-168.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2020	0000	229.12	0.01	-168.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2020	0000	229.43	0.31	-168.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/7/2020	0414	229.47	0.04	-168.47	1	U.S. Geological Survey	Electric Line		
P	4/10/2020	0000	229.52	0.05	-168.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2020	0000	228.98	(0.54)	-167.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2020	0000	229.4	0.42	-168.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2020	0000	229.47	0.07	-168.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2020	0000	229.57	0.10	-168.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/1/2020	0504	229.6	0.03	-168.6	1	U.S. Geological Survey	Electric Line		
P	5/5/2020	0000	228.93	(0.67)	-167.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2020	0000	228.85	(0.08)	-167.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/15/2020	0000	228.85	0.00	-167.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2020	0000	228.63	(0.22)	-167.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2020	0000	228.6	(0.03)	-167.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/29/2020	0359	229.57	0.97	-168.57	1	U.S. Geological Survey	Electric Line		
P	5/30/2020	0000	229.08	(0.49)	-168.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2020	0000	228.83	(0.25)	-167.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2020	0000	228.83	0.00	-167.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2020	0000	228.91	0.08	-167.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2020	0000	228.71	(0.20)	-167.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/2020	0335	228.6	(0.11)	-167.6	1	U.S. Geological Survey	Electric Line		
P	6/25/2020	0000	228.64	0.04	-167.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2020	0000	229.34	0.70	-168.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2020	0000	229.05	(0.29)	-168.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2020	0000	228.92	(0.13)	-167.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2020	0000	228.61	(0.31)	-167.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2020	0000	228.52	(0.09)	-167.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/23/2020	0414	229.22	0.70	-168.22	1	U.S. Geological Survey	Electric Line		
P	7/25/2020	0000	229.14	(0.08)	-168.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2020	0000	229.18	0.04	-168.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2020	0000	229.04	(0.14)	-168.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2020	0000	228.96	(0.08)	-167.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/15/2020	0000	228.4	(0.56)	-167.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2020	0000	228.17	(0.23)	-167.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2020	0000	228.1	(0.07)	-167.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2020	0000	228.07	(0.03)	-167.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2020	0000	228.23	0.16	-167.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2020	0000	228.11	(0.12)	-167.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2020	0000	227.98	(0.13)	-166.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2020	0000	227.96	(0.02)	-166.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2020	0000	228.53	0.57	-167.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2020	0000	228.77	0.24	-167.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2020	0000	228.76	(0.01)	-167.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2020	0000	228.64	(0.12)	-167.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2020	0000	228.67	0.03	-167.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2020	0000	228.69	0.02	-167.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2020	0000	228.53	(0.16)	-167.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2020	0000	227.89	(0.64)	-166.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2020	0000	227.8	(0.09)	-166.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2020	0000	227.64	(0.16)	-166.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2020	0000	227.71	0.07	-166.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/20/2020	0000	227.83	0.12	-166.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2020	0000	227.72	(0.11)	-166.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2020	0000	227.82	0.10	-166.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2020	0000	227.81	(0.01)	-166.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2020	0000	227.77	(0.04)	-166.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2020	0000	227.6	(0.17)	-166.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2020	0000	227.56	(0.04)	-166.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2020	0000	227.78	0.22	-166.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2020	0000	227.56	(0.22)	-166.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2021	0	227.67	0.11	-166.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2021	0	227.55	(0.12)	-166.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2021	0	227.44	(0.11)	-166.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2021	0	227.49	0.05	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2021	0	227.2	(0.29)	-166.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2021	0	227.23	0.03	-166.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2021	0	227.57	0.34	-166.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2021	0	227.77	0.20	-166.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2021	0	227.82	0.05	-166.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2021	0	227.81	(0.01)	-166.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/25/2021	0	228.21	0.40	-167.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2021	0	227.6	(0.61)	-166.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2021	0	227.44	(0.16)	-166.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2021	0	227.35	(0.09)	-166.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2021	0	227.57	0.22	-166.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2021	0	227.33	(0.24)	-166.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2021	0	227.58	0.25	-166.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2021	0	229.65	2.07	-168.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2021	0	229.52	(0.13)	-168.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2021	0	229.59	0.07	-168.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2021	0	229.64	0.05	-168.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2021	0	227.62	(2.02)	-166.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2021	0	227.63	0.01	-166.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2021	0	228.04	0.41	-167.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2021	0	228.02	(0.02)	-167.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2021	0	228.09	0.07	-167.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2021	0	227.91	(0.18)	-166.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2021	0	227.95	0.04	-166.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2021	0	227.49	(0.46)	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/5/2021	0	227.35	(0.14)	-166.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	6/10/2021		217.42	(9.93)	-156.42	1	U.S. Geological Survey	Recorder (Float or Transducer)	5	This is a USGS recorder and water levels are pending review by USGS. Believe this spike may have been in response to a rain event in the area.
P	6/15/2021	0	227.48	10.06	-166.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2021	0	227.42	(0.06)	-166.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2021	0	227.4	(0.02)	-166.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2021	0	227.49	0.09	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2021	0	227.47	(0.02)	-166.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2021	0	227.48	0.01	-166.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2021	0	227.56	0.08	-166.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2021	0	227.51	(0.05)	-166.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2021	0	227.56	0.05	-166.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2021	0	227.57	0.01	-166.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/1/2021	0	227.55	(0.02)	-166.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/2/2021	0	227.54	(0.01)	-166.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/3/2021	0	227.48	(0.06)	-166.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/4/2021	0	227.5	0.02	-166.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/5/2021	0	227.53	0.03	-166.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/6/2021	0	227.52	(0.01)	-166.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/7/2021	0	227.51	(0.01)	-166.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/8/2021	0	227.5	(0.01)	-166.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/9/2021	0	227.52	0.02	-166.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2021	0	227.55	0.03	-166.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/11/2021	0	227.54	(0.01)	-166.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/12/2021	0	227.53	(0.01)	-166.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/13/2021	0	227.52	(0.01)	-166.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/14/2021	0	227.49	(0.03)	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2021	0	227.39	(0.10)	-166.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/16/2021	0	227.33	(0.06)	-166.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/17/2021	0	227.33	0.00	-166.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/18/2021	0	227.31	(0.02)	-166.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/19/2021	0	227.32	0.01	-166.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2021	0	227.3	(0.02)	-166.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/21/2021	0	227.31	0.01	-166.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/22/2021	0	227.36	0.05	-166.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/23/2021	0	227.35	(0.01)	-166.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/24/2021	0	227.29	(0.06)	-166.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2021	0	227.27	(0.02)	-166.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/26/2021	0	227.23	(0.04)	-166.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/27/2021	0	227.23	0.00	-166.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/28/2021	0	227.24	0.01	-166.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/29/2021	0	227.21	(0.03)	-166.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2021	0	227.19	(0.02)	-166.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/31/2021	0	227.21	0.02	-166.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/1/2021	0	227.21	0.00	-166.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/2/2021	0	227.28	0.07	-166.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/3/2021	0	227.36	0.08	-166.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/4/2021	0	227.35	(0.01)	-166.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2021	0	227.34	(0.01)	-166.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/6/2021	0	227.32	(0.02)	-166.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/7/2021	0	227.32	0.00	-166.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/8/2021	0	227.34	0.02	-166.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/9/2021	0	227.36	0.02	-166.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2021	0	227.41	0.05	-166.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/11/2021	0	227.43	0.02	-166.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/12/2021	0	227.44	0.01	-166.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/13/2021	0	227.33	(0.11)	-166.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/14/2021	0	227.2	(0.13)	-166.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2021	0	227.23	0.03	-166.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/16/2021	0	227.27	0.04	-166.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/17/2021	0	227.32	0.05	-166.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/18/2021	0	227.34	0.02	-166.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/19/2021	0	227.34	0.00	-166.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2021	0	227.36	0.02	-166.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/21/2021	0	227.41	0.05	-166.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/22/2021	0	227.49	0.08	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/23/2021	0	227.49	0.00	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/2021	0	227.49	0.00	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2021	0	227.49	0.00	-166.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/26/2021	0	227.48	(0.01)	-166.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/27/2021	0	227.44	(0.04)	-166.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/28/2021	0	227.38	(0.06)	-166.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/29/2021	0	227.34	(0.04)	-166.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2021	0	227.37	0.03	-166.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
3	Well or wells pumping nearby
5	Water level possibly affected by recent flooding
9	measurement affected by atmospheric pressure

Water Quality Analysis

Sample Date: 2/13/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		130	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		1300	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		4160	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-227

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

1:24,000

Record by: RS SONENSHEIN — Source of data: DRILLER & OBS — Date: 4-7-80 — Map: BELLAIRE, TEX 1967

State: TEXAS [4 8] — County (or town): HARRIS [L J]

Latitude: 2 9 4 3 3 8 N (deg, min, sec) — Longitude: 0 9 5 2 7 0 4 (degrees, min, sec) — Sequential number: 4

Lat-long accuracy: [ ] T ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼ ___ B & M

Local well number: LJ-65-21-227 — Other number: SOUTHWEST NO. 3

Local use: [ ] — Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

Owner or name: HGCSD — Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [S]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. — [Ø]

DATA AVAILABLE: Well data [2] — Freq. W/L meas.: MONTHLY [M] — Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: partial [P]

Freq. sampling: ORIGINAL [Ø] — Pumpage inventory: yes (no) period: [ ]

Aperture cards: yes [ ]

Log data: DRILLER'S [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 1433 ft [1 4 3 3] — Meas. rept accuracy [3]

Depth cased (first perf.): 1418 ft [1 4 1 8] — Casing type: Steel; Diam. 4½-2½ in [4]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — [S]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — [H]

Date Drilled: APR 1980 [9 8 0] — Pump intake setting: NONE ft [ ]

Driller: O'DAY DRLG Co. (name), PEARLAND, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — [N] — Deep Shallow [ ]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. — [ ] — Trans. or meter no. —

Descrip. MP: top of csg. +0.5 ft above/below LSD, Alt. MP

Alt. LSD: 64 [6 4] — Accuracy (source): 5' TOPO [3]

Water Level: 411.28 ft above/below MP; above/below LSD [4 1 1] — Accuracy: steel tape [A]

Date meas: 5-6-80 [5 8 0] — Yield: 10 gpm [1 0] — Method determined [1]

Drawdown: ___ ft [ ] — Accuracy: [ ] — Pumping period ___ hrs [ ]

QUALITY OF WATER DATA: Iron ___ ppm [ ] — ~~Sulfate~~ pH 8.6 ppm [ ] — Chloride ___ ppm [ ] — Hard. HCO3 ppm [ ]

Sp. Conduct 660 K x 10^6 [ ] — Temp. 77 °F [7 7] — Date sampled 4-5-80 [4 8 0]

Taste, color, etc.

Well No.

Well No. CJ-65-21-227

Latitude-longitude ____ N S ____ d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: _____ 03 (20–21) Section: _____

_____ F (22) Drainage Basin: _____ 51R (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27) F

MAJOR AQUIFER: _____ system, _____ series TF (28–29) EVANGELINE aquifer, formation, group E (30–31)

Lithology: _____ 5 (32–33) Origin: _____ 3 (34) Aquifer Thickness: 90 ft

90 (35–37) Length of well open to: 20 ft 20 (38–40) Depth to top of: 1417 ft A42 (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: 418-428 SSWW BARLUG NO. 10 Ga. 2½" OD

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

sample for water quality obtained by jetting with air

Well No.

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-227

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521227
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7275
Latitude (degrees minutes seconds)	29° 43' 39" N
Longitude (decimal degrees)	-95.451389
Longitude (degrees minutes seconds)	095° 27' 05" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1433
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Coast Subsidence Dist.,S.W.
Driller	Layne Western
Other Data Available	Drillers Log; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294338095270404
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	Southwest #3
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	8/20/1996
Last Update Date	8/20/1996

Remarks	Owner Coastal Subsidence District, Southwest, well #3.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

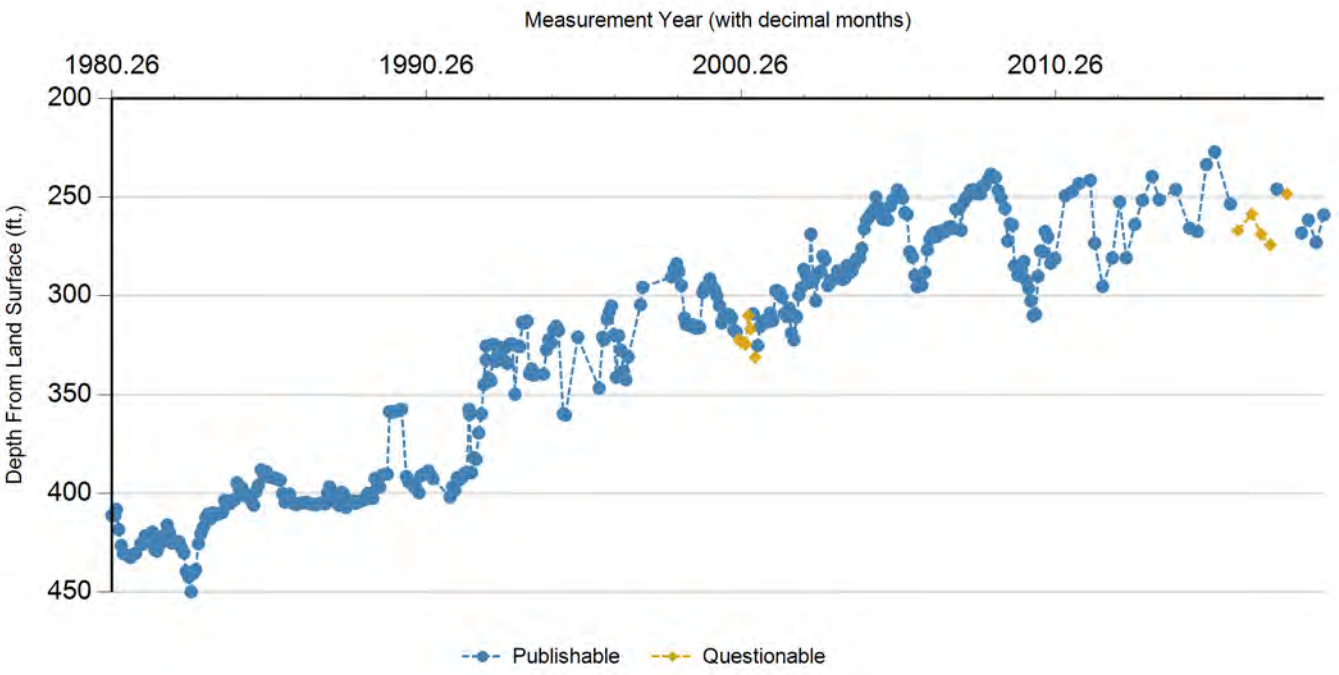
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/5/1980		411.15		-347.15	1	U.S. Geological Survey	Steel Tape		
P	4/5/1980		411.15	0.00	-347.15	2	Registered Water Well Driller	Unknown		
P	5/6/1980		411.28	0.13	-347.28	1	U.S. Geological Survey	Steel Tape		
P	5/27/1980		408.07	(3.21)	-344.07	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		418.29	10.22	-354.29	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		426.29	8.00	-362.29	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		430.47	4.18	-366.47	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		431.62	1.15	-367.62	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		432.47	0.85	-368.47	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		430.88	(1.59)	-366.88	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		430.32	(0.56)	-366.32	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		425.45	(4.87)	-361.45	1	U.S. Geological Survey	Steel Tape		
P	3/31/1981		425.69	0.24	-361.69	1	U.S. Geological Survey	Steel Tape		
P	4/28/1981		421.34	(4.35)	-357.34	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		422.1	0.76	-358.1	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		423.52	1.42	-359.52	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		419.53	(3.99)	-355.53	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		428.4	8.87	-364.4	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		429.16	0.76	-365.16	1	U.S. Geological Survey	Steel Tape		
P	10/13/1981		425.99	(3.17)	-361.99	1	U.S. Geological Survey	Steel Tape		
P	11/13/1981		422.04	(3.95)	-358.04	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-227

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/8/1981		421.16	(0.88)	-357.16	1	U.S. Geological Survey	Steel Tape		
P	1/6/1982		415.92	(5.24)	-351.92	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		419.68	3.76	-355.68	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		425.23	5.55	-361.23	1	U.S. Geological Survey	Steel Tape		
P	3/30/1982		424.03	(1.20)	-360.03	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		425.02	0.99	-361.02	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		424.37	(0.65)	-360.37	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		427.66	3.29	-363.66	1	U.S. Geological Survey	Steel Tape		
P	7/20/1982		430.14	2.48	-366.14	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		439.49	9.35	-375.49	1	U.S. Geological Survey	Steel Tape		
P	9/14/1982		442.28	2.79	-378.28	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		449.82	7.54	-385.82	1	U.S. Geological Survey	Steel Tape		
P	11/9/1982		440.55	(9.27)	-376.55	1	U.S. Geological Survey	Steel Tape		
P	12/7/1982		438.61	(1.94)	-374.61	1	U.S. Geological Survey	Steel Tape		
P	1/4/1983		425.44	(13.17)	-361.44	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		420.36	(5.08)	-356.36	1	U.S. Geological Survey	Steel Tape		
P	3/2/1983		417.02	(3.34)	-353.02	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		412.3	(4.72)	-348.3	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		410.38	(1.92)	-346.38	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		412.87	2.49	-348.87	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		409.64	(3.23)	-345.64	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		410.66	1.02	-346.66	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		410.61	(0.05)	-346.61	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		409.79	(0.82)	-345.79	1	U.S. Geological Survey	Steel Tape		
P	10/12/1983		409.57	(0.22)	-345.57	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		403.54	(6.03)	-339.54	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		403.8	0.26	-339.8	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		405.22	1.42	-341.22	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		403.6	(1.62)	-339.6	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		403.14	(0.46)	-339.14	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		394.59	(8.55)	-330.59	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		397.73	3.14	-333.73	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		396.98	(0.75)	-332.98	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		401.12	4.14	-337.12	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		400.35	(0.77)	-336.35	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		402.16	1.81	-338.16	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		403.7	1.54	-339.7	1	U.S. Geological Survey	Steel Tape		
P	10/10/1984		405.92	2.22	-341.92	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		399.2	(6.72)	-335.2	1	U.S. Geological Survey	Steel Tape		
P	12/5/1984		395.85	(3.35)	-331.85	1	U.S. Geological Survey	Steel Tape		
P	1/2/1985		387.97	(7.88)	-323.97	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		390.3	2.33	-326.3	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/27/1985		388.83	(1.47)	-324.83	1	U.S. Geological Survey	Steel Tape		
P	3/27/1985		391.47	2.64	-327.47	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		391.75	0.28	-327.75	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		392.06	0.31	-328.06	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		392.27	0.21	-328.27	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		392.85	0.58	-328.85	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		393.27	0.42	-329.27	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		400.06	6.79	-336.06	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		404.38	4.32	-340.38	1	U.S. Geological Survey	Steel Tape		
P	11/5/1985		401.79	(2.59)	-337.79	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		400.29	(1.50)	-336.29	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		403.82	3.53	-339.82	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		405.17	1.35	-341.17	1	U.S. Geological Survey	Steel Tape		
P	2/13/1986		405.63	0.46	-341.63	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		404.97	(0.66)	-340.97	1	U.S. Geological Survey	Unknown		
P	4/11/1986		404.86	(0.11)	-340.86	1	U.S. Geological Survey	Unknown		
P	5/9/1986		404.7	(0.16)	-340.7	1	U.S. Geological Survey	Unknown		
P	6/5/1986		404.32	(0.38)	-340.32	1	U.S. Geological Survey	Unknown		
P	7/3/1986		404.86	0.54	-340.86	1	U.S. Geological Survey	Unknown		
P	7/31/1986		405.27	0.41	-341.27	1	U.S. Geological Survey	Unknown		
P	8/28/1986		405.44	0.17	-341.44	1	U.S. Geological Survey	Unknown		
P	9/25/1986		405.79	0.35	-341.79	1	U.S. Geological Survey	Unknown		
P	11/20/1986		404.94	(0.85)	-340.94	1	U.S. Geological Survey	Unknown		
P	12/17/1986		405.01	0.07	-341.01	1	U.S. Geological Survey	Unknown		
P	1/15/1987		405.29	0.28	-341.29	1	U.S. Geological Survey	Unknown		
P	2/12/1987		399.87	(5.42)	-335.87	1	U.S. Geological Survey	Unknown		
P	3/6/1987		396.6	(3.27)	-332.6	1	U.S. Geological Survey	Unknown		
P	4/2/1987		399.63	3.03	-335.63	1	U.S. Geological Survey	Unknown		
P	4/30/1987		401.4	1.77	-337.4	1	U.S. Geological Survey	Unknown		
P	5/28/1987		404.76	3.36	-340.76	1	U.S. Geological Survey	Unknown		
P	6/25/1987		405.96	1.20	-341.96	1	U.S. Geological Survey	Unknown		
P	7/23/1987		399.28	(6.68)	-335.28	1	U.S. Geological Survey	Unknown		
P	8/20/1987		400.26	0.98	-336.26	1	U.S. Geological Survey	Unknown		
P	9/17/1987		407.13	6.87	-343.13	1	U.S. Geological Survey	Unknown		
P	10/16/1987		405.4	(1.73)	-341.4	1	U.S. Geological Survey	Unknown		
P	11/12/1987		404.48	(0.92)	-340.48	1	U.S. Geological Survey	Unknown		
P	12/9/1987		403.85	(0.63)	-339.85	1	U.S. Geological Survey	Unknown		
P	1/7/1988		405.07	1.22	-341.07	1	U.S. Geological Survey	Unknown		
P	2/4/1988		404.2	(0.87)	-340.2	1	U.S. Geological Survey	Unknown		
P	3/3/1988		403.88	(0.32)	-339.88	1	U.S. Geological Survey	Unknown		
P	3/31/1988		403.11	(0.77)	-339.11	1	U.S. Geological Survey	Unknown		
P	4/28/1988		403.02	(0.09)	-339.02	1	U.S. Geological Survey	Unknown		

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P	5/26/1988		399.85	(3.17)	-335.85	1	U.S. Geological Survey	Unknown		
P	6/23/1988		401.8	1.95	-337.8	1	U.S. Geological Survey	Unknown		
P	7/21/1988		402.43	0.63	-338.43	1	U.S. Geological Survey	Unknown		
P	8/18/1988		392.4	(10.03)	-328.4	1	U.S. Geological Survey	Unknown		
P	9/14/1988		396.76	4.36	-332.76	1	U.S. Geological Survey	Unknown		
P	10/13/1988		396.7	(0.06)	-332.7	1	U.S. Geological Survey	Unknown		
P	11/9/1988		390.76	(5.94)	-326.76	1	U.S. Geological Survey	Unknown		
P	12/8/1988		390.29	(0.47)	-326.29	1	U.S. Geological Survey	Unknown		
P	1/5/1989		390.18	(0.11)	-326.18	1	U.S. Geological Survey	Unknown		
P	2/2/1989		358.47	(31.71)	-294.47	1	U.S. Geological Survey	Unknown		
P	3/2/1989		358.83	0.36	-294.83	1	U.S. Geological Survey	Unknown		
P	3/29/1989		358.57	(0.26)	-294.57	1	U.S. Geological Survey	Unknown		
P	4/27/1989		358.22	(0.35)	-294.22	1	U.S. Geological Survey	Unknown		
P	5/25/1989		357.6	(0.62)	-293.6	1	U.S. Geological Survey	Unknown		
P	6/22/1989		357.29	(0.31)	-293.29	1	U.S. Geological Survey	Steel Tape		
P	8/17/1989		391.31	34.02	-327.31	1	U.S. Geological Survey	Unknown		
P	9/14/1989		394.15	2.84	-330.15	1	U.S. Geological Survey	Unknown		
P	10/12/1989		394.28	0.13	-330.28	1	U.S. Geological Survey	Unknown		
P	11/8/1989		396.1	1.82	-332.1	1	U.S. Geological Survey	Unknown		
P	12/7/1989		397.06	0.96	-333.06	1	U.S. Geological Survey	Unknown		
P	1/8/1990		399.69	2.63	-335.69	1	U.S. Geological Survey	Steel Tape		
P	2/1/1990		391	(8.69)	-327	1	U.S. Geological Survey	Unknown		
P	3/2/1990		390.18	(0.82)	-326.18	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		388.56	(1.62)	-324.56	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		390.64	2.08	-326.64	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		392.48	1.84	-328.48	1	U.S. Geological Survey	Steel Tape		
P	1/4/1991		401.8	9.32	-337.8	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		396.67	(5.13)	-332.67	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		398.31	1.64	-334.31	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		392.02	(6.29)	-328.02	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		392.99	0.97	-328.99	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		391.89	(1.10)	-327.89	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		389.71	(2.18)	-325.71	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		389.43	(0.28)	-325.43	1	U.S. Geological Survey	Steel Tape		
P	8/15/1991		357.4	(32.03)	-293.4	1	U.S. Geological Survey	Steel Tape		
P	8/20/1991		359.9	2.50	-295.9	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		389.49	29.59	-325.49	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		381.8	(7.69)	-317.8	1	U.S. Geological Survey	Steel Tape		
P	11/7/1991		382.67	0.87	-318.67	1	U.S. Geological Survey	Steel Tape		
P	12/6/1991		369.3	(13.37)	-305.3	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		359.69	(9.61)	-295.69	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		344.9	(14.79)	-280.9	1	U.S. Geological Survey	Steel Tape		

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P	2/26/1992		325.21	(19.69)	-261.21	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		332.3	7.09	-268.3	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		341.53	9.23	-277.53	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		342.94	1.41	-278.94	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		324.3	(18.64)	-260.3	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		333.08	8.78	-269.08	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		329.3	(3.78)	-265.3	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		325.9	(3.40)	-261.9	1	U.S. Geological Survey	Steel Tape		
P	9/9/1992		327.02	1.12	-263.02	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		332.96	5.94	-268.96	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		334.04	1.08	-270.04	1	U.S. Geological Survey	Steel Tape		
P	12/3/1992		324.24	(9.80)	-260.24	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		324.1	(0.14)	-260.1	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		349.7	25.60	-285.7	1	U.S. Geological Survey	Steel Tape		
P	2/26/1993		325.21	(24.49)	-261.21	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		325.55	0.34	-261.55	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		313.48	(12.07)	-249.48	1	U.S. Geological Survey	Steel Tape		
P	5/20/1993		313.55	0.07	-249.55	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		312.78	(0.77)	-248.78	1	U.S. Geological Survey	Steel Tape		
P	7/16/1993		339.33	26.55	-275.33	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		336.86	(2.47)	-272.86	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		340.09	3.23	-276.09	1	U.S. Geological Survey	Steel Tape		
P	12/29/1993		339.47	(0.62)	-275.47	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		327.11	(12.36)	-263.11	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		322.08	(5.03)	-258.08	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		323.58	1.50	-259.58	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		317.03	(6.55)	-253.03	1	U.S. Geological Survey	Steel Tape		
P	5/19/1994		315.51	(1.52)	-251.51	1	U.S. Geological Survey	Steel Tape		
P	6/17/1994		317.3	1.79	-253.3	1	U.S. Geological Survey	Steel Tape		
P	8/11/1994		359.61	42.31	-295.61	1	U.S. Geological Survey	Steel Tape		
P	9/8/1994		360.29	0.68	-296.29	1	U.S. Geological Survey	Steel Tape		
P	1/26/1995		320.67	(39.62)	-256.67	1	U.S. Geological Survey	Steel Tape		
P	10/4/1995		346.65	25.98	-282.65	1	U.S. Geological Survey	Steel Tape		
P	11/14/1995		320.81	(25.84)	-256.81	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		322.08	1.27	-258.08	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		311.7	(10.38)	-247.7	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		308.33	(3.37)	-244.33	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		305.3	(3.03)	-241.3	1	U.S. Geological Survey	Steel Tape		
P	3/21/1996		319.58	14.28	-255.58	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		341.07	21.49	-277.07	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		319.98	(21.09)	-255.98	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		327.37	7.39	-263.37	1	U.S. Geological Survey	Steel Tape		

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P	7/11/1996		337.97	10.60	-273.97	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		342.34	4.37	-278.34	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		330.74	(11.60)	-266.74	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		304.63	(26.11)	-240.63	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		295.75	(8.88)	-231.75	1	U.S. Geological Survey	Steel Tape		
P	1/20/1998		290.52	(5.23)	-226.52	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		286.47	(4.05)	-222.47	1	U.S. Geological Survey	Steel Tape		
P	3/18/1998		283.85	(2.62)	-219.85	1	U.S. Geological Survey	Steel Tape		
P	4/14/1998		287.96	4.11	-223.96	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		294.87	6.91	-230.87	1	U.S. Geological Survey	Steel Tape		
P	6/20/1998		311.38	16.51	-247.38	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		314.36	2.98	-250.36	1	U.S. Geological Survey	Steel Tape		
P	8/6/1998		314.61	0.25	-250.61	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		315.03	0.42	-251.03	1	U.S. Geological Survey	Steel Tape		
P	10/2/1998		314.82	(0.21)	-250.82	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		316.23	1.41	-252.23	1	U.S. Geological Survey	Steel Tape		
P	12/17/1998		315.96	(0.27)	-251.96	1	U.S. Geological Survey	Steel Tape		
P	1/16/1999		298.38	(17.58)	-234.38	1	U.S. Geological Survey	Unknown		
P	2/11/1999		295.93	(2.45)	-231.93	1	U.S. Geological Survey	Unknown		
P	3/15/1999		295.33	(0.60)	-231.33	1	U.S. Geological Survey	Steel Tape		
P	4/9/1999		291.56	(3.77)	-227.56	1	U.S. Geological Survey	Steel Tape		
P	5/6/1999		295.38	3.82	-231.38	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		297.14	1.76	-233.14	1	U.S. Geological Survey	Steel Tape		
P	6/29/1999		300.07	2.93	-236.07	1	U.S. Geological Survey	Steel Tape		
P	7/30/1999		305.14	5.07	-241.14	1	U.S. Geological Survey	Steel Tape		
P	8/26/1999		313.55	8.41	-249.55	1	U.S. Geological Survey	Steel Tape		
P	9/23/1999		310.21	(3.34)	-246.21	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		309.79	(0.42)	-245.79	1	U.S. Geological Survey	Steel Tape		
P	11/23/1999		309.6	(0.19)	-245.6	1	U.S. Geological Survey	Steel Tape		
P	12/21/1999		311.13	1.53	-247.13	1	U.S. Geological Survey	Steel Tape		
P	1/11/2000		317.2	6.07	-253.2	1	U.S. Geological Survey	Steel Tape		
P	2/9/2000		318.12	0.92	-254.12	1	U.S. Geological Survey	Steel Tape		
Q	3/9/2000		321.98	3.86	-257.98	1	U.S. Geological Survey	Steel Tape	3	
Q	4/6/2000		323.46	1.48	-259.46	1	U.S. Geological Survey	Steel Tape	3	
Q	5/8/2000		323.42	(0.04)	-259.42	1	U.S. Geological Survey	Steel Tape	3	
Q	5/31/2000		324.37	0.95	-260.37	1	U.S. Geological Survey	Steel Tape	3	
Q	6/29/2000		310.08	(14.29)	-246.08	1	U.S. Geological Survey	Steel Tape	3	
Q	7/26/2000		316.55	6.47	-252.55	1	U.S. Geological Survey	Steel Tape	3	
P	8/25/2000		309.28	(7.27)	-245.28	1	U.S. Geological Survey	Steel Tape		
Q	9/20/2000		330.94	21.66	-266.94	1	U.S. Geological Survey	Steel Tape	3	
P	10/19/2000		325.05	(5.89)	-261.05	1	U.S. Geological Survey	Steel Tape		
P	11/16/2000		315.38	(9.67)	-251.38	1	U.S. Geological Survey	Steel Tape		

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P	12/15/2000		313.22	(2.16)	-249.22	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		312.34	(0.88)	-248.34	1	U.S. Geological Survey	Steel Tape		
P	2/9/2001		313.03	0.69	-249.03	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		308.84	(4.19)	-244.84	1	U.S. Geological Survey	Steel Tape		
P	4/6/2001		312.45	3.61	-248.45	1	U.S. Geological Survey	Steel Tape		
P	5/15/2001		297.56	(14.89)	-233.56	1	U.S. Geological Survey	Steel Tape		
P	5/31/2001		297.44	(0.12)	-233.44	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		298.05	0.61	-234.05	1	U.S. Geological Survey	Steel Tape		
P	7/25/2001		300.89	2.84	-236.89	1	U.S. Geological Survey	Steel Tape		
P	8/22/2001		309.19	8.30	-245.19	1	U.S. Geological Survey	Steel Tape		
P	9/19/2001		310.28	1.09	-246.28	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		306.41	(3.87)	-242.41	1	U.S. Geological Survey	Steel Tape		
P	11/14/2001		318.71	12.30	-254.71	1	U.S. Geological Survey	Steel Tape		
P	12/14/2001		322.16	3.45	-258.16	1	U.S. Geological Survey	Steel Tape		
P	1/9/2002		310.65	(11.51)	-246.65	1	U.S. Geological Survey	Steel Tape		
P	2/8/2002		299.78	(10.87)	-235.78	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		295.97	(3.81)	-231.97	1	U.S. Geological Survey	Steel Tape		
P	4/4/2002		286.67	(9.30)	-222.67	1	U.S. Geological Survey	Steel Tape		
P	5/1/2002		289.49	2.82	-225.49	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		293.57	4.08	-229.57	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		268.81	(24.76)	-204.81	1	U.S. Geological Survey	Steel Tape		
P	7/25/2002		292.43	23.62	-228.43	1	U.S. Geological Survey	Steel Tape		
P	8/23/2002		302.78	10.35	-238.78	1	U.S. Geological Survey	Steel Tape		
P	9/19/2002		288.66	(14.12)	-224.66	1	U.S. Geological Survey	Steel Tape		
P	10/16/2002		287.77	(0.89)	-223.77	1	U.S. Geological Survey	Steel Tape		
P	11/14/2002		279.85	(7.92)	-215.85	1	U.S. Geological Survey	Steel Tape		
P	12/11/2002		281.86	2.01	-217.86	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		294.93	13.07	-230.93	1	U.S. Geological Survey	Steel Tape		
P	2/5/2003		292.48	(2.45)	-228.48	1	U.S. Geological Survey	Steel Tape		
P	3/7/2003		292.01	(0.47)	-228.01	1	U.S. Geological Survey	Steel Tape		
P	4/4/2003		291.18	(0.83)	-227.18	1	U.S. Geological Survey	Steel Tape		
P	5/1/2003		287.45	(3.73)	-223.45	1	U.S. Geological Survey	Steel Tape		
P	5/30/2003		291.08	3.63	-227.08	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		291.82	0.74	-227.82	1	U.S. Geological Survey	Steel Tape		
P	7/23/2003		291.39	(0.43)	-227.39	1	U.S. Geological Survey	Steel Tape		
P	8/21/2003		284.73	(6.66)	-220.73	1	U.S. Geological Survey	Steel Tape		
P	9/18/2003		288.56	3.83	-224.56	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		287.65	(0.91)	-223.65	1	U.S. Geological Survey	Steel Tape		
P	11/14/2003		284.36	(3.29)	-220.36	1	U.S. Geological Survey	Steel Tape		
P	12/10/2003		281.36	(3.00)	-217.36	1	U.S. Geological Survey	Steel Tape		
P	1/12/2004		280.82	(0.54)	-216.82	1	U.S. Geological Survey	Steel Tape		
P	2/6/2004		276.13	(4.69)	-212.13	1	U.S. Geological Survey	Steel Tape		

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P	3/4/2004		266.31	(9.82)	-202.31	1	U.S. Geological Survey	Steel Tape		
P	4/1/2004		261.73	(4.58)	-197.73	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		260.31	(1.42)	-196.31	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		258.19	(2.12)	-194.19	1	U.S. Geological Survey	Steel Tape		
P	7/9/2004		255.81	(2.38)	-191.81	1	U.S. Geological Survey	Steel Tape		
P	7/21/2004		250	(5.81)	-186	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		255.02	5.02	-191.02	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		259.03	4.01	-195.03	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		261.36	2.33	-197.36	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		260.16	(1.20)	-196.16	1	U.S. Geological Survey	Steel Tape		
P	12/7/2004		261.62	1.46	-197.62	1	U.S. Geological Survey	Steel Tape		
P	1/4/2005		254.57	(7.05)	-190.57	1	U.S. Geological Survey	Steel Tape		
P	2/3/2005		251.3	(3.27)	-187.3	1	U.S. Geological Survey	Steel Tape		
P	3/1/2005		250.56	(0.74)	-186.56	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		246.39	(4.17)	-182.39	1	U.S. Geological Survey	Steel Tape		
P	4/28/2005		248.04	1.65	-184.04	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		250.56	2.52	-186.56	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		257.96	7.40	-193.96	1	U.S. Geological Survey	Steel Tape		
P	7/18/2005		258.86	0.90	-194.86	1	U.S. Geological Survey	Steel Tape		
P	8/17/2005		277.83	18.97	-213.83	1	U.S. Geological Survey	Steel Tape		
P	9/21/2005		280.54	2.71	-216.54	1	U.S. Geological Survey	Steel Tape		
P	10/19/2005		289.85	9.31	-225.85	1	U.S. Geological Survey	Steel Tape		
P	11/15/2005		295.51	5.66	-231.51	1	U.S. Geological Survey	Steel Tape		
P	12/13/2005		292.08	(3.43)	-228.08	1	U.S. Geological Survey	Steel Tape		
P	1/5/2006		294.73	2.65	-230.73	1	U.S. Geological Survey	Steel Tape		
P	2/9/2006		288.26	(6.47)	-224.26	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		276.83	(11.43)	-212.83	1	U.S. Geological Survey	Steel Tape		
P	4/6/2006		271.46	(5.37)	-207.46	1	U.S. Geological Survey	Steel Tape		
P	5/4/2006		269.19	(2.27)	-205.19	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		268.05	(1.14)	-204.05	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		270.05	2.00	-206.05	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		267.57	(2.48)	-203.57	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		267.31	(0.26)	-203.31	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		267.94	0.63	-203.94	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		266.04	(1.90)	-202.04	1	U.S. Geological Survey	Steel Tape		
P	11/15/2006		265.33	(0.71)	-201.33	1	U.S. Geological Survey	Steel Tape		
P	12/13/2006		265.08	(0.25)	-201.08	1	U.S. Geological Survey	Steel Tape		
P	1/9/2007		266.02	0.94	-202.02	1	U.S. Geological Survey	Steel Tape		
P	2/5/2007		256.24	(9.78)	-192.24	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		255.69	(0.55)	-191.69	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		266.95	11.26	-202.95	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		252.67	(14.28)	-188.67	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/31/2007		250.38	(2.29)	-186.38	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		249.4	(0.98)	-185.4	1	U.S. Geological Survey	Steel Tape		
P	7/26/2007		246.45	(2.95)	-182.45	1	U.S. Geological Survey	Steel Tape		
P	8/24/2007		246.25	(0.20)	-182.25	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		246.52	0.27	-182.52	1	U.S. Geological Survey	Steel Tape		
P	10/18/2007		248.42	1.90	-184.42	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		248.51	0.09	-184.51	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		244.43	(4.08)	-180.43	1	U.S. Geological Survey	Steel Tape		
P	1/7/2008		244.11	(0.32)	-180.11	1	U.S. Geological Survey	Steel Tape		
P	2/12/2008		241.04	(3.07)	-177.04	1	U.S. Geological Survey	Steel Tape		
P	3/13/2008		238.35	(2.69)	-174.35	1	U.S. Geological Survey	Steel Tape		
P	4/15/2008		240.09	1.74	-176.09	1	U.S. Geological Survey	Steel Tape		
P	5/8/2008		240.05	(0.04)	-176.05	1	U.S. Geological Survey	Steel Tape		
P	6/9/2008		246.74	6.69	-182.74	1	U.S. Geological Survey	Steel Tape		
P	7/11/2008		250.47	3.73	-186.47	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		255.88	5.41	-191.88	1	U.S. Geological Survey	Steel Tape		
P	10/2/2008		272.31	16.43	-208.31	1	U.S. Geological Survey	Steel Tape		
P	10/30/2008		263.59	(8.72)	-199.59	1	U.S. Geological Survey	Steel Tape		
P	11/26/2008		264.26	0.67	-200.26	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		284.93	20.67	-220.93	1	U.S. Geological Survey	Steel Tape		
P	1/22/2009		289.76	4.83	-225.76	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		287.32	(2.44)	-223.32	1	U.S. Geological Survey	Steel Tape		
P	4/3/2009		282.71	(4.61)	-218.71	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		292.29	9.58	-228.29	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		296.44	4.15	-232.44	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		302.72	6.28	-238.72	1	U.S. Geological Survey	Steel Tape		
P	7/21/2009		310.04	7.32	-246.04	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		309.59	(0.45)	-245.59	1	U.S. Geological Survey	Steel Tape		
P	9/17/2009		290.23	(19.36)	-226.23	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		277.41	(12.82)	-213.41	1	U.S. Geological Survey	Steel Tape		
P	11/13/2009		277.86	0.45	-213.86	1	U.S. Geological Survey	Steel Tape		
P	12/9/2009		267.52	(10.34)	-203.52	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		270.26	2.74	-206.26	1	U.S. Geological Survey	Steel Tape		
P	2/9/2010		283.67	13.41	-219.67	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		281.32	(2.35)	-217.32	1	U.S. Geological Survey	Steel Tape		
P	3/30/2010		281.29	(0.03)	-217.29	1	U.S. Geological Survey	Steel Tape		
P	7/28/2010		249.37	(31.92)	-185.37	1	U.S. Geological Survey	Electric Line		
P	10/20/2010		247.25	(2.12)	-183.25	1	U.S. Geological Survey	Steel Tape		
P	1/3/2011		243.18	(4.07)	-179.18	1	U.S. Geological Survey	Steel Tape		
P	5/12/2011		241.46	(1.72)	-177.46	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		273.45	31.99	-209.45	1	U.S. Geological Survey	Steel Tape		
P	10/7/2011		295.39	21.94	-231.39	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-227

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/24/2012		280.96	(14.43)	-216.96	1	U.S. Geological Survey	Steel Tape		
P	4/19/2012		252.48	(28.48)	-188.48	1	U.S. Geological Survey	Steel Tape		
P	7/5/2012		280.9	28.42	-216.9	1	U.S. Geological Survey	Steel Tape		
P	10/15/2012		263.89	(17.01)	-199.89	1	U.S. Geological Survey	Steel Tape		
P	1/8/2013		251.73	(12.16)	-187.73	1	U.S. Geological Survey	Steel Tape		
P	4/30/2013		239.59	(12.14)	-175.59	1	U.S. Geological Survey	Steel Tape		
P	7/24/2013		251.39	11.80	-187.39	1	U.S. Geological Survey	Steel Tape		
P	1/30/2014		246.17	(5.22)	-182.17	1	U.S. Geological Survey	Electric Line		
P	7/11/2014		265.81	19.64	-201.81	1	U.S. Geological Survey	Electric Line		
P	10/10/2014		267.54	1.73	-203.54	1	U.S. Geological Survey	Steel Tape		
P	1/20/2015		233.58	(33.96)	-169.58	1	U.S. Geological Survey	Electric Line		
P	4/27/2015	1349	227.08	(6.50)	-163.08	1	U.S. Geological Survey	Electric Line		
P	10/29/2015	1029	253.57	26.49	-189.57	1	U.S. Geological Survey	Electric Line		
Q	1/20/2016	1330	267.08	13.51	-203.08	1	U.S. Geological Survey	Electric Line	2	
Q	7/1/2016	0857	258.67	(8.41)	-194.67	1	U.S. Geological Survey	Electric Line	3	
Q	10/21/2016	1020	268.92	10.25	-204.92	1	U.S. Geological Survey	Electric Line	2	
Q	1/31/2017	1120	274.26	5.34	-210.26	1	U.S. Geological Survey	Electric Line	2	
P	4/20/2017	1054	246.02	(28.24)	-182.02	1	U.S. Geological Survey	Electric Line		
Q	8/16/2017	1054	248.45	2.43	-184.45	1	U.S. Geological Survey	Electric Line	3	
P	1/30/2018	1125	268.27	19.82	-204.27	1	U.S. Geological Survey	Electric Line		
P	4/18/2018	1246	261.64	(6.63)	-197.64	1	U.S. Geological Survey	Electric Line		
P	7/19/2018	1101	273.12	11.48	-209.12	1	U.S. Geological Survey	Electric Line		
P	10/18/2018	1045	259.07	(14.05)	-195.07	1	U.S. Geological Survey	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
3	Well or wells pumping nearby

Water Quality Analysis

Sample Date: 4/5/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		660	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-228

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by RS SONENSHEIN Source of data DRILLER & OBS Date 4-10-80 Map BELLAIRE, TEX 1967 1:24,000

State TEXAS 4 8 County (or town) HARRIS L J

Latitude: 2 9 4 3 3 8 N (deg, min, sec) Longitude: 0 9 5 2 7 0 4 (degrees, min, sec) Sequential number: 5

Lat-long accuracy: T ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼ B & M

Local well number: LJ-65-21-228 Other number: SOUTHWEST No. 5

Local use: Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

Owner or name: HGCSD Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist 5

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. Ø

DATA AVAILABLE: Well data 2 Freq. W/L meas.: MONTHLY M Field aquifer char.

Hyd. lab. data:

Qual. water data; type: partial P

Freq. sampling: ORIGINAL Ø Pumpage inventory: yes no period:

Aperture cards: yes

Log data: DRILLER'S D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 253 ft 253 Meas. rept accuracy 3

Depth cased: (first perf.) 238 ft 238 Casing type: Steel ; Diam. 4½-2½ in 4

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: APR 80 980 Pump intake setting: NONE ft

Driller: O'DAY DRLG CO (name), PEARLAND, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other N Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. — Trans. or meter no. —

Descrip. MP Top of collar +2.5 ft above below LSD, Alt. MP

Alt. LSD: 64 64 Accuracy: (source) 5' TOPO 3

Water Level 177.40 ft above below MP; Ft above below LSD 177 Accuracy: steel tape A

Date meas: 5-6-80 580 Yield: 4 gpm 4 Method determined 1

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm PH 8.4 ppm 8 Chloride ppm HCO3 Hard. 230 ppm 6

Sp. Conduct 520 K x 10^6 4 Temp. 72 °F 72 Date sampled 4-9-80 480

Taste, color, etc.

Well No.

Well No. LJ-65-21-228

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: _____ 03 (20–21) Section: _____

F (22) Drainage Basin: _____ 51R (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27) F

MAJOR AQUIFER: _____ system, _____ series (28–29) LOWER CHICOT aquifer; formation, group (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: 16 ft

16 (35–37) Length of well open to: 10 ft 10 (38–40) Depth to top of: 238 ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: 238-248 SSWW HARLAN NO. 10 Ga 2½" OD

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

sample for water quality obtained by jetting with air

Well No.

GPO 857-700

DUP

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-21-2E
Located on map YES
Received: TH

1) **OWNER** Harris-Galveston Coastal Subsidence District (Name) Address P. O. Box 58847 (Street or RFD) Houston, Texas (City) (State) 77058 (Zip)

2) **LOCATION OF WELL:** County Harris 5 miles in S.W. (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **Legal description:**
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) **TYPE OF WORK** (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check):
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☒ Test Well ☐ Other _____

5) **DRILLING METHOD** (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) **WELL LOG:**
#2
Date drilled 2-1-80

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8-1/2	Surface	1943

7) **BOREHOLE COMPLETION:**
☐ Open Hole ☒ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
		See Attached

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4½	N	Steel	+2	1923	.23
2½	N	Steel	1913	1928	
2½	N	SST Screen	1928	1938	
2½	N	Steel	1938	1943	

CEMENTING DATA
Cemented from 0 ft. to 1923 ft.
Method used Pressure
Cemented by Halliburton (Company or Individual)

9) **WATER LEVEL:**
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

10) **PACKERS:** Type Lead Depth 1913

11) **TYPE PUMP:**
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

(Use reverse side if necessary)

12) **WELL TESTS:**
☐ Type Test: ☐ Pump ☐ Bailer ☒ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

13) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore Road (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

(Signed) James O'Connor (Water Well Driller)

LAYNE-WESTERN COMPANY, INC. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

65-21-229

TDWR-0392 (Rev. 1-12-79)

2103

DEPARTMENT OF WATER RESOURCES COPY

Layne-Western Company, Inc. A Marley Company

P.O. Box 79009 · Houston, Texas 77079 · 713/466-5001

L O G - Well #5 Southwest Plant Site

0	3	Top Soil
2	31	Clay
31	65	Sand
65	90	Clay
90	128	Sand
128	210	Clay
210	253	Sand

65-21-228

EXHIBIT C

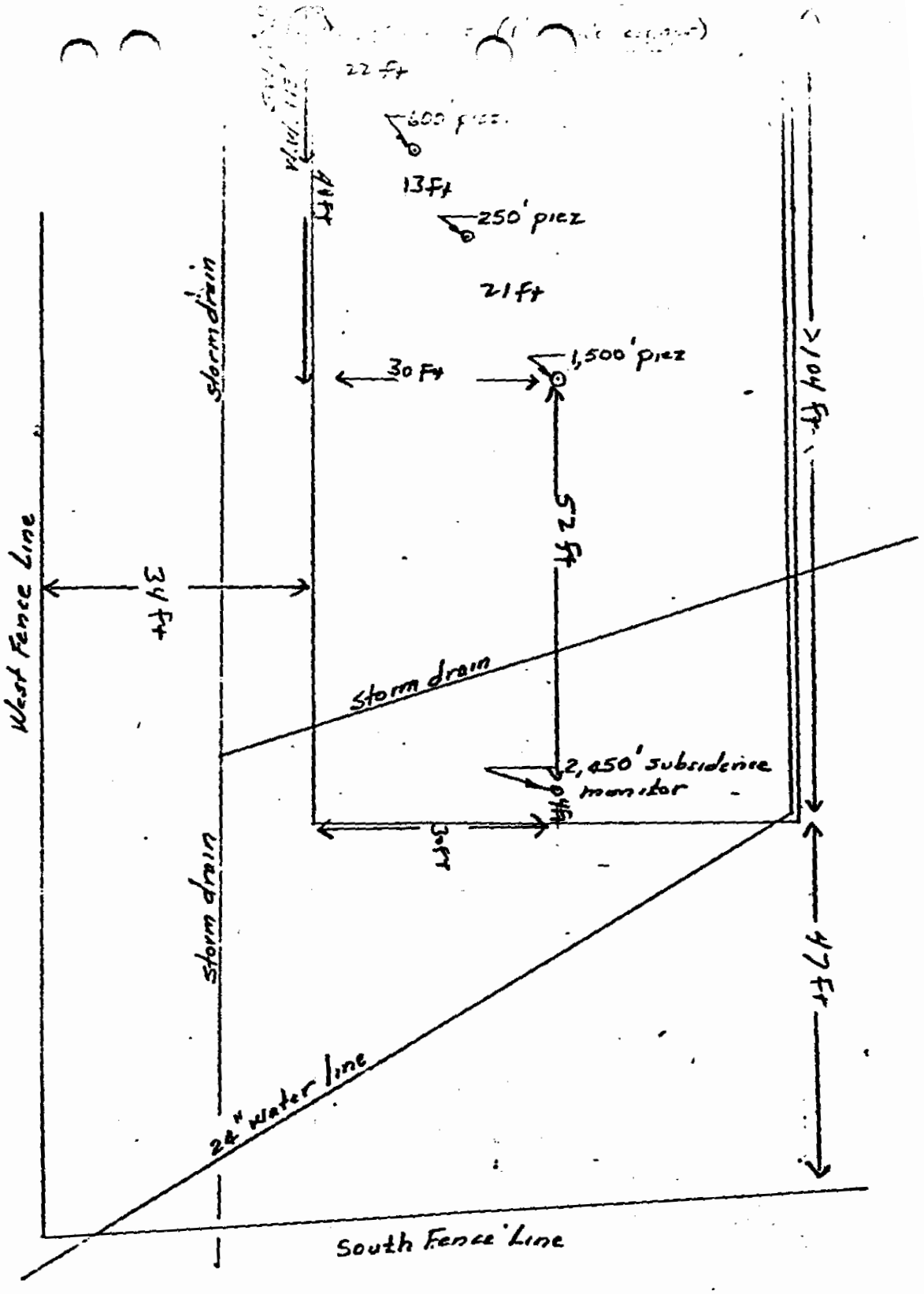
SUBSIDENCE MONITOR/PIEZOMETERS WELL SYSTEM CONSTRUCTION SITE

SOUTHWEST

The construction site is located adjacent to, and west of, the concrete lined drainage ditch running north to south in the City of Houston Southwest Well Field Plant Yard; said Plant Yard being an 11.89-acre tract located in the M. B. Gray Survey, Abstract 284, bounded on the north side by U. S. Highway 59 (the Southwest Freeway), on the west side by Newcastle, and on the southside by Westpark Drive.

60' along property line

65-21-228



Entrance to plant yard

Southwest site
Layout of piezometers and subsidence monitor
scale: 1" = 20'

65-21-228

HOUSTON
2107

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-228

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521228
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7275
Latitude (degrees minutes seconds)	29° 43' 39" N
Longitude (decimal degrees)	-95.451389
Longitude (degrees minutes seconds)	095° 27' 05" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	253
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Coast Subsidence Dist.,S.W.
Driller	Layne Western
Other Data Available	Drillers Log; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294338095270405
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	Southwest #5
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	8/20/1996
Last Update Date	8/20/1996

Remarks	Owner Coastal Subsidence District, Southwest, well #5.

Casing - No Data

Well Tests - No Data

Lithology - No Data

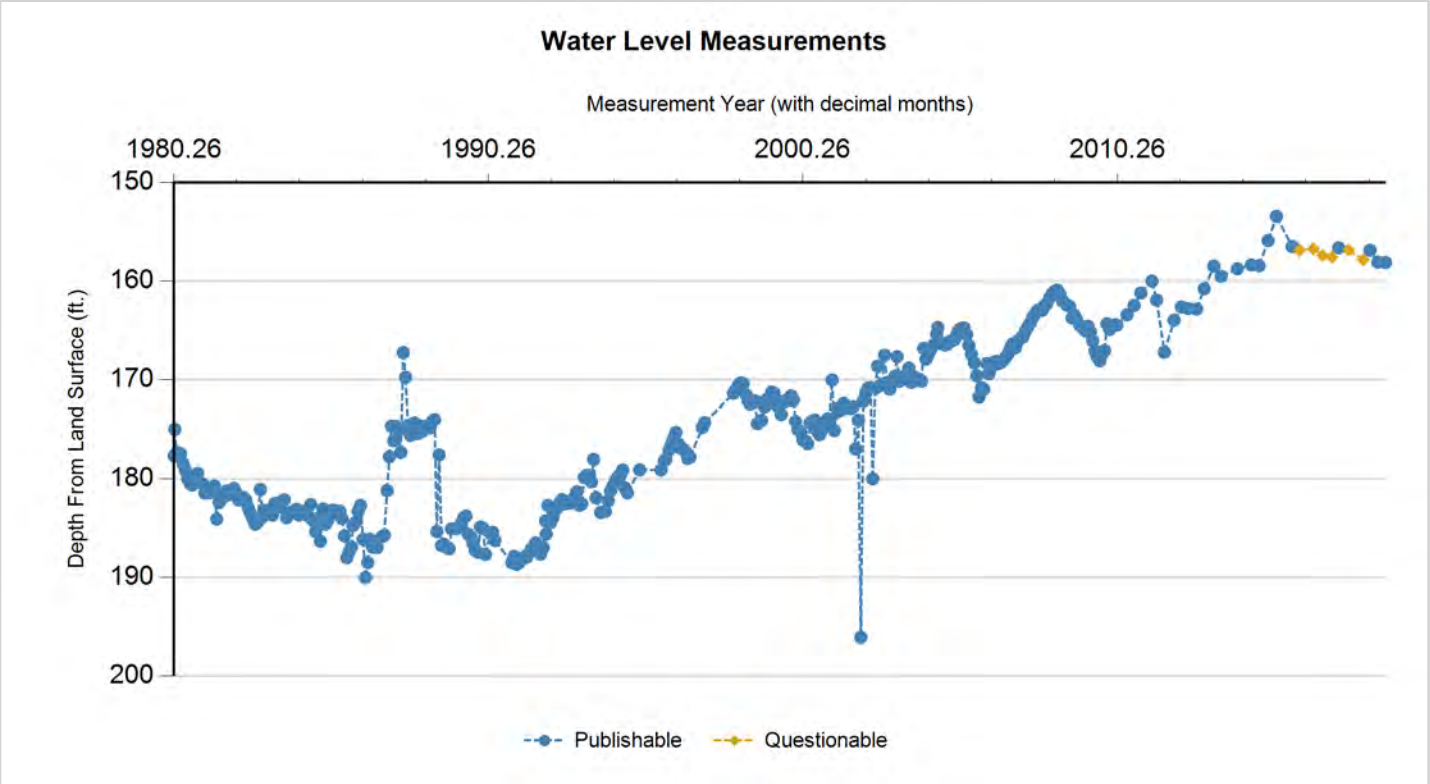
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/9/1980		177.67		-113.67	1	U.S. Geological Survey	Steel Tape		
P	4/9/1980		177.67	0.00	-113.67	2	Registered Water Well Driller	Unknown		
P	4/16/1980		174.98	(2.69)	-110.98	1	U.S. Geological Survey	Steel Tape		
P	5/6/1980		177.4	2.42	-113.4	1	U.S. Geological Survey	Steel Tape		
P	5/27/1980		177.36	(0.04)	-113.36	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		177.47	0.11	-113.47	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		178.49	1.02	-114.49	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		179.12	0.63	-115.12	1	U.S. Geological Survey	Steel Tape		
P	9/16/1980		179.99	0.87	-115.99	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		180.47	0.48	-116.47	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		180.64	0.17	-116.64	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		179.97	(0.67)	-115.97	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		179.45	(0.52)	-115.45	1	U.S. Geological Survey	Steel Tape		
P	3/5/1981		180.51	1.06	-116.51	1	U.S. Geological Survey	Steel Tape		
P	3/31/1981		181.43	0.92	-117.43	1	U.S. Geological Survey	Steel Tape		
P	4/28/1981		181.32	(0.11)	-117.32	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		181.41	0.09	-117.41	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		181.26	(0.15)	-117.26	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		180.72	(0.54)	-116.72	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		184.07	3.35	-120.07	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		182.39	(1.68)	-118.39	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/13/1981		181.54	(0.85)	-117.54	1	U.S. Geological Survey	Steel Tape		
P	11/13/1981		181.82	0.28	-117.82	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		181.23	(0.59)	-117.23	1	U.S. Geological Survey	Steel Tape		
P	1/6/1982		181.58	0.35	-117.58	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		181.49	(0.09)	-117.49	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		180.96	(0.53)	-116.96	1	U.S. Geological Survey	Steel Tape		
P	3/30/1982		181.47	0.51	-117.47	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		182.15	0.68	-118.15	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		182.08	(0.07)	-118.08	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		181.89	(0.19)	-117.89	1	U.S. Geological Survey	Steel Tape		
P	7/20/1982		182.14	0.25	-118.14	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		182.89	0.75	-118.89	1	U.S. Geological Survey	Steel Tape		
P	9/14/1982		183.5	0.61	-119.5	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		184.09	0.59	-120.09	1	U.S. Geological Survey	Steel Tape		
P	11/9/1982		184.59	0.50	-120.59	1	U.S. Geological Survey	Steel Tape		
P	12/7/1982		184.4	(0.19)	-120.4	1	U.S. Geological Survey	Steel Tape		
P	1/4/1983		181.08	(3.32)	-117.08	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		183.85	2.77	-119.85	1	U.S. Geological Survey	Steel Tape		
P	3/2/1983		183.21	(0.64)	-119.21	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		183.25	0.04	-119.25	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		183.31	0.06	-119.31	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		183.68	0.37	-119.68	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		182.5	(1.18)	-118.5	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		182.71	0.21	-118.71	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		182.84	0.13	-118.84	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		182.3	(0.54)	-118.3	1	U.S. Geological Survey	Steel Tape		
P	10/12/1983		182.13	(0.17)	-118.13	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		183.94	1.81	-119.94	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		183.46	(0.48)	-119.46	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		183.33	(0.13)	-119.33	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		183.42	0.09	-119.42	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		183.08	(0.34)	-119.08	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		183.66	0.58	-119.66	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		183.47	(0.19)	-119.47	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		183.29	(0.18)	-119.29	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		183.4	0.11	-119.4	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		183.78	0.38	-119.78	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		182.59	(1.19)	-118.59	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		184.23	1.64	-120.23	1	U.S. Geological Survey	Steel Tape		
P	10/10/1984		185.34	1.11	-121.34	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		184.02	(1.32)	-120.02	1	U.S. Geological Survey	Steel Tape		
P	12/5/1984		186.33	2.31	-122.33	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/2/1985		183.05	(3.28)	-119.05	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		184.59	1.54	-120.59	1	U.S. Geological Survey	Steel Tape		
P	2/27/1985		184.17	(0.42)	-120.17	1	U.S. Geological Survey	Steel Tape		
P	3/27/1985		183.69	(0.48)	-119.69	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		183.16	(0.53)	-119.16	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		183.31	0.15	-119.31	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		183.49	0.18	-119.49	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		183.27	(0.22)	-119.27	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		184.03	0.76	-120.03	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		185.78	1.75	-121.78	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		187.99	2.21	-123.99	1	U.S. Geological Survey	Steel Tape		
P	11/5/1985		187.4	(0.59)	-123.4	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		186.91	(0.49)	-122.91	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		184.73	(2.18)	-120.73	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		184.41	(0.32)	-120.41	1	U.S. Geological Survey	Steel Tape		
P	2/13/1986		183.27	(1.14)	-119.27	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		182.69	(0.58)	-118.69	1	U.S. Geological Survey	Unknown		
P	4/11/1986		186.14	3.45	-122.14	1	U.S. Geological Survey	Unknown		
P	5/9/1986		190.01	3.87	-126.01	1	U.S. Geological Survey	Unknown		
P	6/5/1986		188.48	(1.53)	-124.48	1	U.S. Geological Survey	Unknown		
P	7/3/1986		186.12	(2.36)	-122.12	1	U.S. Geological Survey	Unknown		
P	7/31/1986		186.91	0.79	-122.91	1	U.S. Geological Survey	Unknown		
P	8/28/1986		186.88	(0.03)	-122.88	1	U.S. Geological Survey	Unknown		
P	9/25/1986		186.96	0.08	-122.96	1	U.S. Geological Survey	Unknown		
P	11/20/1986		185.86	(1.10)	-121.86	1	U.S. Geological Survey	Unknown		
P	12/17/1986		185.72	(0.14)	-121.72	1	U.S. Geological Survey	Unknown		
P	1/15/1987		181.18	(4.54)	-117.18	1	U.S. Geological Survey	Unknown		
P	2/12/1987		177.76	(3.42)	-113.76	1	U.S. Geological Survey	Unknown		
P	3/6/1987		174.66	(3.10)	-110.66	1	U.S. Geological Survey	Unknown		
P	4/2/1987		176.12	1.46	-112.12	1	U.S. Geological Survey	Unknown		
P	4/30/1987		174.69	(1.43)	-110.69	1	U.S. Geological Survey	Unknown		
P	5/28/1987		175.07	0.38	-111.07	1	U.S. Geological Survey	Unknown		
P	6/25/1987		177.31	2.24	-113.31	1	U.S. Geological Survey	Unknown		
P	7/23/1987		167.25	(10.06)	-103.25	1	U.S. Geological Survey	Unknown		
P	8/20/1987		169.77	2.52	-105.77	1	U.S. Geological Survey	Unknown		
P	9/17/1987		174.6	4.83	-110.6	1	U.S. Geological Survey	Unknown		
P	10/16/1987		175.6	1.00	-111.6	1	U.S. Geological Survey	Unknown		
P	11/12/1987		174.96	(0.64)	-110.96	1	U.S. Geological Survey	Unknown		
P	12/3/1987		174.33	(0.63)	-110.33	1	U.S. Geological Survey	Unknown		
P	1/7/1988		175.4	1.07	-111.4	1	U.S. Geological Survey	Unknown		
P	2/4/1988		174.62	(0.78)	-110.62	1	U.S. Geological Survey	Unknown		
P	3/3/1988		175.16	0.54	-111.16	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/31/1988		174.93	(0.23)	-110.93	1	U.S. Geological Survey	Unknown		
P	4/28/1988		174.67	(0.26)	-110.67	1	U.S. Geological Survey	Unknown		
P	5/26/1988		174.83	0.16	-110.83	1	U.S. Geological Survey	Unknown		
P	6/23/1988		174.2	(0.63)	-110.2	1	U.S. Geological Survey	Unknown		
P	7/21/1988		174.01	(0.19)	-110.01	1	U.S. Geological Survey	Unknown		
P	8/18/1988		185.35	11.34	-121.35	1	U.S. Geological Survey	Unknown		
P	9/14/1988		177.56	(7.79)	-113.56	1	U.S. Geological Survey	Unknown		
P	10/13/1988		186.75	9.19	-122.75	1	U.S. Geological Survey	Unknown		
P	11/9/1988		186.62	(0.13)	-122.62	1	U.S. Geological Survey	Unknown		
P	12/8/1988		186.94	0.32	-122.94	1	U.S. Geological Survey	Unknown		
P	1/5/1989		187.09	0.15	-123.09	1	U.S. Geological Survey	Unknown		
P	2/2/1989		185.07	(2.02)	-121.07	1	U.S. Geological Survey	Unknown		
P	3/29/1989		185.05	(0.02)	-121.05	1	U.S. Geological Survey	Unknown		
P	4/27/1989		184.93	(0.12)	-120.93	1	U.S. Geological Survey	Unknown		
P	5/25/1989		184.52	(0.41)	-120.52	1	U.S. Geological Survey	Unknown		
P	6/22/1989		183.98	(0.54)	-119.98	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		183.77	(0.21)	-119.77	1	U.S. Geological Survey	Unknown		
P	8/17/1989		185.6	1.83	-121.6	1	U.S. Geological Survey	Unknown		
P	9/14/1989		185.83	0.23	-121.83	1	U.S. Geological Survey	Unknown		
P	10/12/1989		186.54	0.71	-122.54	1	U.S. Geological Survey	Unknown		
P	11/8/1989		187.25	0.71	-123.25	1	U.S. Geological Survey	Unknown		
P	12/7/1989		187.44	0.19	-123.44	1	U.S. Geological Survey	Unknown		
P	1/4/1990		184.89	(2.55)	-120.89	1	U.S. Geological Survey	Steel Tape		
P	1/8/1990		184.89	0.00	-120.89	1	U.S. Geological Survey	Unknown		
P	2/1/1990		185	0.11	-121	1	U.S. Geological Survey	Unknown		
P	3/2/1990		187.66	2.66	-123.66	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		185.5	(2.16)	-121.5	1	U.S. Geological Survey	Steel Tape		
P	5/24/1990		185.41	(0.09)	-121.41	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		186.24	0.83	-122.24	1	U.S. Geological Survey	Steel Tape		
P	1/4/1991		188.5	2.26	-124.5	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		187.85	(0.65)	-123.85	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		188.67	0.82	-124.67	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		188.52	(0.15)	-124.52	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		188.09	(0.43)	-124.09	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		187.94	(0.15)	-123.94	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		187.95	0.01	-123.95	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		187.58	(0.37)	-123.58	1	U.S. Geological Survey	Steel Tape		
P	8/20/1991		187.1	(0.48)	-123.1	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		187.26	0.16	-123.26	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		186.48	(0.78)	-122.48	1	U.S. Geological Survey	Steel Tape		
P	11/7/1991		187.33	0.85	-123.33	1	U.S. Geological Survey	Steel Tape		
P	12/6/1991		187.63	0.30	-123.63	1	U.S. Geological Survey	Steel Tape		

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P	1/2/1992		186.97	(0.66)	-122.97	1	U.S. Geological Survey	Steel Tape		
P	1/30/1992		184.26	(2.71)	-120.26	1	U.S. Geological Survey	Steel Tape		
P	2/7/1992		185.6	1.34	-121.6	1	U.S. Geological Survey	Steel Tape		
P	2/26/1992		182.69	(2.91)	-118.69	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		184.46	1.77	-120.46	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		183.96	(0.50)	-119.96	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		183.2	(0.76)	-119.2	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		182.91	(0.29)	-118.91	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		182.4	(0.51)	-118.4	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		182.1	(0.30)	-118.1	1	U.S. Geological Survey	Steel Tape		
P	9/9/1992		182.52	0.42	-118.52	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		182.39	(0.13)	-118.39	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		182.46	0.07	-118.46	1	U.S. Geological Survey	Steel Tape		
P	12/3/1992		182.19	(0.27)	-118.19	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		181.93	(0.26)	-117.93	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		181.3	(0.63)	-117.3	1	U.S. Geological Survey	Steel Tape		
P	2/26/1993		182.69	1.39	-118.69	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		182.54	(0.15)	-118.54	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		179.86	(2.68)	-115.86	1	U.S. Geological Survey	Steel Tape		
P	5/20/1993		179.66	(0.20)	-115.66	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		179.65	(0.01)	-115.65	1	U.S. Geological Survey	Steel Tape		
P	7/16/1993		180.29	0.64	-116.29	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		178.02	(2.27)	-114.02	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		181.93	3.91	-117.93	1	U.S. Geological Survey	Steel Tape		
P	11/4/1993		183.4	1.47	-119.4	1	U.S. Geological Survey	Unknown		
P	12/29/1993		183.29	(0.11)	-119.29	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		182.2	(1.09)	-118.2	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		181.22	(0.98)	-117.22	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		180.69	(0.53)	-116.69	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		180.19	(0.50)	-116.19	1	U.S. Geological Survey	Steel Tape		
P	5/19/1994		179.8	(0.39)	-115.8	1	U.S. Geological Survey	Steel Tape		
P	6/17/1994		179.6	(0.20)	-115.6	1	U.S. Geological Survey	Steel Tape		
P	7/14/1994		179.1	(0.50)	-115.1	1	U.S. Geological Survey	Steel Tape		
P	8/11/1994		180.93	1.83	-116.93	1	U.S. Geological Survey	Steel Tape		
P	9/8/1994		181.41	0.48	-117.41	1	U.S. Geological Survey	Steel Tape		
P	1/26/1995		179.09	(2.32)	-115.09	1	U.S. Geological Survey	Steel Tape		
P	10/4/1995		179.1	0.01	-115.1	1	U.S. Geological Survey	Steel Tape		
P	11/14/1995		178.16	(0.94)	-114.16	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		177.99	(0.17)	-113.99	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		177.08	(0.91)	-113.08	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		176.57	(0.51)	-112.57	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		175.94	(0.63)	-111.94	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/21/1996		175.3	(0.64)	-111.3	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		176.44	1.14	-112.44	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		176.89	0.45	-112.89	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		176.98	0.09	-112.98	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		177.2	0.22	-113.2	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		177.93	0.73	-113.93	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		177.81	(0.12)	-113.81	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		174.81	(3.00)	-110.81	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		174.32	(0.49)	-110.32	1	U.S. Geological Survey	Steel Tape		
P	1/20/1998		171.38	(2.94)	-107.38	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		171.02	(0.36)	-107.02	1	U.S. Geological Survey	Steel Tape		
P	3/18/1998		170.56	(0.46)	-106.56	1	U.S. Geological Survey	Steel Tape		
P	4/14/1998		170.33	(0.23)	-106.33	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		170.42	0.09	-106.42	1	U.S. Geological Survey	Steel Tape		
P	6/20/1998		171.57	1.15	-107.57	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		172.09	0.52	-108.09	1	U.S. Geological Survey	Steel Tape		
P	8/6/1998		172.44	0.35	-108.44	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		172.26	(0.18)	-108.26	1	U.S. Geological Survey	Steel Tape		
P	10/2/1998		172.15	(0.11)	-108.15	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		174.41	2.26	-110.41	1	U.S. Geological Survey	Steel Tape		
P	12/17/1998		174.06	(0.35)	-110.06	1	U.S. Geological Survey	Steel Tape		
P	1/16/1999		172.72	(1.34)	-108.72	1	U.S. Geological Survey	Unknown		
P	2/11/1999		172	(0.72)	-108	1	U.S. Geological Survey	Unknown		
P	3/15/1999		172.34	0.34	-108.34	1	U.S. Geological Survey	Steel Tape		
P	4/9/1999		171.24	(1.10)	-107.24	1	U.S. Geological Survey	Steel Tape		
P	5/6/1999		171.35	0.11	-107.35	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		172.03	0.68	-108.03	1	U.S. Geological Survey	Steel Tape		
P	6/29/1999		172.76	0.73	-108.76	1	U.S. Geological Survey	Steel Tape		
P	7/30/1999		173.5	0.74	-109.5	1	U.S. Geological Survey	Steel Tape		
P	8/26/1999		172.23	(1.27)	-108.23	1	U.S. Geological Survey	Steel Tape		
P	9/23/1999		172.16	(0.07)	-108.16	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		171.99	(0.17)	-107.99	1	U.S. Geological Survey	Steel Tape		
P	11/23/1999		171.64	(0.35)	-107.64	1	U.S. Geological Survey	Steel Tape		
P	12/21/1999		172.06	0.42	-108.06	1	U.S. Geological Survey	Steel Tape		
P	1/11/2000		174.2	2.14	-110.2	1	U.S. Geological Survey	Steel Tape		
P	2/9/2000		175.02	0.82	-111.02	1	U.S. Geological Survey	Steel Tape		
P	3/9/2000		175.24	0.22	-111.24	1	U.S. Geological Survey	Steel Tape		
P	4/6/2000		176.07	0.83	-112.07	1	U.S. Geological Survey	Steel Tape		
P	5/8/2000		176.17	0.10	-112.17	1	U.S. Geological Survey	Steel Tape		
P	5/31/2000		176.44	0.27	-112.44	1	U.S. Geological Survey	Steel Tape		
P	6/29/2000		174.33	(2.11)	-110.33	1	U.S. Geological Survey	Steel Tape		
P	7/26/2000		174.15	(0.18)	-110.15	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/25/2000		174.05	(0.10)	-110.05	1	U.S. Geological Survey	Steel Tape		
P	9/20/2000		175.14	1.09	-111.14	1	U.S. Geological Survey	Steel Tape		
P	10/19/2000		175.52	0.38	-111.52	1	U.S. Geological Survey	Steel Tape		
P	11/16/2000		175.06	(0.46)	-111.06	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		174.62	(0.44)	-110.62	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		173.91	(0.71)	-109.91	1	U.S. Geological Survey	Steel Tape		
P	2/9/2001		174.17	0.26	-110.17	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		170.04	(4.13)	-106.04	1	U.S. Geological Survey	Steel Tape		
P	4/6/2001		175.11	5.07	-111.11	1	U.S. Geological Survey	Steel Tape		
P	5/15/2001		173.18	(1.93)	-109.18	1	U.S. Geological Survey	Steel Tape		
P	5/31/2001		172.82	(0.36)	-108.82	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		173.04	0.22	-109.04	1	U.S. Geological Survey	Steel Tape		
P	7/25/2001		172.4	(0.64)	-108.4	1	U.S. Geological Survey	Steel Tape		
P	8/22/2001		172.77	0.37	-108.77	1	U.S. Geological Survey	Steel Tape		
P	9/19/2001		172.85	0.08	-108.85	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		172.89	0.04	-108.89	1	U.S. Geological Survey	Steel Tape		
P	11/14/2001		172.74	(0.15)	-108.74	1	U.S. Geological Survey	Steel Tape		
P	12/14/2001		176.97	4.23	-112.97	1	U.S. Geological Survey	Steel Tape		
P	1/9/2002		174.07	(2.90)	-110.07	1	U.S. Geological Survey	Steel Tape		
P	2/8/2002		196.05	21.98	-132.05	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		172.15	(23.90)	-108.15	1	U.S. Geological Survey	Steel Tape		
P	4/4/2002		171.39	(0.76)	-107.39	1	U.S. Geological Survey	Steel Tape		
P	5/1/2002		170.85	(0.54)	-106.85	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		170.82	(0.03)	-106.82	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		179.99	9.17	-115.99	1	U.S. Geological Survey	Steel Tape		
P	7/25/2002		170.9	(9.09)	-106.9	1	U.S. Geological Survey	Steel Tape		
P	8/23/2002		168.64	(2.26)	-104.64	1	U.S. Geological Survey	Steel Tape		
P	9/19/2002		170.63	1.99	-106.63	1	U.S. Geological Survey	Steel Tape		
P	10/16/2002		170.52	(0.11)	-106.52	1	U.S. Geological Survey	Steel Tape		
P	11/14/2002		167.53	(2.99)	-103.53	1	U.S. Geological Survey	Steel Tape		
P	12/11/2002		170.33	2.80	-106.33	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		170.97	0.64	-106.97	1	U.S. Geological Survey	Steel Tape		
P	2/5/2003		170.29	(0.68)	-106.29	1	U.S. Geological Survey	Steel Tape		
P	3/7/2003		169.69	(0.60)	-105.69	1	U.S. Geological Survey	Steel Tape		
P	4/4/2003		167.67	(2.02)	-103.67	1	U.S. Geological Survey	Steel Tape		
P	5/1/2003		170.18	2.51	-106.18	1	U.S. Geological Survey	Steel Tape		
P	5/30/2003		169.72	(0.46)	-105.72	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		169.94	0.22	-105.94	1	U.S. Geological Survey	Steel Tape		
P	7/23/2003		169.62	(0.32)	-105.62	1	U.S. Geological Survey	Steel Tape		
P	8/21/2003		168.83	(0.79)	-104.83	1	U.S. Geological Survey	Steel Tape		
P	9/18/2003		170.28	1.45	-106.28	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		169.69	(0.59)	-105.69	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/14/2003		170.08	0.39	-106.08	1	U.S. Geological Survey	Steel Tape		
P	12/10/2003		169.93	(0.15)	-105.93	1	U.S. Geological Survey	Steel Tape		
P	1/12/2004		170.15	0.22	-106.15	1	U.S. Geological Survey	Steel Tape		
P	2/6/2004		166.84	(3.31)	-102.84	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		167.92	1.08	-103.92	1	U.S. Geological Survey	Steel Tape		
P	4/1/2004		167.46	(0.46)	-103.46	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		166.93	(0.53)	-102.93	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		166.53	(0.40)	-102.53	1	U.S. Geological Survey	Steel Tape		
P	7/9/2004		165.41	(1.12)	-101.41	1	U.S. Geological Survey	Steel Tape		
P	7/21/2004		164.71	(0.70)	-100.71	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		166.34	1.63	-102.34	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		166.36	0.02	-102.36	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		166.49	0.13	-102.49	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		166.44	(0.05)	-102.44	1	U.S. Geological Survey	Steel Tape		
P	12/7/2004		166.14	(0.30)	-102.14	1	U.S. Geological Survey	Steel Tape		
P	1/4/2005		166.06	(0.08)	-102.06	1	U.S. Geological Survey	Steel Tape		
P	2/3/2005		165.92	(0.14)	-101.92	1	U.S. Geological Survey	Steel Tape		
P	3/1/2005		165.32	(0.60)	-101.32	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		164.91	(0.41)	-100.91	1	U.S. Geological Survey	Steel Tape		
P	4/28/2005		164.79	(0.12)	-100.79	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		164.77	(0.02)	-100.77	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		165.43	0.66	-101.43	1	U.S. Geological Survey	Steel Tape		
P	7/18/2005		166.53	1.10	-102.53	1	U.S. Geological Survey	Steel Tape		
P	8/17/2005		167.44	0.91	-103.44	1	U.S. Geological Survey	Steel Tape		
P	9/21/2005		168.31	0.87	-104.31	1	U.S. Geological Survey	Steel Tape		
P	10/19/2005		169.61	1.30	-105.61	1	U.S. Geological Survey	Steel Tape		
P	11/15/2005		171.75	2.14	-107.75	1	U.S. Geological Survey	Steel Tape		
P	12/13/2005		170.85	(0.90)	-106.85	1	U.S. Geological Survey	Steel Tape		
P	1/5/2006		170.98	0.13	-106.98	1	U.S. Geological Survey	Steel Tape		
P	2/9/2006		168.37	(2.61)	-104.37	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		169.4	1.03	-105.4	1	U.S. Geological Survey	Steel Tape		
P	4/6/2006		168.68	(0.72)	-104.68	1	U.S. Geological Survey	Steel Tape		
P	5/4/2006		168.25	(0.43)	-104.25	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		168.14	(0.11)	-104.14	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		168.37	0.23	-104.37	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		168.23	(0.14)	-104.23	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		168.03	(0.20)	-104.03	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		167.66	(0.37)	-103.66	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		167.31	(0.35)	-103.31	1	U.S. Geological Survey	Steel Tape		
P	11/15/2006		166.75	(0.56)	-102.75	1	U.S. Geological Survey	Steel Tape		
P	12/13/2006		166.37	(0.38)	-102.37	1	U.S. Geological Survey	Steel Tape		
P	1/9/2007		166.75	0.38	-102.75	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/5/2007		166.07	(0.68)	-102.07	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		165.76	(0.31)	-101.76	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		165.67	(0.09)	-101.67	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		165.08	(0.59)	-101.08	1	U.S. Geological Survey	Steel Tape		
P	5/31/2007		164.66	(0.42)	-100.66	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		164.27	(0.39)	-100.27	1	U.S. Geological Survey	Steel Tape		
P	7/30/2007		163.66	(0.61)	-99.66	1	U.S. Geological Survey	Steel Tape		
P	8/24/2007		163.36	(0.30)	-99.36	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		163.02	(0.34)	-99.02	1	U.S. Geological Survey	Steel Tape		
P	10/18/2007		162.9	(0.12)	-98.9	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		162.96	0.06	-98.96	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		162.54	(0.42)	-98.54	1	U.S. Geological Survey	Steel Tape		
P	1/7/2008		162.27	(0.27)	-98.27	1	U.S. Geological Survey	Steel Tape		
P	2/12/2008		161.69	(0.58)	-97.69	1	U.S. Geological Survey	Steel Tape		
P	3/13/2008		161.27	(0.42)	-97.27	1	U.S. Geological Survey	Steel Tape		
P	4/15/2008		161.01	(0.26)	-97.01	1	U.S. Geological Survey	Steel Tape		
P	5/8/2008		160.93	(0.08)	-96.93	1	U.S. Geological Survey	Steel Tape		
P	6/9/2008		161.36	0.43	-97.36	1	U.S. Geological Survey	Steel Tape		
P	7/11/2008		162.04	0.68	-98.04	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		162.42	0.38	-98.42	1	U.S. Geological Survey	Steel Tape		
P	10/2/2008		162.59	0.17	-98.59	1	U.S. Geological Survey	Steel Tape		
P	10/30/2008		163.75	1.16	-99.75	1	U.S. Geological Survey	Steel Tape		
P	11/26/2008		163.47	(0.28)	-99.47	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		163.84	0.37	-99.84	1	U.S. Geological Survey	Steel Tape		
P	1/22/2009		164.46	0.62	-100.46	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		164.83	0.37	-100.83	1	U.S. Geological Survey	Steel Tape		
P	4/3/2009		165.09	0.26	-101.09	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		164.59	(0.50)	-100.59	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		165.17	0.58	-101.17	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		166.07	0.90	-102.07	1	U.S. Geological Survey	Steel Tape		
P	7/21/2009		167.09	1.02	-103.09	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		167.7	0.61	-103.7	1	U.S. Geological Survey	Steel Tape		
P	9/17/2009		168.09	0.39	-104.09	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		167.39	(0.70)	-103.39	1	U.S. Geological Survey	Steel Tape		
P	11/13/2009		167.06	(0.33)	-103.06	1	U.S. Geological Survey	Steel Tape		
P	12/9/2009		164.34	(2.72)	-100.34	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		164.91	0.57	-100.91	1	U.S. Geological Survey	Steel Tape		
P	2/9/2010		164.59	(0.32)	-100.59	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		164.44	(0.15)	-100.44	1	U.S. Geological Survey	Steel Tape		
P	3/30/2010		164.47	0.03	-100.47	1	U.S. Geological Survey	Electric Line		
P	7/28/2010		163.43	(1.04)	-99.43	1	U.S. Geological Survey	Electric Line		
P	10/20/2010		162.48	(0.95)	-98.48	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-228

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/3/2011		161.22	(1.26)	-97.22	1	U.S. Geological Survey	Steel Tape		
P	5/12/2011		160.01	(1.21)	-96.01	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		161.94	1.93	-97.94	1	U.S. Geological Survey	Steel Tape		
P	10/7/2011		167.22	5.28	-103.22	1	U.S. Geological Survey	Steel Tape		
P	1/24/2012		163.97	(3.25)	-99.97	1	U.S. Geological Survey	Steel Tape		
P	4/19/2012		162.63	(1.34)	-98.63	1	U.S. Geological Survey	Steel Tape		
P	7/5/2012		162.8	0.17	-98.8	1	U.S. Geological Survey	Steel Tape		
P	10/15/2012		162.85	0.05	-98.85	1	U.S. Geological Survey	Steel Tape		
P	1/8/2013		160.79	(2.06)	-96.79	1	U.S. Geological Survey	Steel Tape		
P	4/30/2013		158.49	(2.30)	-94.49	1	U.S. Geological Survey	Steel Tape		
P	7/24/2013		159.52	1.03	-95.52	1	U.S. Geological Survey	Steel Tape		
P	1/30/2014		158.76	(0.76)	-94.76	1	U.S. Geological Survey	Electric Line		
P	7/11/2014		158.37	(0.39)	-94.37	1	U.S. Geological Survey	Electric Line		
P	10/10/2014		158.46	0.09	-94.46	1	U.S. Geological Survey	Steel Tape		
P	1/20/2015		155.91	(2.55)	-91.91	1	U.S. Geological Survey	Electric Line		
P	4/27/2015	1424	153.44	(2.47)	-89.44	1	U.S. Geological Survey	Electric Line		
P	10/29/2015	1035	156.5	3.06	-92.5	1	U.S. Geological Survey	Electric Line		
Q	1/20/2016	1335	156.89	0.39	-92.89	1	U.S. Geological Survey	Electric Line	2	
Q	7/1/2016	0851	156.75	(0.14)	-92.75	1	U.S. Geological Survey	Electric Line	3	
Q	10/21/2016	1022	157.42	0.67	-93.42	1	U.S. Geological Survey	Electric Line	2	
Q	1/31/2017	1123	157.58	0.16	-93.58	1	U.S. Geological Survey	Electric Line	2	
P	4/20/2017	1057	156.64	(0.94)	-92.64	1	U.S. Geological Survey	Electric Line		
Q	8/16/2017	1058	156.86	0.22	-92.86	1	U.S. Geological Survey	Electric Line	3	
Q	1/30/2018	1115	157.86	1.00	-93.86	1	U.S. Geological Survey	Electric Line	2	
P	4/18/2018	1252	156.89	(0.97)	-92.89	1	U.S. Geological Survey	Electric Line		
P	7/19/2018	1106	158.09	1.20	-94.09	1	U.S. Geological Survey	Electric Line		
P	10/18/2018	1048	158.14	0.05	-94.14	1	U.S. Geological Survey	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
3	Well or wells pumping nearby

Water Quality Analysis

Sample Date: 4/9/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		230	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		520	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		22	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-229

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by RS SONENSHEIN Source of data DRILLER & OBS Date 4-15-80 Map BELLAIRE, TEX 1967 1:24,000

State TEXAS 4 8 County (or town) HARRIS L J

Latitude: 2 9 4 3 3 8 N (deg, min, sec) Longitude: 0 9 5 2 7 0 4 (degrees, min, sec) Sequential number: 6

Lat-long accuracy: T ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼ ___ B & M

Local well number: LJ-65-21-229 Other number: SOUTHWEST NO. 4

Local use: Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

Owner or name: HGCSD Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist 67 S

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other 68 U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. 69 Ø

DATA AVAILABLE: Well data 2 Freq. W/L meas.: MONTHLY M Field aquifer char. 72

Hyd. lab. data: 73

Qual. water data; type: partial 74 P

Freq. sampling: ORIGINAL Ø Pumpage inventory: yes no period: 76

Aperture cards: yes 77

Log data: DRILLER'S D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 627 ft 627 Meas. rept 24 3

Depth cased: (first perf.) 612 ft 612 Casing type: steel ; Diam. 4½-2½ in accuracy 4

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: APR 1980 980 Pump intake setting: NONE ft

Driller: O'DAY DRLG CO. (name), PEARLAND, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.) (M) multiple, (turb.) (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other N Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. — Trans. or meter no. —

Descrip. MP top of csg. +2.5 ft above below LSD, Alt. MP

Alt. LSD: 64 64 Accuracy: (source) 5' TOPO 47 3

Water Level 314.21 ft above below MP; Ft above below LSD 314 Accuracy: M-SCOPE 52 A

Date meas: 5-6-80 580 Yield: 23 gpm 23 Method determined 1

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

laste, color, etc.

Well No.

65

Well No. CJ-65-21-229

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section:

F (22) Drainage Basin: 51R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat: F (27)

MAJOR AQUIFER: ____ system, ____ series (28–29) LOWER CHICOT aquifer, formation, group (30–31)

Lithology: ____ (32–33) Origin: ____ (34) Aquifer Thickness: 36 ft

36 (35–37) Length of well open to: 10 ft (38–40) Depth to top of: 609 ft 604 (41–43)

MINOR AQUIFER: ____ system, ____ series (44–45) ____ aquifer, formation, group (46–47)

Lithology: ____ (48–49) Origin: ____ (50) Aquifer Thickness: ____ ft

(51–53) Length of well open to: ____ ft (54–56) Depth to top of: ____ ft (57–59)

Intervals Screened: 612-622 SSWC NO. 10 GA 2½" OD

Depth to consolidated rock: ____ ft (60–63) Source of data: ____ (64)

Depth to basement: ____ ft (65–68) Source of data: ____ (69)

Surficial material: ____ (70–71) Infiltration characteristics: ____ (72)

Coefficient Trans: ____ gpd/ft (73–75) Coefficient Storage: ____ (76–78)

Coefficient Perm: ____ gpd/ft²; Spec cap: ____ gpm/ft; Number of geologic cards: ____ (79)

sample for water quality obtained by jetting with air

Well No.

GPO 857-700

Rup

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-21-2E
Located on map YES
Received: TH

1) OWNER Harris-Galveston Coastal Subsidence District (Name) Address P.O. Box 58847 (Street or RFD) Houston, Texas (City) (State) 77058 (Zip)

2) LOCATION OF WELL: County Harris 5 miles in S.W. (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
☒ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☒ Test Well ☐ Other _____

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG: #4
Date drilled 4-15-80

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
7-7/8	Surface	627

7) BOREHOLE COMPLETION: ☐ Open Hole ☒ Straight Wall ☐ Underreamed ☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
		See Attached

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4½	N	Steel	+2	607	.237
2½	N	Steel	597	612	
2½	N	SST Screen	612	622	
2½	N	Steel	622	627	

CEMENTING DATA
Cemented from 0 ft. to 607 ft.
Method used Pressure
Cemented by Halliburton (Company or Individual)

9) WATER LEVEL:
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

10) PACKERS: Type Lead Depth 597

11) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

12) WELL TESTS:
☐ Type Test: ☐ Pump ☐ Bailer ☒ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

(Use reverse side if necessary)

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

(Signed) James O'Connor (Water Well Driller)

LAYNE-WESTERN COMPANY, INC. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

65-21-229

2122

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

Layne-Western Company, Inc. A Marley Company

P.O. Box 79009 · Houston, Texas 77079 · 713/466-5001

L O G - Well #4 Southwest Plant Site

0	2	Top Soil
2	31	Clay
31	65	Sand
65	90	Clay
90	128	Sand
128	210	Clay
210	260	Sand
260	280	Clay
280	300	Sand
300	338	Clay
338	416	Sand
416	430	Clay
430	590	Sand
590	615	Clay
615	627	Sand

65-21-229

EXHIBIT C

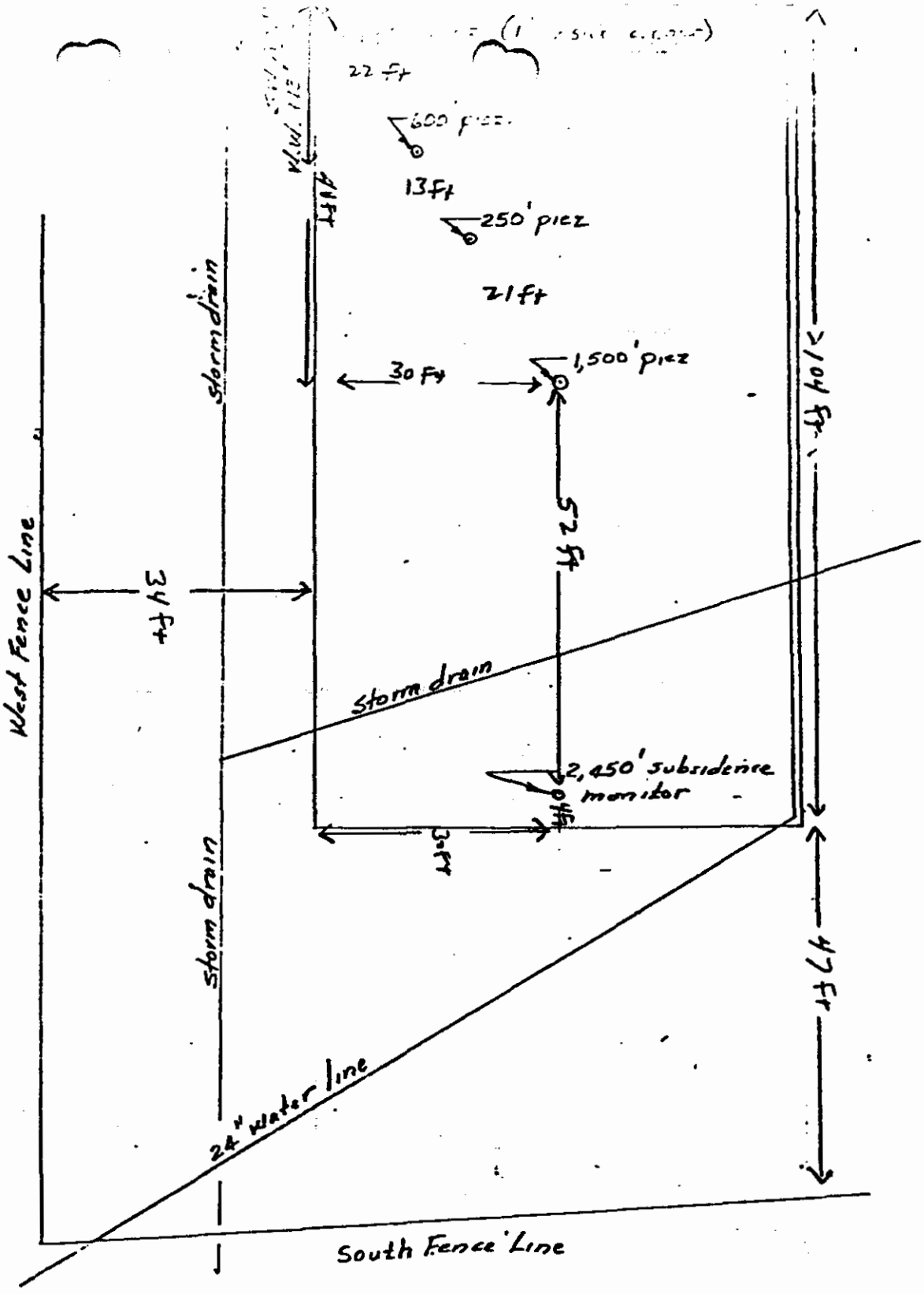
SUBSIDENCE MONITOR/PIEZOMETERS WELL SYSTEM CONSTRUCTION SITE

SOUTHWEST

The construction site is located adjacent to, and west of, the concrete lined drainage ditch running north to south in the City of Houston Southwest Well Field Plant Yard; said Plant Yard being an 11.89-acre tract located in the M. B. Gray Survey, Abstract 284, bounded on the north side by U. S. Highway 59 (the Southwest Freeway), on the west side by Newcastle, and on the southside by Westpark Drive.

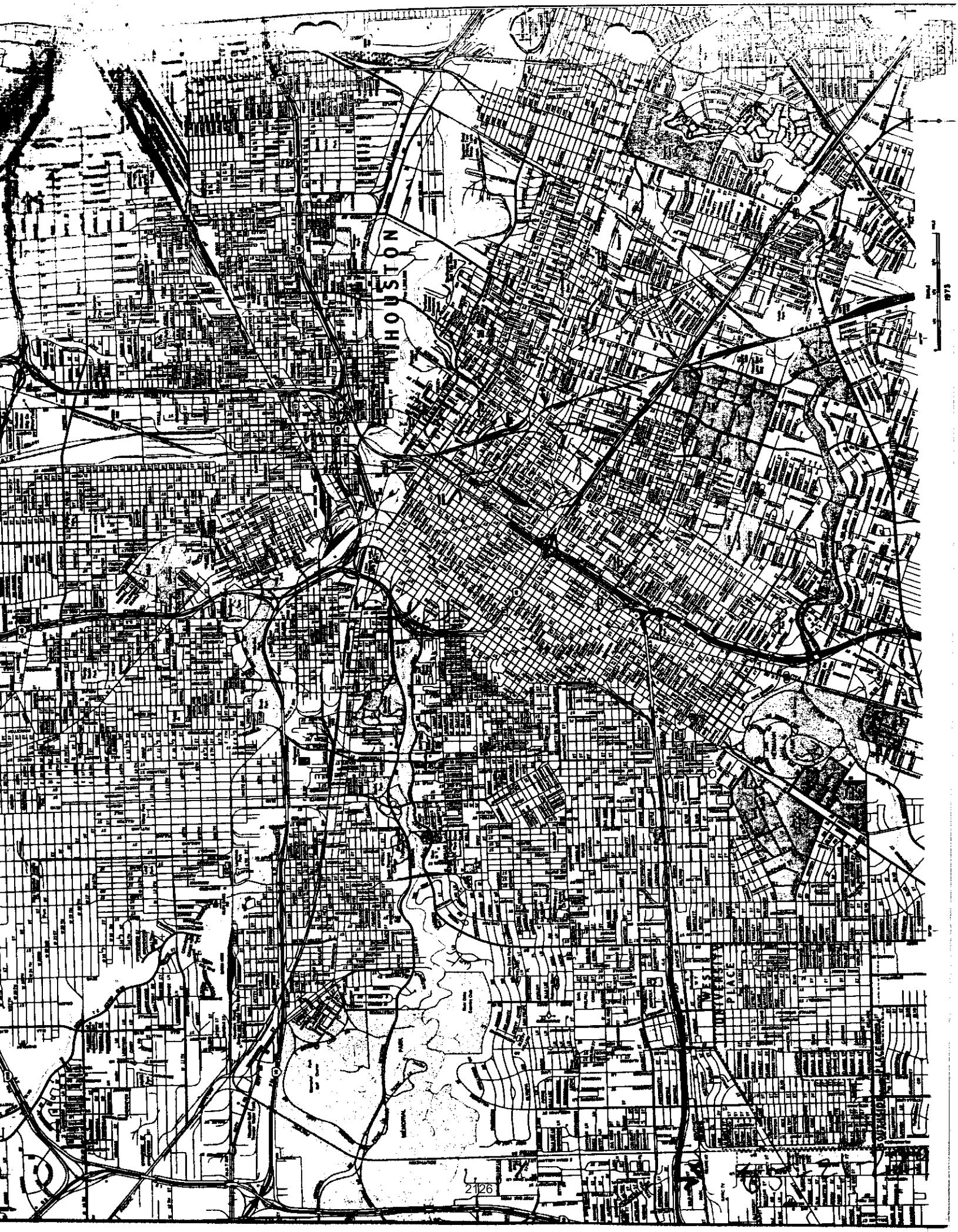
60' along property line

65-21-229



Southwest site
Layout of piezometers and subsidence monitor
Scale: 1" = 20'

65-21-229


HOUSTON
UNIVERSITY PLACE
2126

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-229

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521229
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7275
Latitude (degrees minutes seconds)	29° 43' 39" N
Longitude (decimal degrees)	-95.4513889
Longitude (degrees minutes seconds)	095° 27' 05" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	64
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	627
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened; Straight Wall

Well Type	Observation
Well Use	Unused
Water Level Observation	USGS Current Observation Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	Halliburton
Surface Completion	Unknown
Owner	Harris-Galveston Subsidence Dist.,S.W.
Driller	Layne-Western
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294338095270406
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	Southwest #4
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/29/2016
Last Update Date	4/19/2017

Remarks	Owner Coastal Subsidence District, Southwest, well #4. Monitor well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
4.5	Blank	Steel			0	607
2.5	Blank	Steel			597	612
2.5	Screen	Stainless Steel			612	622
2.5	Blank	Steel			622	627

Well Tests - No Data

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	2	Top Soil
2	31	Clay
31	65	Sand
65	90	Clay
90	128	Sand
128	210	Clay
210	260	Sand
260	280	Clay
280	300	Sand
300	338	Clay
338	416	Sand
416	430	Clay
430	590	Sand
590	615	Clay
615	627	Sand

Annular Seal Range

Annular Seal Material	Amount	Unit	Top Depth (ft.)	Bottom Depth (ft.)
Cement		Unknown	0	607

Borehole

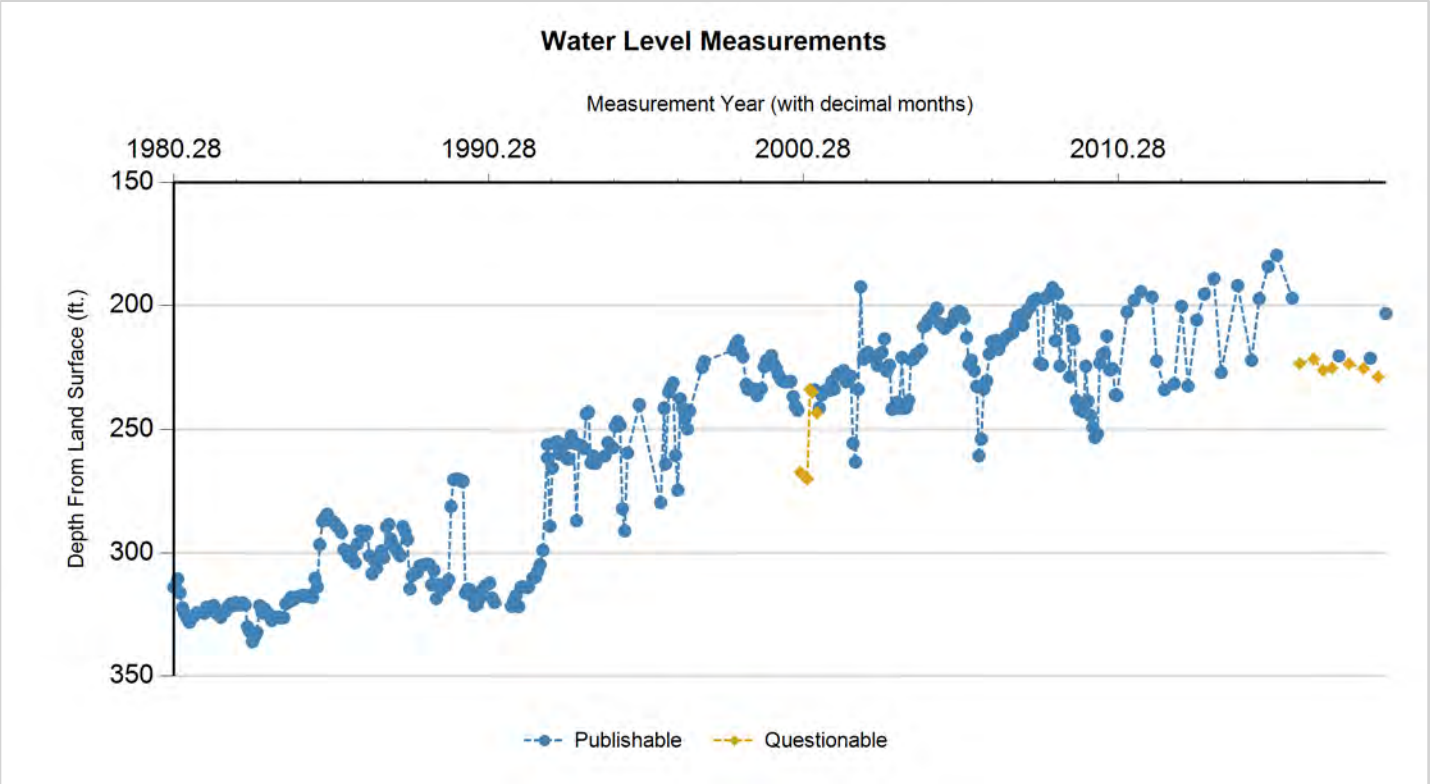
Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
7.875	0	627

Plugged Back - No Data

Filter Pack - No Data

Packers

Packer Type	Depth (ft.)
Lead	597



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/14/1980		313.96		-249.96	1	U.S. Geological Survey	Steel Tape		
P	5/6/1980		314.21	0.25	-250.21	1	U.S. Geological Survey	Steel Tape		
P	5/6/1980		314.21	0.00	-250.21	2	Registered Water Well Driller	Unknown		
P	5/28/1980		310.52	(3.69)	-246.52	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		316.25	5.73	-252.25	1	U.S. Geological Survey	Steel Tape		
P	7/23/1980		322.27	6.02	-258.27	1	U.S. Geological Survey	Steel Tape		
P	8/19/1980		324.8	2.53	-260.8	1	U.S. Geological Survey	Steel Tape		
P	9/16/1980		326.39	1.59	-262.39	1	U.S. Geological Survey	Steel Tape		
P	10/14/1980		328.13	1.74	-264.13	1	U.S. Geological Survey	Steel Tape		
P	11/10/1980		326.52	(1.61)	-262.52	1	U.S. Geological Survey	Steel Tape		
P	12/9/1980		325.49	(1.03)	-261.49	1	U.S. Geological Survey	Steel Tape		
P	1/6/1981		324.31	(1.18)	-260.31	1	U.S. Geological Survey	Steel Tape		
P	3/31/1981		324.5	0.19	-260.5	1	U.S. Geological Survey	Steel Tape		
P	4/28/1981		322.07	(2.43)	-258.07	1	U.S. Geological Survey	Steel Tape		
P	5/26/1981		322.62	0.55	-258.62	1	U.S. Geological Survey	Steel Tape		
P	6/22/1981		323.37	0.75	-259.37	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		321.34	(2.03)	-257.34	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		324.44	3.10	-260.44	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		324.85	0.41	-260.85	1	U.S. Geological Survey	Steel Tape		
P	10/13/1981		326.1	1.25	-262.1	1	U.S. Geological Survey	Steel Tape		
P	11/13/1981		323.55	(2.55)	-259.55	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-229

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/8/1981		323.67	0.12	-259.67	1	U.S. Geological Survey	Steel Tape		
P	1/6/1982		321.64	(2.03)	-257.64	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		320.7	(0.94)	-256.7	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		321.44	0.74	-257.44	1	U.S. Geological Survey	Steel Tape		
P	3/30/1982		320.11	(1.33)	-256.11	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		321	0.89	-257	1	U.S. Geological Survey	Steel Tape		
P	5/5/1982		321.13	0.13	-257.13	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		321.13	0.00	-257.13	1	U.S. Geological Survey	Unknown		
P	6/22/1982		320.26	(0.87)	-256.26	1	U.S. Geological Survey	Steel Tape		
P	7/20/1982		321.09	0.83	-257.09	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		329.95	8.86	-265.95	1	U.S. Geological Survey	Steel Tape		
P	9/14/1982		331.87	1.92	-267.87	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		336.04	4.17	-272.04	1	U.S. Geological Survey	Steel Tape		
P	11/9/1982		334	(2.04)	-270	1	U.S. Geological Survey	Steel Tape		
P	12/7/1982		332.19	(1.81)	-268.19	1	U.S. Geological Survey	Steel Tape		
P	1/4/1983		321.45	(10.74)	-257.45	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		324.38	2.93	-260.38	1	U.S. Geological Survey	Steel Tape		
P	3/2/1983		322.81	(1.57)	-258.81	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		324.07	1.26	-260.07	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		325.64	1.57	-261.64	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		327.42	1.78	-263.42	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		326.01	(1.41)	-262.01	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		326.14	0.13	-262.14	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		326.03	(0.11)	-262.03	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		326.4	0.37	-262.4	1	U.S. Geological Survey	Steel Tape		
P	10/12/1983		326.32	(0.08)	-262.32	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		320.66	(5.66)	-256.66	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		320.07	(0.59)	-256.07	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		318.07	(2.00)	-254.07	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		318.95	0.88	-254.95	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		318.13	(0.82)	-254.13	1	U.S. Geological Survey	Steel Tape		
P	3/27/1984		317.65	(0.48)	-253.65	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		317.51	(0.14)	-253.51	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		317.2	(0.31)	-253.2	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		317.36	0.16	-253.36	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		317.67	0.31	-253.67	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		317.22	(0.45)	-253.22	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		318.11	0.89	-254.11	1	U.S. Geological Survey	Steel Tape		
P	10/10/1984		310.29	(7.82)	-246.29	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		313.83	3.54	-249.83	1	U.S. Geological Survey	Steel Tape		
P	12/5/1984		296.7	(17.13)	-232.7	1	U.S. Geological Survey	Steel Tape		
P	1/2/1985		287.16	(9.54)	-223.16	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/29/1985		285.7	(1.46)	-221.7	1	U.S. Geological Survey	Steel Tape		
P	2/27/1985		284.26	(1.44)	-220.26	1	U.S. Geological Survey	Steel Tape		
P	3/27/1985		286.65	2.39	-222.65	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		287.14	0.49	-223.14	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		287.89	0.75	-223.89	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		289.25	1.36	-225.25	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		290.17	0.92	-226.17	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		291.71	1.54	-227.71	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		298.68	6.97	-234.68	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		299.51	0.83	-235.51	1	U.S. Geological Survey	Steel Tape		
P	11/5/1985		301.63	2.12	-237.63	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		299.22	(2.41)	-235.22	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		302.51	3.29	-238.51	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		304.07	1.56	-240.07	1	U.S. Geological Survey	Steel Tape		
P	2/13/1986		296.37	(7.70)	-232.37	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		291.04	(5.33)	-227.04	1	U.S. Geological Survey	Unknown		
P	4/11/1986		292.29	1.25	-228.29	1	U.S. Geological Survey	Unknown		
P	5/9/1986		292.96	0.67	-228.96	1	U.S. Geological Survey	Unknown		
P	6/5/1986		291.4	(1.56)	-227.4	1	U.S. Geological Survey	Unknown		
P	7/3/1986		301.28	9.88	-237.28	1	U.S. Geological Survey	Unknown		
P	7/31/1986		308.47	7.19	-244.47	1	U.S. Geological Survey	Unknown		
P	8/28/1986		303.1	(5.37)	-239.1	1	U.S. Geological Survey	Unknown		
P	9/25/1986		306.17	3.07	-242.17	1	U.S. Geological Survey	Unknown		
P	11/20/1986		299.2	(6.97)	-235.2	1	U.S. Geological Survey	Unknown		
P	12/17/1986		301.98	2.78	-237.98	1	U.S. Geological Survey	Unknown		
P	1/15/1987		289.38	(12.60)	-225.38	1	U.S. Geological Survey	Unknown		
P	2/12/1987		288.44	(0.94)	-224.44	1	U.S. Geological Survey	Unknown		
P	3/6/1987		294.44	6.00	-230.44	1	U.S. Geological Survey	Unknown		
P	4/2/1987		297.1	2.66	-233.1	1	U.S. Geological Survey	Unknown		
P	4/30/1987		298.49	1.39	-234.49	1	U.S. Geological Survey	Unknown		
P	5/28/1987		299.97	1.48	-235.97	1	U.S. Geological Survey	Unknown		
P	6/25/1987		301.18	1.21	-237.18	1	U.S. Geological Survey	Unknown		
P	7/23/1987		289.35	(11.83)	-225.35	1	U.S. Geological Survey	Unknown		
P	8/20/1987		291.42	2.07	-227.42	1	U.S. Geological Survey	Unknown		
P	9/17/1987		294.57	3.15	-230.57	1	U.S. Geological Survey	Unknown		
P	10/16/1987		314.6	20.03	-250.6	1	U.S. Geological Survey	Unknown		
P	11/12/1987		309.31	(5.29)	-245.31	1	U.S. Geological Survey	Unknown		
P	12/9/1987		308.18	(1.13)	-244.18	1	U.S. Geological Survey	Unknown		
P	1/7/1988		307.95	(0.23)	-243.95	1	U.S. Geological Survey	Unknown		
P	2/4/1988		305.29	(2.66)	-241.29	1	U.S. Geological Survey	Unknown		
P	3/3/1988		305.06	(0.23)	-241.06	1	U.S. Geological Survey	Unknown		
P	3/31/1988		304.75	(0.31)	-240.75	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/28/1988		304.59	(0.16)	-240.59	1	U.S. Geological Survey	Unknown		
P	5/26/1988		304.68	0.09	-240.68	1	U.S. Geological Survey	Unknown		
P	6/23/1988		313	8.32	-249	1	U.S. Geological Survey	Unknown		
P	7/21/1988		307.17	(5.83)	-243.17	1	U.S. Geological Survey	Unknown		
P	8/18/1988		318.55	11.38	-254.55	1	U.S. Geological Survey	Unknown		
P	9/14/1988		312.83	(5.72)	-248.83	1	U.S. Geological Survey	Unknown		
P	10/13/1988		314.9	2.07	-250.9	1	U.S. Geological Survey	Unknown		
P	11/9/1988		313.01	(1.89)	-249.01	1	U.S. Geological Survey	Unknown		
P	12/8/1988		313.3	0.29	-249.3	1	U.S. Geological Survey	Unknown		
P	1/5/1989		310.9	(2.40)	-246.9	1	U.S. Geological Survey	Unknown		
P	2/2/1989		281.19	(29.71)	-217.19	1	U.S. Geological Survey	Unknown		
P	3/2/1989		270.32	(10.87)	-206.32	1	U.S. Geological Survey	Unknown		
P	3/29/1989		270.15	(0.17)	-206.15	1	U.S. Geological Survey	Unknown		
P	4/27/1989		270.08	(0.07)	-206.08	1	U.S. Geological Survey	Unknown		
P	5/25/1989		270.84	0.76	-206.84	1	U.S. Geological Survey	Unknown		
P	6/22/1989		270.93	0.09	-206.93	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		316.34	45.41	-252.34	1	U.S. Geological Survey	Unknown		
P	8/17/1989		314.76	(1.58)	-250.76	1	U.S. Geological Survey	Unknown		
P	9/14/1989		315.02	0.26	-251.02	1	U.S. Geological Survey	Unknown		
P	10/12/1989		317.88	2.86	-253.88	1	U.S. Geological Survey	Unknown		
P	11/8/1989		321.48	3.60	-257.48	1	U.S. Geological Survey	Unknown		
P	12/7/1989		320.97	(0.51)	-256.97	1	U.S. Geological Survey	Unknown		
P	1/4/1990		317.98	(2.99)	-253.98	1	U.S. Geological Survey	Steel Tape		
P	1/8/1990		317.98	0.00	-253.98	1	U.S. Geological Survey	Unknown		
P	2/1/1990		315	(2.98)	-251	1	U.S. Geological Survey	Unknown		
P	3/2/1990		313.42	(1.58)	-249.42	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		312.2	(1.22)	-248.2	1	U.S. Geological Survey	Unknown		
P	5/24/1990		318.34	6.14	-254.34	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		320.09	1.75	-256.09	1	U.S. Geological Survey	Steel Tape		
P	1/4/1991		321.7	1.61	-257.7	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		319.19	(2.51)	-255.19	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		317.25	(1.94)	-253.25	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		321.82	4.57	-257.82	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		313.83	(7.99)	-249.83	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		313.79	(0.04)	-249.79	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		314.08	0.29	-250.08	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		313.95	(0.13)	-249.95	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		310.22	(3.73)	-246.22	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		310.03	(0.19)	-246.03	1	U.S. Geological Survey	Steel Tape		
P	11/7/1991		307.54	(2.49)	-243.54	1	U.S. Geological Survey	Steel Tape		
P	12/6/1991		304.77	(2.77)	-240.77	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		298.99	(5.78)	-234.99	1	U.S. Geological Survey	Steel Tape		

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P	2/26/1992		256.16	(42.83)	-192.16	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		261.5	5.34	-197.5	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		289.23	27.73	-225.23	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		265.6	(23.63)	-201.6	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		255.6	(10.00)	-191.6	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		254.87	(0.73)	-190.87	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		260	5.13	-196	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		256.1	(3.90)	-192.1	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		256.29	0.19	-192.29	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		261.74	5.45	-197.74	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		262.05	0.31	-198.05	1	U.S. Geological Survey	Steel Tape		
P	12/3/1992		252.52	(9.53)	-188.52	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		255.32	2.80	-191.32	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		287	31.68	-223	1	U.S. Geological Survey	Air Line		
P	2/26/1993		256.16	(30.84)	-192.16	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		256.43	0.27	-192.43	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		257.74	1.31	-193.74	1	U.S. Geological Survey	Steel Tape		
P	5/20/1993		243.63	(14.11)	-179.63	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		242.99	(0.64)	-178.99	1	U.S. Geological Survey	Steel Tape		
P	7/16/1993		263.52	20.53	-199.52	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		260.66	(2.86)	-196.66	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		263.77	3.11	-199.77	1	U.S. Geological Survey	Steel Tape		
P	12/29/1993		260.7	(3.07)	-196.7	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		255.29	(5.41)	-191.29	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		256.9	1.61	-192.9	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		257.37	0.47	-193.37	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		248.68	(8.69)	-184.68	1	U.S. Geological Survey	Steel Tape		
P	5/19/1994		246.8	(1.88)	-182.8	1	U.S. Geological Survey	Steel Tape		
P	6/17/1994		248.24	1.44	-184.24	1	U.S. Geological Survey	Steel Tape		
P	7/14/1994		282.14	33.90	-218.14	1	U.S. Geological Survey	Steel Tape		
P	8/11/1994		291.12	8.98	-227.12	1	U.S. Geological Survey	Steel Tape		
P	9/13/1994		259.5	(31.62)	-195.5	1	U.S. Geological Survey	Steel Tape		
P	1/26/1995		240.08	(19.42)	-176.08	1	U.S. Geological Survey	Steel Tape		
P	10/4/1995		279.65	39.57	-215.65	1	U.S. Geological Survey	Steel Tape		
P	11/14/1995		241.48	(38.17)	-177.48	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		264	22.52	-200	1	U.S. Geological Survey	Electric Line		
P	1/3/1996		235.07	(28.93)	-171.07	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		233.21	(1.86)	-169.21	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		231.3	(1.91)	-167.3	1	U.S. Geological Survey	Steel Tape		
P	3/21/1996		260.48	29.18	-196.48	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		274.63	14.15	-210.63	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		237.83	(36.80)	-173.83	1	U.S. Geological Survey	Steel Tape		

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P	6/13/1996		241.45	3.62	-177.45	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		245.61	4.16	-181.61	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		249.79	4.18	-185.79	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		242.54	(7.25)	-178.54	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		225.08	(17.46)	-161.08	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		222.7	(2.38)	-158.7	1	U.S. Geological Survey	Steel Tape		
P	1/20/1998		217.92	(4.78)	-153.92	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		215.68	(2.24)	-151.68	1	U.S. Geological Survey	Steel Tape		
P	3/18/1998		214.18	(1.50)	-150.18	1	U.S. Geological Survey	Steel Tape		
P	4/14/1998		218.46	4.28	-154.46	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		220.71	2.25	-156.71	1	U.S. Geological Survey	Steel Tape		
P	6/20/1998		232	11.29	-168	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		233.94	1.94	-169.94	1	U.S. Geological Survey	Steel Tape		
P	8/6/1998		233.98	0.04	-169.98	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		233.79	(0.19)	-169.79	1	U.S. Geological Survey	Steel Tape		
P	10/2/1998		233.82	0.03	-169.82	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		236.5	2.68	-172.5	1	U.S. Geological Survey	Steel Tape		
P	12/17/1998		233.69	(2.81)	-169.69	1	U.S. Geological Survey	Steel Tape		
P	1/16/1999		224.8	(8.89)	-160.8	1	U.S. Geological Survey	Unknown		
P	2/11/1999		222.23	(2.57)	-158.23	1	U.S. Geological Survey	Unknown		
P	3/15/1999		222.78	0.55	-158.78	1	U.S. Geological Survey	Steel Tape		
P	4/9/1999		220.26	(2.52)	-156.26	1	U.S. Geological Survey	Steel Tape		
P	5/6/1999		223.6	3.34	-159.6	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		225.42	1.82	-161.42	1	U.S. Geological Survey	Steel Tape		
P	6/29/1999		228.15	2.73	-164.15	1	U.S. Geological Survey	Steel Tape		
P	7/30/1999		230.07	1.92	-166.07	1	U.S. Geological Survey	Steel Tape		
P	8/26/1999		230.78	0.71	-166.78	1	U.S. Geological Survey	Steel Tape		
P	9/23/1999		230.93	0.15	-166.93	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		230.9	(0.03)	-166.9	1	U.S. Geological Survey	Steel Tape		
P	11/23/1999		230.66	(0.24)	-166.66	1	U.S. Geological Survey	Steel Tape		
P	12/21/1999		236.91	6.25	-172.91	1	U.S. Geological Survey	Steel Tape		
P	1/11/2000		240.79	3.88	-176.79	1	U.S. Geological Survey	Steel Tape		
P	2/9/2000		242.21	1.42	-178.21	1	U.S. Geological Survey	Steel Tape		
Q	3/9/2000		267.36	25.15	-203.36	1	U.S. Geological Survey	Steel Tape	3	
Q	4/6/2000		268.29	0.93	-204.29	1	U.S. Geological Survey	Steel Tape	3	
Q	5/8/2000		269.41	1.12	-205.41	1	U.S. Geological Survey	Steel Tape	3	
Q	5/31/2000		269.92	0.51	-205.92	1	U.S. Geological Survey	Steel Tape	3	
Q	6/29/2000		233.93	(35.99)	-169.93	1	U.S. Geological Survey	Steel Tape	3	
Q	7/26/2000		235.09	1.16	-171.09	1	U.S. Geological Survey	Steel Tape	3	
P	8/25/2000		234.17	(0.92)	-170.17	1	U.S. Geological Survey	Steel Tape		
Q	9/20/2000		243.22	9.05	-179.22	1	U.S. Geological Survey	Steel Tape	3	
P	10/19/2000		241.44	(1.78)	-177.44	1	U.S. Geological Survey	Steel Tape		

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P	11/16/2000		236.29	(5.15)	-172.29	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		234.88	(1.41)	-170.88	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		234.12	(0.76)	-170.12	1	U.S. Geological Survey	Steel Tape		
P	2/9/2001		234.42	0.30	-170.42	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		230.79	(3.63)	-166.79	1	U.S. Geological Survey	Steel Tape		
P	4/6/2001		233.88	3.09	-169.88	1	U.S. Geological Survey	Steel Tape		
P	5/15/2001		227.66	(6.22)	-163.66	1	U.S. Geological Survey	Steel Tape		
P	5/31/2001		227.53	(0.13)	-163.53	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		228.11	0.58	-164.11	1	U.S. Geological Survey	Steel Tape		
P	7/25/2001		226.32	(1.79)	-162.32	1	U.S. Geological Survey	Steel Tape		
P	8/22/2001		230.87	4.55	-166.87	1	U.S. Geological Survey	Steel Tape		
P	9/19/2001		230.6	(0.27)	-166.6	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		228.51	(2.09)	-164.51	1	U.S. Geological Survey	Steel Tape		
P	11/14/2001		255.59	27.08	-191.59	1	U.S. Geological Survey	Steel Tape		
P	12/14/2001		263.22	7.63	-199.22	1	U.S. Geological Survey	Steel Tape		
P	1/9/2002		234.04	(29.18)	-170.04	1	U.S. Geological Survey	Steel Tape		
P	2/8/2002		192.36	(41.68)	-128.36	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		221.8	29.44	-157.8	1	U.S. Geological Survey	Steel Tape		
P	4/4/2002		219.6	(2.20)	-155.6	1	U.S. Geological Survey	Steel Tape		
P	5/1/2002		218.93	(0.67)	-154.93	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		220.44	1.51	-156.44	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		220.99	0.55	-156.99	1	U.S. Geological Survey	Steel Tape		
P	7/25/2002		221.19	0.20	-157.19	1	U.S. Geological Survey	Steel Tape		
P	8/23/2002		224.3	3.11	-160.3	1	U.S. Geological Survey	Steel Tape		
P	9/19/2002		219.59	(4.71)	-155.59	1	U.S. Geological Survey	Steel Tape		
P	10/16/2002		218.98	(0.61)	-154.98	1	U.S. Geological Survey	Steel Tape		
P	11/14/2002		213.45	(5.53)	-149.45	1	U.S. Geological Survey	Steel Tape		
P	12/11/2002		226.54	13.09	-162.54	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		224.17	(2.37)	-160.17	1	U.S. Geological Survey	Steel Tape		
P	2/5/2003		241.78	17.61	-177.78	1	U.S. Geological Survey	Steel Tape		
P	3/7/2003		241.11	(0.67)	-177.11	1	U.S. Geological Survey	Steel Tape		
P	4/4/2003		239.19	(1.92)	-175.19	1	U.S. Geological Survey	Steel Tape		
P	5/1/2003		241.39	2.20	-177.39	1	U.S. Geological Survey	Steel Tape		
P	5/30/2003		220.97	(20.42)	-156.97	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		241.41	20.44	-177.41	1	U.S. Geological Survey	Steel Tape		
P	7/23/2003		241.12	(0.29)	-177.12	1	U.S. Geological Survey	Steel Tape		
P	8/21/2003		238.55	(2.57)	-174.55	1	U.S. Geological Survey	Steel Tape		
P	9/18/2003		222.03	(16.52)	-158.03	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		221.61	(0.42)	-157.61	1	U.S. Geological Survey	Steel Tape		
P	11/14/2003		219.75	(1.86)	-155.75	1	U.S. Geological Survey	Steel Tape		
P	12/10/2003		219.42	(0.33)	-155.42	1	U.S. Geological Survey	Steel Tape		
P	1/12/2004		217.93	(1.49)	-153.93	1	U.S. Geological Survey	Steel Tape		

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P	2/6/2004		208.63	(9.30)	-144.63	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		208.02	(0.61)	-144.02	1	U.S. Geological Survey	Steel Tape		
P	4/1/2004		205.88	(2.14)	-141.88	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		204.96	(0.92)	-140.96	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		203.53	(1.43)	-139.53	1	U.S. Geological Survey	Steel Tape		
P	7/9/2004		200.98	(2.55)	-136.98	1	U.S. Geological Survey	Steel Tape		
P	7/21/2004		201.49	0.51	-137.49	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		207.26	5.77	-143.26	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		208.03	0.77	-144.03	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		209.27	1.24	-145.27	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		208.23	(1.04)	-144.23	1	U.S. Geological Survey	Steel Tape		
P	12/7/2004		207.27	(0.96)	-143.27	1	U.S. Geological Survey	Steel Tape		
P	1/4/2005		206.58	(0.69)	-142.58	1	U.S. Geological Survey	Steel Tape		
P	2/3/2005		203.36	(3.22)	-139.36	1	U.S. Geological Survey	Steel Tape		
P	3/1/2005		203.35	(0.01)	-139.35	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		202.24	(1.11)	-138.24	1	U.S. Geological Survey	Steel Tape		
P	4/28/2005		202.92	0.68	-138.92	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		205.04	2.12	-141.04	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		212.9	7.86	-148.9	1	U.S. Geological Survey	Steel Tape		
P	7/18/2005		223.89	10.99	-159.89	1	U.S. Geological Survey	Steel Tape		
P	8/17/2005		222.15	(1.74)	-158.15	1	U.S. Geological Survey	Steel Tape		
P	9/21/2005		226.39	4.24	-162.39	1	U.S. Geological Survey	Steel Tape		
P	10/19/2005		232.69	6.30	-168.69	1	U.S. Geological Survey	Steel Tape		
P	11/15/2005		260.66	27.97	-196.66	1	U.S. Geological Survey	Steel Tape		
P	12/13/2005		253.83	(6.83)	-189.83	1	U.S. Geological Survey	Steel Tape		
P	1/5/2006		233.81	(20.02)	-169.81	1	U.S. Geological Survey	Steel Tape		
P	2/9/2006		230.56	(3.25)	-166.56	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		219.58	(10.98)	-155.58	1	U.S. Geological Survey	Steel Tape		
P	4/6/2006		214.58	(5.00)	-150.58	1	U.S. Geological Survey	Steel Tape		
P	5/4/2006		214.44	(0.14)	-150.44	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		214.08	(0.36)	-150.08	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		217.77	3.69	-153.77	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		214.92	(2.85)	-150.92	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		214.03	(0.89)	-150.03	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		212.6	(1.43)	-148.6	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		212.02	(0.58)	-148.02	1	U.S. Geological Survey	Steel Tape		
P	11/15/2006		211.53	(0.49)	-147.53	1	U.S. Geological Survey	Steel Tape		
P	12/13/2006		211.04	(0.49)	-147.04	1	U.S. Geological Survey	Steel Tape		
P	1/9/2007		207.73	(3.31)	-143.73	1	U.S. Geological Survey	Steel Tape		
P	2/5/2007		204.49	(3.24)	-140.49	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		203.75	(0.74)	-139.75	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		207.92	4.17	-143.92	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/4/2007		203.54	(4.38)	-139.54	1	U.S. Geological Survey	Steel Tape		
P	5/31/2007		201.61	(1.93)	-137.61	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		200.62	(0.99)	-136.62	1	U.S. Geological Survey	Steel Tape		
P	7/30/2007		198.2	(2.42)	-134.2	1	U.S. Geological Survey	Steel Tape		
P	8/24/2007		197.59	(0.61)	-133.59	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		197.17	(0.42)	-133.17	1	U.S. Geological Survey	Steel Tape		
P	10/18/2007		223.27	26.10	-159.27	1	U.S. Geological Survey	Steel Tape		
P	11/19/2007		223.94	0.67	-159.94	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		197.07	(26.87)	-133.07	1	U.S. Geological Survey	Steel Tape		
P	1/7/2008		196.56	(0.51)	-132.56	1	U.S. Geological Survey	Steel Tape		
P	2/12/2008		195.09	(1.47)	-131.09	1	U.S. Geological Survey	Steel Tape		
P	3/13/2008		192.74	(2.35)	-128.74	1	U.S. Geological Survey	Steel Tape		
P	4/15/2008		214.24	21.50	-150.24	1	U.S. Geological Survey	Steel Tape		
P	5/12/2008		195.1	(19.14)	-131.1	1	U.S. Geological Survey	Steel Tape		
P	6/9/2008		224.47	29.37	-160.47	1	U.S. Geological Survey	Steel Tape		
P	7/11/2008		201.96	(22.51)	-137.96	1	U.S. Geological Survey	Steel Tape		
P	8/28/2008		203.4	1.44	-139.4	1	U.S. Geological Survey	Steel Tape		
P	10/2/2008		228.89	25.49	-164.89	1	U.S. Geological Survey	Steel Tape		
P	10/30/2008		210.05	(18.84)	-146.05	1	U.S. Geological Survey	Steel Tape		
P	11/26/2008		213.37	3.32	-149.37	1	U.S. Geological Survey	Steel Tape		
P	12/19/2008		238.44	25.07	-174.44	1	U.S. Geological Survey	Steel Tape		
P	1/22/2009		241.86	3.42	-177.86	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		242.71	0.85	-178.71	1	U.S. Geological Survey	Steel Tape		
P	4/3/2009		224.54	(18.17)	-160.54	1	U.S. Geological Survey	Steel Tape		
P	4/30/2009		238.62	14.08	-174.62	1	U.S. Geological Survey	Steel Tape		
P	5/28/2009		244.26	5.64	-180.26	1	U.S. Geological Survey	Steel Tape		
P	6/24/2009		249.05	4.79	-185.05	1	U.S. Geological Survey	Steel Tape		
P	7/21/2009		253.28	4.23	-189.28	1	U.S. Geological Survey	Steel Tape		
P	8/18/2009		251.85	(1.43)	-187.85	1	U.S. Geological Survey	Steel Tape		
P	9/17/2009		223.2	(28.65)	-159.2	1	U.S. Geological Survey	Steel Tape		
P	10/15/2009		219.8	(3.40)	-155.8	1	U.S. Geological Survey	Steel Tape		
P	11/13/2009		219.26	(0.54)	-155.26	1	U.S. Geological Survey	Steel Tape		
P	12/9/2009		212.32	(6.94)	-148.32	1	U.S. Geological Survey	Steel Tape		
P	1/6/2010		226.13	13.81	-162.13	1	U.S. Geological Survey	Steel Tape		
P	2/9/2010		225.56	(0.57)	-161.56	1	U.S. Geological Survey	Steel Tape		
P	3/11/2010		236.13	10.57	-172.13	1	U.S. Geological Survey	Electric Line		
P	3/30/2010		236.47	0.34	-172.47	1	U.S. Geological Survey	Electric Line		
P	7/28/2010		202.54	(33.93)	-138.54	1	U.S. Geological Survey	Electric Line		
P	10/20/2010		197.92	(4.62)	-133.92	1	U.S. Geological Survey	Steel Tape		
P	1/3/2011		194.29	(3.63)	-130.29	1	U.S. Geological Survey	Steel Tape		
P	5/12/2011		196.5	2.21	-132.5	1	U.S. Geological Survey	Steel Tape		
P	7/6/2011		222.46	25.96	-158.46	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-229

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/7/2011		234.15	11.69	-170.15	1	U.S. Geological Survey	Steel Tape		
P	1/24/2012		231.71	(2.44)	-167.71	1	U.S. Geological Survey	Steel Tape		
P	4/19/2012		200.28	(31.43)	-136.28	1	U.S. Geological Survey	Steel Tape		
P	7/5/2012		232.65	32.37	-168.65	1	U.S. Geological Survey	Steel Tape		
P	10/15/2012		205.83	(26.82)	-141.83	1	U.S. Geological Survey	Steel Tape		
P	1/8/2013		195.25	(10.58)	-131.25	1	U.S. Geological Survey	Steel Tape		
P	4/30/2013		189	(6.25)	-125	1	U.S. Geological Survey	Steel Tape		
P	7/24/2013		227.14	38.14	-163.14	1	U.S. Geological Survey	Steel Tape		
P	1/30/2014		191.81	(35.33)	-127.81	1	U.S. Geological Survey	Electric Line		
P	7/11/2014		222.19	30.38	-158.19	1	U.S. Geological Survey	Electric Line		
P	10/10/2014		197.22	(24.97)	-133.22	1	U.S. Geological Survey	Steel Tape		
P	1/20/2015		184.16	(13.06)	-120.16	1	U.S. Geological Survey	Electric Line		
P	4/27/2015	1416	179.55	(4.61)	-115.55	1	U.S. Geological Survey	Electric Line		
P	10/29/2015	1042	196.94	17.39	-132.94	1	U.S. Geological Survey	Electric Line		
Q	1/20/2016	1341	223.42	26.48	-159.42	1	U.S. Geological Survey	Electric Line	2	
Q	7/1/2016	0847	221.69	(1.73)	-157.69	1	U.S. Geological Survey	Electric Line	3	
Q	10/21/2016	1023	226.18	4.49	-162.18	1	U.S. Geological Survey	Electric Line	2	
Q	1/31/2017	1125	225.29	(0.89)	-161.29	1	U.S. Geological Survey	Electric Line	2	
P	4/20/2017	1100	220.4	(4.89)	-156.4	1	U.S. Geological Survey	Electric Line		
Q	8/16/2017	1104	223.59	3.19	-159.59	1	U.S. Geological Survey	Electric Line	3	
Q	1/30/2018	1108	225.47	1.88	-161.47	1	U.S. Geological Survey	Electric Line	2	
P	4/18/2018	1255	221.33	(4.14)	-157.33	1	U.S. Geological Survey	Electric Line		
Q	7/19/2018	1109	228.87	7.54	-164.87	1	U.S. Geological Survey	Electric Line	3	
P	10/18/2018	1051	203.24	(25.63)	-139.24	1	U.S. Geological Survey	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
3	Well or wells pumping nearby

Water Quality Analysis

Sample Date: 4/14/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		490	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		21	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-230

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

1:24,000

Record by RS SOWERSHEW Source of data OBS & DRILLER Date 3-6-80 Map BELLAIRE, TEX 1967

State TEXAS [48] County (or town) HARRIS [LJ]

Latitude: 29 deg 43 min 38 sec N [1] Longitude: 095 deg 27 min 04 sec [2] Sequential number: [3]

Lat-long accuracy: [1] T ____ S, R ____ W, Sec ____, ¼, ¼, ¼ ____ B & M

Local well number: LJ-65-21-230 Other number: SOUTHWEST NO. 2

Local use: ____ Owner or name: HARRIS-GALVESTON COASTAL SUBSIDENCE DISTICT

Owner or name: HGCSD Address: 1730 NASA RD 1

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [5]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [U]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Ø) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [Ø]

DATA AVAILABLE: Well data [2] Freq. W/L meas.: MONTHLY [M] Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: partial [P]

Freq. sampling: ORIGINAL [Ø] Pumpage inventory: yes (no) period: [ ]

Aperture cards: yes [ ]

Log data: DRILLER'S [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1943 ft [1993] Meas. rept [3]

Depth cased; (first perf.) 1928 ft [1928] Casing type: steel ; Diam. 9¼-2½ in [9]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [5]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: MAR 1980 [980] Pump intake setting: NONE ft [ ]

Driller: LAYNE WESTERN Co. (name), HOUSTON, TX (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] Deep / Shallow [ ]

Power (type): diesel, elec, gas (nat), gasoline, hand, gas (LP), wind; H.P. ____ [ ] Trans. or meter no. ____

Descrip. MP top of csng +2.5 ft (above) below LSD, Alt. MP ____

Alt. LSD: 64 [64] Accuracy: (source) 5' TOPO [3]

Water Level 383.72 ft above below MP; (above) below LSD [384] Accuracy: steel tape [A]

Date meas: 4-15-80 [480] Yield: 34 gpm [34] Method determined [1]

Drawdown: ____ ft [ ] Accuracy: ____ [ ] Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron ____ ppm [ ] pH Surface 8.8 [9] Chloride ____ ppm [ ] Hard. HCO3 380 ppm [2]

Sp. Conduct 980 K x 10^6 [4] Temp. 75 °F [75] Date sampled 3-5-80 [380]

Taste, color, etc. ____

Well No.

Well No. LJ-65-21-230

Latitude-longitude N/S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAIN (20–21) 03 Section: WEST GULF

(22) F Drainage Basin: (23–25) 51R Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27) F

MAJOR AQUIFER: system, series (28–29) TF EVANGELINE aquifer, formation, group (30–31) E

Lithology: (32–33) S Origin: (34) 3 Aquifer Thickness: 36 ft

(35–37) 36 Length of well open to: 10 ft (38–40) 10 Depth to top of: 1920 ft (41–43) A92

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: 1928-1938 SSWW No.10 GA 2½" OD

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

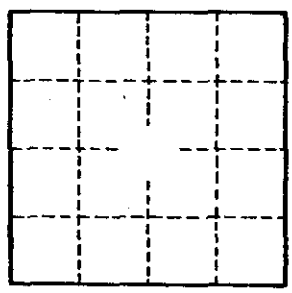
Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards: (79)

sample for water quality obtained by jetting with air.

orig test drilled to 2,450



Well No.

GPO 857-700

DUP

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-21-2E
Located on map YES
Received: TH

1) **OWNER** Harris-Galveston Coastal Subsidence District (Name) Address P. O. Box 58847 (Street or RFD) Houston (City) Texas (State) 77058 (Zip)

2) **LOCATION OF WELL:**
County Harris 5 miles in S.W. (N.E., S.W., etc.) direction from Houston (Town)

☐ **Legal description:**

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ **See attached map.**

3) **TYPE OF WORK** (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check):
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation XX Test Well ☐ Other _____

5) **DRILLING METHOD** (Check):
XX Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) **WELL LOG:**
#5
Date drilled 4-4-80

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
7-7/8	Surface	253

From (ft.)	To (ft.)	Description and color of formation material
See Attached		

7) **BOREHOLE COMPLETION:**
☐ Open Hole ☒ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4½	N	Steel	+2	233	.237
2½	N	Steel	223	238	
2½	N	SST Screen	238	248	
2½	N	Steel	248	253	

CEMENTING DATA
Cemented from 0 ft. to 233 ft.
Method used Pressure
Cemented by Halliburton (Company or Individual)

9) **WATER LEVEL:**
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

10) **PACKERS:** Type Lead Depth 223

11) **TYPE PUMP:**
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

12) **WELL TESTS:**
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

(Use reverse side if necessary)

13) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

James O'Connor (Water Well Driller)

LAYNE-WESTERN COMPANY, INC. (Company Name)

Attach electric log, chemical analysis, and other pertinent information, if available.

65-21-230

WR-12 (Rev. 1-12-79) 2142

DEPARTMENT OF WATER RESOURCES COPY

K. R.

Layne-Western Company, Inc. A Marley Company

P.O. Box 79009 · Houston, Texas 77079 · 713/466-5001

HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT
Southwest Plant Site

WELL #2
M-872

0	Surface
3	Clay
31	Sand Clay Strips
100	Clay
215	Sand
240	Clay & Sand strips
326	Sand
415	Clay & Sand Strips
440	Sand
546	Clay & Sand Strips
650	Clay & Shale
730	Clay & Sand
960	Clay
991	Sand & Shale
1020	Sand & Clay
1080	Sand & Shale
1505	Clay & Shale
1590	Shale & Sand
1630	Clay & Shale
1705	Shale & Sand
1820	Sand & Clay & Shale
1900	Shale & Sand
1928	Sand
1943	T.D.

65-21-230

EXHIBIT C

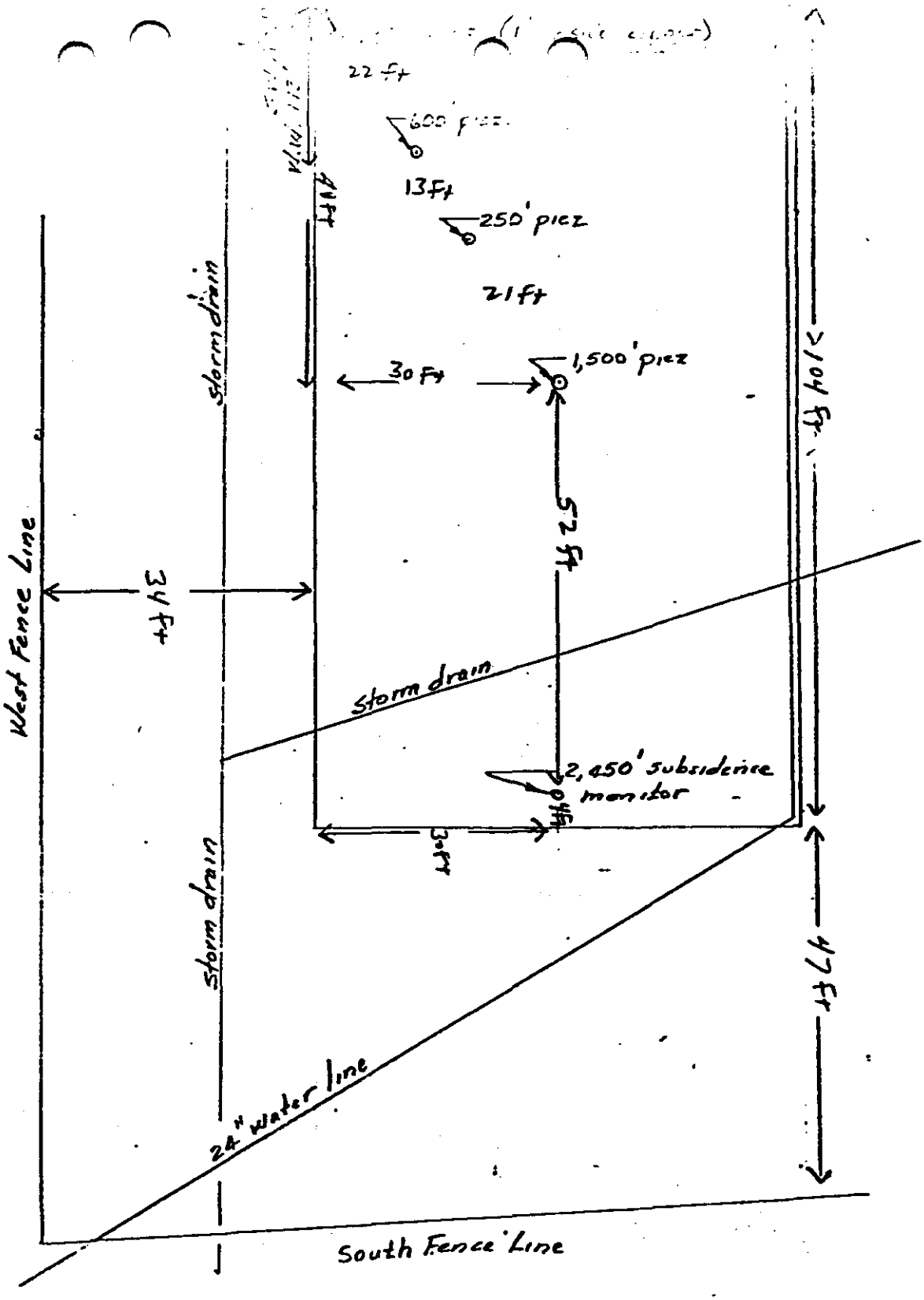
SUBSIDENCE MONITOR/PIEZOMETERS WELL SYSTEM CONSTRUCTION SITE

SOUTHWEST

The construction site is located adjacent to, and west of, the concrete lined drainage ditch running north to south in the City of Houston Southwest Well Field Plant Yard; said Plant Yard being an 11.89-acre tract located in the M. B. Gray Survey, Abstract 284, bounded on the north side by U. S. Highway 59 (the Southwest Freeway), on the west side by Newcastle, and on the southside by Westpark Drive.

60' along property line

65-21-230



Entrance to plant yard

Southwest site
Layout of piezometers and subsidence monitor
scale: 1" = 20'

65-21-230

HOUSTON
WEST UNIVERSITY PLACE
2146

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-230

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521230
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7272222
Latitude (degrees minutes seconds)	29° 43' 38" N
Longitude (decimal degrees)	-95.4511111
Longitude (degrees minutes seconds)	095° 27' 04" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	61
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	1943
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	2/1/1980
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Straight Wall

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Other Cooperator Recorder Well
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Harris-Galveston Subsidence District
Driller	Layne Western
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294338095270403
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	Southwest Piezometer No. 2
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/6/2014
Last Update Date	6/28/2021

Remarks	USGS Recorder Well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
4	Blank					
	Screen				1928	1938

Well Tests - No Data

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	3	Clay
3	31	Sand Clay Strips
31	100	Clay
100	215	Sand
215	240	Clay and Sand strips
240	326	Sand
326	415	Clay and Sand Strips
415	440	Sand
440	546	Clay and Sand Strips
546	650	Clay and Shale
650	730	Clay and Sand
730	960	Clay
960	991	Sand and Shale
991	1020	Sand and Clay
1020	1080	Sand and Shale
1080	1505	Clay and Shale
1505	1590	Shale and Sand
1590	1630	Clay and Shale
1630	1705	Shale and Sand
1705	1820	Sand and Clay and Shale
1820	1900	Shale and Sand
1900	1928	Sand

Annular Seal Range - No Data

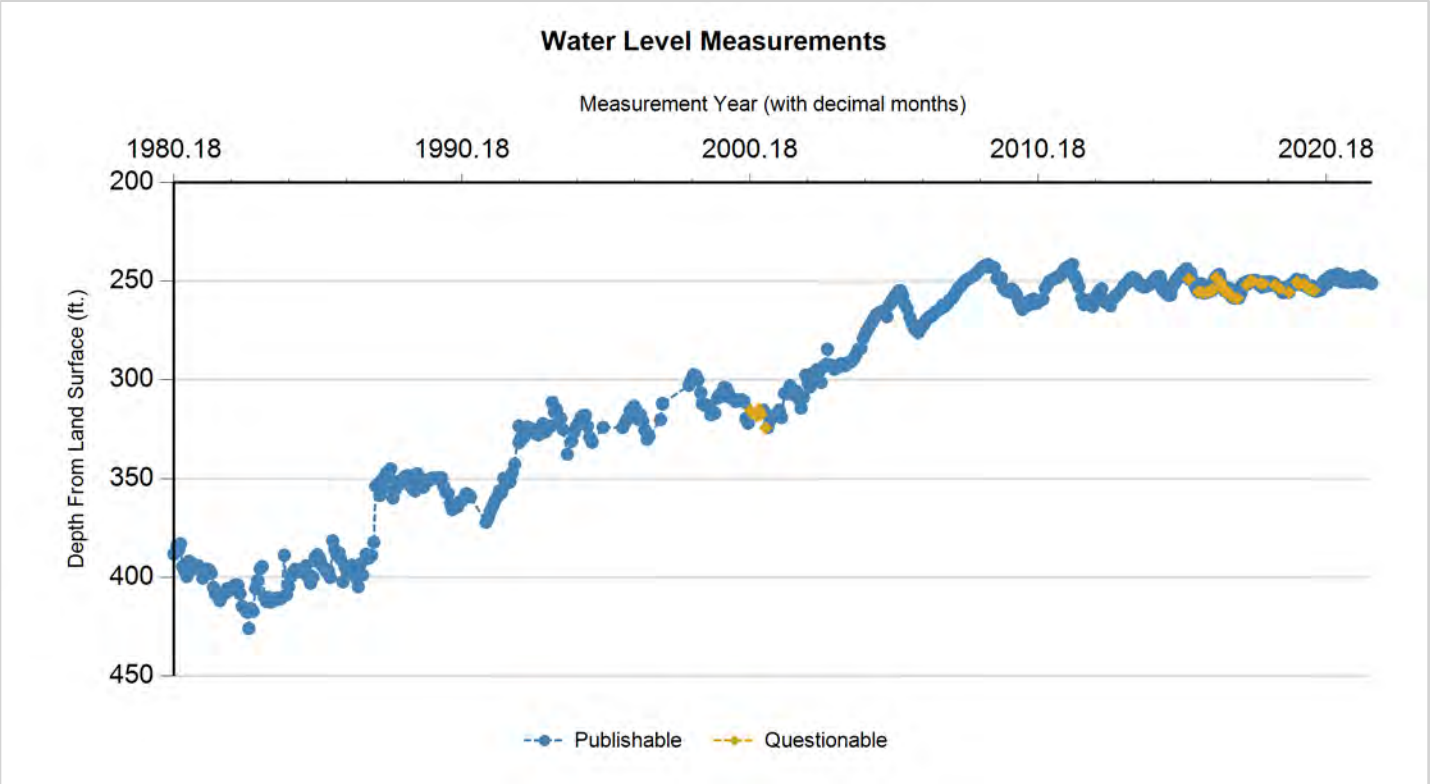
Borehole

Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
8.5	0	1943

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/5/1980		388.16		-327.16	1	U.S. Geological Survey	Electric Line		
P	4/15/1980		383.72	(4.44)	-322.72	1	U.S. Geological Survey	Steel Tape		
P	4/15/1980		383.72	0.00	-322.72	2	Registered Water Well Driller	Unknown		
P	5/6/1980		385.92	2.20	-324.92	1	U.S. Geological Survey	Electric Line		
P	5/27/1980		382.89	(3.03)	-321.89	1	U.S. Geological Survey	Steel Tape		
P	6/24/1980		394.46	11.57	-333.46	1	U.S. Geological Survey	Unknown		
P	7/23/1980		397	2.54	-336	1	U.S. Geological Survey	Unknown		
P	8/19/1980		399.57	2.57	-338.57	1	U.S. Geological Survey	Unknown		
P	9/16/1980		391.7	(7.87)	-330.7	1	U.S. Geological Survey	Unknown		
P	10/14/1980		392.44	0.74	-331.44	1	U.S. Geological Survey	Unknown		
P	11/10/1980		395.67	3.23	-334.67	1	U.S. Geological Survey	Unknown		
P	12/9/1980		394.22	(1.45)	-333.22	1	U.S. Geological Survey	Unknown		
P	1/6/1981		393.97	(0.25)	-332.97	1	U.S. Geological Survey	Unknown		
P	3/5/1981		400.35	6.38	-339.35	1	U.S. Geological Survey	Unknown		
P	3/31/1981		398.16	(2.19)	-337.16	1	U.S. Geological Survey	Unknown		
P	4/28/1981		395.82	(2.34)	-334.82	1	U.S. Geological Survey	Unknown		
P	5/26/1981		396.18	0.36	-335.18	1	U.S. Geological Survey	Unknown		
P	6/22/1981		397.81	1.63	-336.81	1	U.S. Geological Survey	Steel Tape		
P	7/20/1981		405	7.19	-344	1	U.S. Geological Survey	Steel Tape		
P	8/18/1981		408.55	3.55	-347.55	1	U.S. Geological Survey	Steel Tape		
P	9/15/1981		408.57	0.02	-347.57	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/13/1981		411.72	3.15	-350.72	1	U.S. Geological Survey	Steel Tape		
P	11/13/1981		408.64	(3.08)	-347.64	1	U.S. Geological Survey	Steel Tape		
P	12/8/1981		408.35	(0.29)	-347.35	1	U.S. Geological Survey	Steel Tape		
P	1/6/1982		405.7	(2.65)	-344.7	1	U.S. Geological Survey	Steel Tape		
P	2/2/1982		406.7	1.00	-345.7	1	U.S. Geological Survey	Steel Tape		
P	3/3/1982		405.79	(0.91)	-344.79	1	U.S. Geological Survey	Steel Tape		
P	3/30/1982		404.39	(1.40)	-343.39	1	U.S. Geological Survey	Steel Tape		
P	4/28/1982		403.76	(0.63)	-342.76	1	U.S. Geological Survey	Steel Tape		
P	5/25/1982		403.8	0.04	-342.8	1	U.S. Geological Survey	Steel Tape		
P	6/22/1982		408.18	4.38	-347.18	1	U.S. Geological Survey	Steel Tape		
P	7/20/1982		414.56	6.38	-353.56	1	U.S. Geological Survey	Steel Tape		
P	8/17/1982		415.57	1.01	-354.57	1	U.S. Geological Survey	Steel Tape		
P	9/14/1982		417.33	1.76	-356.33	1	U.S. Geological Survey	Steel Tape		
P	10/14/1982		425.9	8.57	-364.9	1	U.S. Geological Survey	Steel Tape		
P	11/9/1982		415.75	(10.15)	-354.75	1	U.S. Geological Survey	Steel Tape		
P	12/7/1982		417.13	1.38	-356.13	1	U.S. Geological Survey	Steel Tape		
P	1/4/1983		405.58	(11.55)	-344.58	1	U.S. Geological Survey	Steel Tape		
P	2/1/1983		401.48	(4.10)	-340.48	1	U.S. Geological Survey	Steel Tape		
P	3/2/1983		395.57	(5.91)	-334.57	1	U.S. Geological Survey	Steel Tape		
P	3/29/1983		394.47	(1.10)	-333.47	1	U.S. Geological Survey	Steel Tape		
P	4/26/1983		409.87	15.40	-348.87	1	U.S. Geological Survey	Steel Tape		
P	5/24/1983		412.21	2.34	-351.21	1	U.S. Geological Survey	Steel Tape		
P	6/21/1983		410.13	(2.08)	-349.13	1	U.S. Geological Survey	Steel Tape		
P	7/19/1983		412.37	2.24	-351.37	1	U.S. Geological Survey	Steel Tape		
P	8/17/1983		411.98	(0.39)	-350.98	1	U.S. Geological Survey	Steel Tape		
P	9/13/1983		410.73	(1.25)	-349.73	1	U.S. Geological Survey	Steel Tape		
P	10/12/1983		410.49	(0.24)	-349.49	1	U.S. Geological Survey	Steel Tape		
P	11/8/1983		410.97	0.48	-349.97	1	U.S. Geological Survey	Steel Tape		
P	12/5/1983		410.24	(0.73)	-349.24	1	U.S. Geological Survey	Steel Tape		
P	1/3/1984		388.66	(21.58)	-327.66	1	U.S. Geological Survey	Steel Tape		
P	1/31/1984		408.68	20.02	-347.68	1	U.S. Geological Survey	Steel Tape		
P	2/28/1984		404.54	(4.14)	-343.54	1	U.S. Geological Survey	Steel Tape		
P	4/2/1984		399.3	(5.24)	-338.3	1	U.S. Geological Survey	Steel Tape		
P	4/24/1984		397.4	(1.90)	-336.4	1	U.S. Geological Survey	Steel Tape		
P	5/22/1984		395.8	(1.60)	-334.8	1	U.S. Geological Survey	Steel Tape		
P	6/19/1984		396.75	0.95	-335.75	1	U.S. Geological Survey	Steel Tape		
P	7/17/1984		397.1	0.35	-336.1	1	U.S. Geological Survey	Steel Tape		
P	8/14/1984		395.88	(1.22)	-334.88	1	U.S. Geological Survey	Steel Tape		
P	9/11/1984		397.5	1.62	-336.5	1	U.S. Geological Survey	Steel Tape		
P	10/10/1984		394.05	(3.45)	-333.05	1	U.S. Geological Survey	Steel Tape		
P	11/6/1984		399.7	5.65	-338.7	1	U.S. Geological Survey	Steel Tape		
P	12/5/1984		402.9	3.20	-341.9	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/2/1985		399.8	(3.10)	-338.8	1	U.S. Geological Survey	Steel Tape		
P	1/29/1985		389.7	(10.10)	-328.7	1	U.S. Geological Survey	Steel Tape		
P	2/27/1985		388.35	(1.35)	-327.35	1	U.S. Geological Survey	Steel Tape		
P	3/27/1985		390.4	2.05	-329.4	1	U.S. Geological Survey	Steel Tape		
P	4/23/1985		393.8	3.40	-332.8	1	U.S. Geological Survey	Steel Tape		
P	5/21/1985		395.1	1.30	-334.1	1	U.S. Geological Survey	Steel Tape		
P	6/18/1985		396.7	1.60	-335.7	1	U.S. Geological Survey	Steel Tape		
P	7/16/1985		396.5	(0.20)	-335.5	1	U.S. Geological Survey	Steel Tape		
P	8/13/1985		400	3.50	-339	1	U.S. Geological Survey	Steel Tape		
P	9/10/1985		381.36	(18.64)	-320.36	1	U.S. Geological Survey	Steel Tape		
P	10/8/1985		385.84	4.48	-324.84	1	U.S. Geological Survey	Steel Tape		
P	11/5/1985		388.7	2.86	-327.7	1	U.S. Geological Survey	Steel Tape		
P	12/3/1985		387.5	(1.20)	-326.5	1	U.S. Geological Survey	Steel Tape		
P	12/19/1985		390.5	3.00	-329.5	1	U.S. Geological Survey	Steel Tape		
P	1/16/1986		402.2	11.70	-341.2	1	U.S. Geological Survey	Steel Tape		
P	2/13/1986		394.6	(7.60)	-333.6	1	U.S. Geological Survey	Steel Tape		
P	3/13/1986		397.3	2.70	-336.3	1	U.S. Geological Survey	Unknown		
P	4/11/1986		396	(1.30)	-335	1	U.S. Geological Survey	Unknown		
P	5/9/1986		393.7	(2.30)	-332.7	1	U.S. Geological Survey	Unknown		
P	6/5/1986		395.6	1.90	-334.6	1	U.S. Geological Survey	Unknown		
P	7/3/1986		400.2	4.60	-339.2	1	U.S. Geological Survey	Unknown		
P	7/31/1986		404.7	4.50	-343.7	1	U.S. Geological Survey	Unknown		
P	8/28/1986		393.2	(11.50)	-332.2	1	U.S. Geological Survey	Unknown		
P	9/25/1986		398.7	5.50	-337.7	1	U.S. Geological Survey	Unknown		
P	11/10/1986		388.2	(10.50)	-327.2	1	U.S. Geological Survey	Unknown		
P	12/17/1986		390.1	1.90	-329.1	1	U.S. Geological Survey	Unknown		
P	1/15/1987		388.8	(1.30)	-327.8	1	U.S. Geological Survey	Unknown		
P	2/12/1987		382.1	(6.70)	-321.1	1	U.S. Geological Survey	Unknown		
P	3/6/1987		353.65	(28.45)	-292.65	1	U.S. Geological Survey	Unknown		
P	4/2/1987		352.69	(0.96)	-291.69	1	U.S. Geological Survey	Unknown		
P	4/30/1987		358.4	5.71	-297.4	1	U.S. Geological Survey	Unknown		
P	5/28/1987		350.34	(8.06)	-289.34	1	U.S. Geological Survey	Unknown		
P	6/25/1987		354.5	4.16	-293.5	1	U.S. Geological Survey	Unknown		
P	7/23/1987		346.95	(7.55)	-285.95	1	U.S. Geological Survey	Unknown		
P	8/20/1987		349.09	2.14	-288.09	1	U.S. Geological Survey	Unknown		
P	9/17/1987		344.85	(4.24)	-283.85	1	U.S. Geological Survey	Unknown		
P	10/16/1987		359.7	14.85	-298.7	1	U.S. Geological Survey	Unknown		
P	11/12/1987		355.52	(4.18)	-294.52	1	U.S. Geological Survey	Unknown		
P	12/9/1987		351.47	(4.05)	-290.47	1	U.S. Geological Survey	Unknown		
P	1/7/1988		352.64	1.17	-291.64	1	U.S. Geological Survey	Unknown		
P	2/4/1988		350.99	(1.65)	-289.99	1	U.S. Geological Survey	Unknown		
P	3/3/1988		349.15	(1.84)	-288.15	1	U.S. Geological Survey	Unknown		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/31/1988		348.56	(0.59)	-287.56	1	U.S. Geological Survey	Unknown		
P	4/28/1988		348.31	(0.25)	-287.31	1	U.S. Geological Survey	Unknown		
P	5/26/1988		353.7	5.39	-292.7	1	U.S. Geological Survey	Unknown		
P	6/23/1988		355.2	1.50	-294.2	1	U.S. Geological Survey	Unknown		
P	7/21/1988		356.14	0.94	-295.14	1	U.S. Geological Survey	Unknown		
P	8/18/1988		347.3	(8.84)	-286.3	1	U.S. Geological Survey	Unknown		
P	9/14/1988		351.79	4.49	-290.79	1	U.S. Geological Survey	Unknown		
P	10/13/1988		352.32	0.53	-291.32	1	U.S. Geological Survey	Unknown		
P	11/9/1988		354.19	1.87	-293.19	1	U.S. Geological Survey	Unknown		
P	12/8/1988		350.66	(3.53)	-289.66	1	U.S. Geological Survey	Unknown		
P	1/5/1989		350.9	0.24	-289.9	1	U.S. Geological Survey	Unknown		
P	2/2/1989		349.73	(1.17)	-288.73	1	U.S. Geological Survey	Unknown		
P	3/2/1989		349.74	0.01	-288.74	1	U.S. Geological Survey	Unknown		
P	3/29/1989		349.59	(0.15)	-288.59	1	U.S. Geological Survey	Unknown		
P	4/27/1989		349.55	(0.04)	-288.55	1	U.S. Geological Survey	Unknown		
P	5/25/1989		349.68	0.13	-288.68	1	U.S. Geological Survey	Unknown		
P	6/22/1989		349.4	(0.28)	-288.4	1	U.S. Geological Survey	Steel Tape		
P	7/20/1989		353.96	4.56	-292.96	1	U.S. Geological Survey	Unknown		
P	8/17/1989		356.75	2.79	-295.75	1	U.S. Geological Survey	Unknown		
P	9/14/1989		357.41	0.66	-296.41	1	U.S. Geological Survey	Unknown		
P	10/12/1989		362.48	5.07	-301.48	1	U.S. Geological Survey	Unknown		
P	11/8/1989		365.62	3.14	-304.62	1	U.S. Geological Survey	Unknown		
P	12/7/1989		363.83	(1.79)	-302.83	1	U.S. Geological Survey	Unknown		
P	1/4/1990		364.19	0.36	-303.19	1	U.S. Geological Survey	Steel Tape		
P	1/8/1990		364.19	0.00	-303.19	1	U.S. Geological Survey	Unknown		
P	2/1/1990		361.6	(2.59)	-300.6	1	U.S. Geological Survey	Unknown		
P	3/2/1990		360.99	(0.61)	-299.99	1	U.S. Geological Survey	Steel Tape		
P	4/26/1990		357.5	(3.49)	-296.5	1	U.S. Geological Survey	Unknown		
P	5/24/1990		357.96	0.46	-296.96	1	U.S. Geological Survey	Steel Tape		
P	6/21/1990		359.11	1.15	-298.11	1	U.S. Geological Survey	Steel Tape		
P	1/4/1991		372	12.89	-311	1	U.S. Geological Survey	Steel Tape		
P	1/31/1991		369.65	(2.35)	-308.65	1	U.S. Geological Survey	Steel Tape		
P	2/28/1991		366.27	(3.38)	-305.27	1	U.S. Geological Survey	Steel Tape		
P	3/27/1991		363.94	(2.33)	-302.94	1	U.S. Geological Survey	Steel Tape		
P	4/25/1991		361.18	(2.76)	-300.18	1	U.S. Geological Survey	Steel Tape		
P	5/23/1991		359.39	(1.79)	-298.39	1	U.S. Geological Survey	Steel Tape		
P	6/24/1991		356.06	(3.33)	-295.06	1	U.S. Geological Survey	Steel Tape		
P	7/18/1991		357.12	1.06	-296.12	1	U.S. Geological Survey	Steel Tape		
P	8/20/1991		349.7	(7.42)	-288.7	1	U.S. Geological Survey	Steel Tape		
P	9/13/1991		352.84	3.14	-291.84	1	U.S. Geological Survey	Steel Tape		
P	10/10/1991		351.28	(1.56)	-290.28	1	U.S. Geological Survey	Steel Tape		
P	11/7/1991		351.55	0.27	-290.55	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/6/1991		346.88	(4.67)	-285.88	1	U.S. Geological Survey	Steel Tape		
P	1/2/1992		342.56	(4.32)	-281.56	1	U.S. Geological Survey	Steel Tape		
P	2/26/1992		323.2	(19.36)	-262.2	1	U.S. Geological Survey	Steel Tape		
P	2/27/1992		331.6	8.40	-270.6	1	U.S. Geological Survey	Steel Tape		
P	3/25/1992		328.79	(2.81)	-267.79	1	U.S. Geological Survey	Steel Tape		
P	4/23/1992		329.1	0.31	-268.1	1	U.S. Geological Survey	Steel Tape		
P	5/21/1992		324.5	(4.60)	-263.5	1	U.S. Geological Survey	Steel Tape		
P	6/17/1992		323.72	(0.78)	-262.72	1	U.S. Geological Survey	Steel Tape		
P	7/16/1992		325	1.28	-264	1	U.S. Geological Survey	Steel Tape		
P	8/13/1992		324.8	(0.20)	-263.8	1	U.S. Geological Survey	Steel Tape		
P	9/10/1992		326.57	1.77	-265.57	1	U.S. Geological Survey	Steel Tape		
P	10/8/1992		327.27	0.70	-266.27	1	U.S. Geological Survey	Steel Tape		
P	11/5/1992		327.71	0.44	-266.71	1	U.S. Geological Survey	Steel Tape		
P	12/3/1992		324.24	(3.47)	-263.24	1	U.S. Geological Survey	Steel Tape		
P	12/30/1992		321.98	(2.26)	-260.98	1	U.S. Geological Survey	Steel Tape		
P	1/28/1993		326.1	4.12	-265.1	1	U.S. Geological Survey	Steel Tape		
P	2/26/1993		323.2	(2.90)	-262.2	1	U.S. Geological Survey	Steel Tape		
P	3/25/1993		323.63	0.43	-262.63	1	U.S. Geological Survey	Steel Tape		
P	4/23/1993		311.52	(12.11)	-250.52	1	U.S. Geological Survey	Steel Tape		
P	5/20/1993		316.05	4.53	-255.05	1	U.S. Geological Survey	Steel Tape		
P	6/16/1993		315.03	(1.02)	-254.03	1	U.S. Geological Survey	Steel Tape		
P	7/16/1993		321.25	6.22	-260.25	1	U.S. Geological Survey	Steel Tape		
P	8/12/1993		319.38	(1.87)	-258.38	1	U.S. Geological Survey	Steel Tape		
P	9/10/1993		325.02	5.64	-264.02	1	U.S. Geological Survey	Steel Tape		
P	11/4/1993		337.5	12.48	-276.5	1	U.S. Geological Survey	Unknown		
P	12/29/1993		330.86	(6.64)	-269.86	1	U.S. Geological Survey	Steel Tape		
P	1/27/1994		326.19	(4.67)	-265.19	1	U.S. Geological Survey	Steel Tape		
P	2/24/1994		323.28	(2.91)	-262.28	1	U.S. Geological Survey	Steel Tape		
P	3/24/1994		321.55	(1.73)	-260.55	1	U.S. Geological Survey	Steel Tape		
P	4/21/1994		318.87	(2.68)	-257.87	1	U.S. Geological Survey	Steel Tape		
P	5/19/1994		317.86	(1.01)	-256.86	1	U.S. Geological Survey	Steel Tape		
P	6/17/1994		317.79	(0.07)	-256.79	1	U.S. Geological Survey	Steel Tape		
P	7/13/1994		323.27	5.48	-262.27	1	U.S. Geological Survey	Steel Tape		
P	8/11/1994		328.83	5.56	-267.83	1	U.S. Geological Survey	Steel Tape		
P	9/13/1994		331.44	2.61	-270.44	1	U.S. Geological Survey	Steel Tape		
P	1/26/1995		323.87	(7.57)	-262.87	1	U.S. Geological Survey	Steel Tape		
P	10/4/1995		324	0.13	-263	1	U.S. Geological Survey	Electric Line		
P	11/14/1995		320.94	(3.06)	-259.94	1	U.S. Geological Survey	Steel Tape		
P	11/30/1995		319.77	(1.17)	-258.77	1	U.S. Geological Survey	Steel Tape		
P	1/3/1996		315.57	(4.20)	-254.57	1	U.S. Geological Survey	Steel Tape		
P	1/25/1996		315.27	(0.30)	-254.27	1	U.S. Geological Survey	Steel Tape		
P	2/22/1996		313.45	(1.82)	-252.45	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/21/1996		315.44	1.99	-254.44	1	U.S. Geological Survey	Steel Tape		
P	4/18/1996		319.84	4.40	-258.84	1	U.S. Geological Survey	Steel Tape		
P	5/16/1996		317.48	(2.36)	-256.48	1	U.S. Geological Survey	Steel Tape		
P	6/13/1996		320.66	3.18	-259.66	1	U.S. Geological Survey	Steel Tape		
P	7/11/1996		325.33	4.67	-264.33	1	U.S. Geological Survey	Steel Tape		
P	8/9/1996		329.92	4.59	-268.92	1	U.S. Geological Survey	Steel Tape		
P	9/5/1996		328.36	(1.56)	-267.36	1	U.S. Geological Survey	Steel Tape		
P	1/24/1997		319.94	(8.42)	-258.94	1	U.S. Geological Survey	Steel Tape		
P	2/19/1997		312.05	(7.89)	-251.05	1	U.S. Geological Survey	Steel Tape		
P	1/20/1998		302.88	(9.17)	-241.88	1	U.S. Geological Survey	Steel Tape		
P	2/18/1998		300.1	(2.78)	-239.1	1	U.S. Geological Survey	Steel Tape		
P	3/18/1998		297.48	(2.62)	-236.48	1	U.S. Geological Survey	Steel Tape		
P	4/14/1998		297.99	0.51	-236.99	1	U.S. Geological Survey	Steel Tape		
P	5/13/1998		300.28	2.29	-239.28	1	U.S. Geological Survey	Steel Tape		
P	6/20/1998		306.6	6.32	-245.6	1	U.S. Geological Survey	Steel Tape		
P	7/9/1998		312	5.40	-251	1	U.S. Geological Survey	Steel Tape		
P	8/6/1998		312.45	0.45	-251.45	1	U.S. Geological Survey	Steel Tape		
P	9/4/1998		313.02	0.57	-252.02	1	U.S. Geological Survey	Steel Tape		
P	10/2/1998		313.27	0.25	-252.27	1	U.S. Geological Survey	Steel Tape		
P	10/27/1998		317.48	4.21	-256.48	1	U.S. Geological Survey	Steel Tape		
P	12/17/1998		316.78	(0.70)	-255.78	1	U.S. Geological Survey	Steel Tape		
P	1/16/1999		309.37	(7.41)	-248.37	1	U.S. Geological Survey	Unknown		
P	2/11/1999		307.72	(1.65)	-246.72	1	U.S. Geological Survey	Unknown		
P	3/15/1999		308.43	0.71	-247.43	1	U.S. Geological Survey	Steel Tape		
P	4/9/1999		303.95	(4.48)	-242.95	1	U.S. Geological Survey	Steel Tape		
P	5/6/1999		304.38	0.43	-243.38	1	U.S. Geological Survey	Steel Tape		
P	6/4/1999		307	2.62	-246	1	U.S. Geological Survey	Steel Tape		
P	6/29/1999		309.22	2.22	-248.22	1	U.S. Geological Survey	Steel Tape		
P	7/30/1999		309.71	0.49	-248.71	1	U.S. Geological Survey	Steel Tape		
P	8/26/1999		310.72	1.01	-249.72	1	U.S. Geological Survey	Steel Tape		
P	9/23/1999		310.57	(0.15)	-249.57	1	U.S. Geological Survey	Steel Tape		
P	10/25/1999		310.24	(0.33)	-249.24	1	U.S. Geological Survey	Steel Tape		
P	11/23/1999		310.13	(0.11)	-249.13	1	U.S. Geological Survey	Steel Tape		
P	12/21/1999		310.81	0.68	-249.81	1	U.S. Geological Survey	Steel Tape		
P	1/11/2000		319.34	8.53	-258.34	1	U.S. Geological Survey	Steel Tape		
P	2/9/2000		321.73	2.39	-260.73	1	U.S. Geological Survey	Steel Tape		
Q	3/9/2000		315.38	(6.35)	-254.38	1	U.S. Geological Survey	Steel Tape	3	
Q	4/6/2000		316.88	1.50	-255.88	1	U.S. Geological Survey	Steel Tape	3	
Q	5/8/2000		317.07	0.19	-256.07	1	U.S. Geological Survey	Steel Tape	3	
Q	5/31/2000		318.18	1.11	-257.18	1	U.S. Geological Survey	Steel Tape	3	
Q	6/29/2000		314.96	(3.22)	-253.96	1	U.S. Geological Survey	Steel Tape	3	
Q	7/26/2000		317.35	2.39	-256.35	1	U.S. Geological Survey	Steel Tape	3	

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P	8/25/2000		315.46	(1.89)	-254.46	1	U.S. Geological Survey	Steel Tape		
Q	9/20/2000		324.16	8.70	-263.16	1	U.S. Geological Survey	Steel Tape	3	
P	10/19/2000		323.9	(0.26)	-262.9	1	U.S. Geological Survey	Steel Tape		
P	11/16/2000		320.32	(3.58)	-259.32	1	U.S. Geological Survey	Steel Tape		
P	12/15/2000		318.96	(1.36)	-257.96	1	U.S. Geological Survey	Steel Tape		
P	1/15/2001		317.62	(1.34)	-256.62	1	U.S. Geological Survey	Steel Tape		
P	2/9/2001		318.11	0.49	-257.11	1	U.S. Geological Survey	Steel Tape		
P	3/9/2001		315.42	(2.69)	-254.42	1	U.S. Geological Survey	Steel Tape		
P	4/6/2001		318.91	3.49	-257.91	1	U.S. Geological Survey	Steel Tape		
P	5/15/2001		306.99	(11.92)	-245.99	1	U.S. Geological Survey	Steel Tape		
P	5/31/2001		306.78	(0.21)	-245.78	1	U.S. Geological Survey	Steel Tape		
P	6/28/2001		307.17	0.39	-246.17	1	U.S. Geological Survey	Steel Tape		
P	7/25/2001		303.03	(4.14)	-242.03	1	U.S. Geological Survey	Steel Tape		
P	8/22/2001		306.64	3.61	-245.64	1	U.S. Geological Survey	Steel Tape		
P	9/19/2001		307.47	0.83	-246.47	1	U.S. Geological Survey	Steel Tape		
P	10/18/2001		305.99	(1.48)	-244.99	1	U.S. Geological Survey	Steel Tape		
P	11/14/2001		309.79	3.80	-248.79	1	U.S. Geological Survey	Steel Tape		
P	12/14/2001		314.16	4.37	-253.16	1	U.S. Geological Survey	Steel Tape		
P	1/9/2002		309.04	(5.12)	-248.04	1	U.S. Geological Survey	Steel Tape		
P	2/8/2002		297.67	(11.37)	-236.67	1	U.S. Geological Survey	Steel Tape		
P	3/7/2002		301.68	4.01	-240.68	1	U.S. Geological Survey	Steel Tape		
P	4/4/2002		303.68	2.00	-242.68	1	U.S. Geological Survey	Steel Tape		
P	5/1/2002		296.94	(6.74)	-235.94	1	U.S. Geological Survey	Steel Tape		
P	5/31/2002		296.91	(0.03)	-235.91	1	U.S. Geological Survey	Steel Tape		
P	6/26/2002		295.05	(1.86)	-234.05	1	U.S. Geological Survey	Steel Tape		
P	7/25/2002		296.08	1.03	-235.08	1	U.S. Geological Survey	Steel Tape		
P	8/23/2002		301.44	5.36	-240.44	1	U.S. Geological Survey	Steel Tape		
P	9/19/2002		293.55	(7.89)	-232.55	1	U.S. Geological Survey	Steel Tape		
P	10/16/2002		292.44	(1.11)	-231.44	1	U.S. Geological Survey	Steel Tape		
P	11/14/2002		284.62	(7.82)	-223.62	1	U.S. Geological Survey	Steel Tape		
P	12/11/2002		292.43	7.81	-231.43	1	U.S. Geological Survey	Steel Tape		
P	1/8/2003		293.22	0.79	-232.22	1	U.S. Geological Survey	Steel Tape		
P	2/5/2003		294.79	1.57	-233.79	1	U.S. Geological Survey	Steel Tape		
P	3/7/2003		294.24	(0.55)	-233.24	1	U.S. Geological Survey	Steel Tape		
P	4/4/2003		292.43	(1.81)	-231.43	1	U.S. Geological Survey	Steel Tape		
P	5/1/2003		291.87	(0.56)	-230.87	1	U.S. Geological Survey	Steel Tape		
P	5/30/2003		292.24	0.37	-231.24	1	U.S. Geological Survey	Steel Tape		
P	6/27/2003		292.96	0.72	-231.96	1	U.S. Geological Survey	Steel Tape		
P	7/23/2003		291.64	(1.32)	-230.64	1	U.S. Geological Survey	Steel Tape		
P	8/21/2003		291.14	(0.50)	-230.14	1	U.S. Geological Survey	Steel Tape		
P	9/18/2003		290.58	(0.56)	-229.58	1	U.S. Geological Survey	Steel Tape		
P	10/17/2003		288.8	(1.78)	-227.8	1	U.S. Geological Survey	Steel Tape		

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P	11/14/2003		286.94	(1.86)	-225.94	1	U.S. Geological Survey	Steel Tape		
P	12/10/2003		284.68	(2.26)	-223.68	1	U.S. Geological Survey	Steel Tape		
P	1/8/2004		284.23	(0.45)	-223.23	1	U.S. Geological Survey	Steel Tape		
P	2/6/2004		279.11	(5.12)	-218.11	1	U.S. Geological Survey	Steel Tape		
P	3/4/2004		276.68	(2.43)	-215.68	1	U.S. Geological Survey	Steel Tape		
P	4/1/2004		274.64	(2.04)	-213.64	1	U.S. Geological Survey	Steel Tape		
P	4/29/2004		272.76	(1.88)	-211.76	1	U.S. Geological Survey	Steel Tape		
P	5/27/2004		270.83	(1.93)	-209.83	1	U.S. Geological Survey	Steel Tape		
P	6/24/2004		269.11	(1.72)	-208.11	1	U.S. Geological Survey	Steel Tape		
P	7/21/2004		267.15	(1.96)	-206.15	1	U.S. Geological Survey	Steel Tape		
P	8/19/2004		266.44	(0.71)	-205.44	1	U.S. Geological Survey	Steel Tape		
P	9/15/2004		265.77	(0.67)	-204.77	1	U.S. Geological Survey	Steel Tape		
P	10/12/2004		265.37	(0.40)	-204.37	1	U.S. Geological Survey	Steel Tape		
P	11/8/2004		265.21	(0.16)	-204.21	1	U.S. Geological Survey	Steel Tape		
P	12/7/2004		268.09	2.88	-207.09	1	U.S. Geological Survey	Steel Tape		
P	1/4/2005		261.98	(6.11)	-200.98	1	U.S. Geological Survey	Steel Tape		
P	2/3/2005		260.28	(1.70)	-199.28	1	U.S. Geological Survey	Steel Tape		
P	2/9/2005		259.81	(0.47)	-198.81	1	U.S. Geological Survey	Steel Tape		
P	3/1/2005		258.61	(1.20)	-197.61	1	U.S. Geological Survey	Steel Tape		
P	3/17/2005		257.62	(0.99)	-196.62	1	U.S. Geological Survey	Steel Tape		
P	3/18/2005		257.51	(0.11)	-196.51	1	U.S. Geological Survey	Steel Tape		
P	3/28/2005		256.91	(0.60)	-195.91	1	U.S. Geological Survey	Steel Tape		
P	4/28/2005		255.08	(1.83)	-194.08	1	U.S. Geological Survey	Steel Tape		
P	5/25/2005		254.83	(0.25)	-193.83	1	U.S. Geological Survey	Steel Tape		
P	6/22/2005		257.38	2.55	-196.38	1	U.S. Geological Survey	Steel Tape		
P	7/18/2005		261.79	4.41	-200.79	1	U.S. Geological Survey	Steel Tape		
P	8/17/2005		263.86	2.07	-202.86	1	U.S. Geological Survey	Steel Tape		
P	9/21/2005		268.38	4.52	-207.38	1	U.S. Geological Survey	Steel Tape		
P	10/19/2005		271.12	2.74	-210.12	1	U.S. Geological Survey	Steel Tape		
P	11/15/2005		273.95	2.83	-212.95	1	U.S. Geological Survey	Steel Tape		
P	12/13/2005		274.23	0.28	-213.23	1	U.S. Geological Survey	Steel Tape		
P	1/5/2006		276.18	1.95	-215.18	1	U.S. Geological Survey	Steel Tape		
P	2/9/2006		273.69	(2.49)	-212.69	1	U.S. Geological Survey	Steel Tape		
P	3/8/2006		272.24	(1.45)	-211.24	1	U.S. Geological Survey	Steel Tape		
P	4/6/2006		270.32	(1.92)	-209.32	1	U.S. Geological Survey	Steel Tape		
P	5/4/2006		268.9	(1.42)	-207.9	1	U.S. Geological Survey	Steel Tape		
P	5/30/2006		268.14	(0.76)	-207.14	1	U.S. Geological Survey	Steel Tape		
P	6/29/2006		267.56	(0.58)	-206.56	1	U.S. Geological Survey	Steel Tape		
P	7/28/2006		266.33	(1.23)	-205.33	1	U.S. Geological Survey	Steel Tape		
P	8/24/2006		265.42	(0.91)	-204.42	1	U.S. Geological Survey	Steel Tape		
P	9/26/2006		264.66	(0.76)	-203.66	1	U.S. Geological Survey	Steel Tape		
P	10/23/2006		263.79	(0.87)	-202.79	1	U.S. Geological Survey	Steel Tape		

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P	11/15/2006		262.29	(1.50)	-201.29	1	U.S. Geological Survey	Steel Tape		
P	12/13/2006		262.75	0.46	-201.75	1	U.S. Geological Survey	Steel Tape		
P	1/9/2007		261.47	(1.28)	-200.47	1	U.S. Geological Survey	Steel Tape		
P	2/5/2007		259.68	(1.79)	-198.68	1	U.S. Geological Survey	Steel Tape		
P	3/14/2007		258.54	(1.14)	-197.54	1	U.S. Geological Survey	Steel Tape		
P	4/4/2007		257.11	(1.43)	-196.11	1	U.S. Geological Survey	Steel Tape		
P	5/4/2007		255.2	(1.91)	-194.2	1	U.S. Geological Survey	Steel Tape		
P	5/31/2007		253.63	(1.57)	-192.63	1	U.S. Geological Survey	Steel Tape		
P	6/4/2007		253.38	(0.25)	-192.38	1	U.S. Geological Survey	Steel Tape		
P	6/29/2007		252.66	(0.72)	-191.66	1	U.S. Geological Survey	Steel Tape		
P	7/30/2007		251.02	(1.64)	-190.02	1	U.S. Geological Survey	Steel Tape		
P	8/24/2007		250.02	(1.00)	-189.02	1	U.S. Geological Survey	Steel Tape		
P	9/18/2007		249.25	(0.77)	-188.25	1	U.S. Geological Survey	Steel Tape		
P	10/18/2007		248.58	(0.67)	-187.58	1	U.S. Geological Survey	Steel Tape		
P	12/14/2007		247.15	(1.43)	-186.15	1	U.S. Geological Survey	Steel Tape		
P	1/7/2008		246.23	(0.92)	-185.23	1	U.S. Geological Survey	Steel Tape		
P	2/12/2008		244.77	(1.46)	-183.77	1	U.S. Geological Survey	Steel Tape		
P	3/13/2008		243.49	(1.28)	-182.49	1	U.S. Geological Survey	Steel Tape		
P	4/15/2008		242.52	(0.97)	-181.52	1	U.S. Geological Survey	Steel Tape		
P	5/8/2008		242.1	(0.42)	-181.1	1	U.S. Geological Survey	Steel Tape		
P	6/9/2008		241.67	(0.43)	-180.67	1	U.S. Geological Survey	Electric Line		
P	6/13/2008		243	1.33	-182	1	U.S. Geological Survey	Electric Line		
P	7/11/2008		242.54	(0.46)	-181.54	1	U.S. Geological Survey	Electric Line		
P	8/28/2008		243.29	0.75	-182.29	1	U.S. Geological Survey	Electric Line		
P	10/2/2008		248.82	5.53	-187.82	1	U.S. Geological Survey	Electric Line		
P	10/30/2008		248.4	(0.42)	-187.4	1	U.S. Geological Survey	Steel Tape		
P	11/26/2008		248.42	0.02	-187.42	1	U.S. Geological Survey	Electric Line		
P	12/19/2008		253.43	5.01	-192.43	1	U.S. Geological Survey	Electric Line		
P	1/22/2009		255.01	1.58	-194.01	1	U.S. Geological Survey	Steel Tape		
P	3/6/2009		255.57	0.56	-194.57	1	U.S. Geological Survey	Steel Tape		
P	4/3/2009		254.68	(0.89)	-193.68	1	U.S. Geological Survey	Electric Line		
P	4/6/2009		254.07	(0.61)	-193.07	1	U.S. Geological Survey	Electric Line		
P	4/30/2009		255.08	1.01	-194.08	1	U.S. Geological Survey	Electric Line		
P	5/28/2009		256.77	1.69	-195.77	1	U.S. Geological Survey	Electric Line		
P	6/24/2009		259.45	2.68	-198.45	1	U.S. Geological Survey	Electric Line		
P	6/29/2009		259.89	0.44	-198.89	1	U.S. Geological Survey	Electric Line		
P	7/13/2009		261.5	1.61	-200.5	1	U.S. Geological Survey	Electric Line		
P	7/21/2009		262.26	0.76	-201.26	1	U.S. Geological Survey	Electric Line		
P	8/18/2009		264.46	2.20	-203.46	1	U.S. Geological Survey	Electric Line		
P	9/17/2009		263.21	(1.25)	-202.21	1	U.S. Geological Survey	Electric Line		
P	10/15/2009		260.92	(2.29)	-199.92	1	U.S. Geological Survey	Electric Line		
P	11/13/2009		262.13	1.21	-201.13	1	U.S. Geological Survey	Electric Line		

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P	12/9/2009		259.59	(2.54)	-198.59	1	U.S. Geological Survey	Electric Line		
P	1/6/2010		259.17	(0.42)	-198.17	1	U.S. Geological Survey	Steel Tape		
P	2/9/2010		261.43	2.26	-200.43	1	U.S. Geological Survey	Electric Line		
P	3/11/2010		260.34	(1.09)	-199.34	1	U.S. Geological Survey	Electric Line		
P	3/30/2010		259.89	(0.45)	-198.89	1	U.S. Geological Survey	Electric Line		
P	5/4/2010		259.2	(0.69)	-198.2	1	U.S. Geological Survey	Electric Line		
P	6/3/2010		253.66	(5.54)	-192.66	1	U.S. Geological Survey	Electric Line		
P	7/1/2010		251.9	(1.76)	-190.9	1	U.S. Geological Survey	Electric Line		
P	7/28/2010		250.16	(1.74)	-189.16	1	U.S. Geological Survey	Electric Line		
P	8/27/2010		249.3	(0.86)	-188.3	1	U.S. Geological Survey	Steel Tape		
P	9/23/2010		248.93	(0.37)	-187.93	1	U.S. Geological Survey	Electric Line		
P	10/20/2010		248.33	(0.60)	-187.33	1	U.S. Geological Survey	Electric Line		
P	11/18/2010		248.16	(0.17)	-187.16	1	U.S. Geological Survey	Electric Line		
P	12/14/2010		246.92	(1.24)	-185.92	1	U.S. Geological Survey	Electric Line		
P	1/3/2011		246.07	(0.85)	-185.07	1	U.S. Geological Survey	Steel Tape		
P	2/1/2011		244.16	(1.91)	-183.16	1	U.S. Geological Survey	Electric Line		
P	3/3/2011		242.99	(1.17)	-181.99	1	U.S. Geological Survey	Electric Line		
P	3/31/2011		244.08	1.09	-183.08	1	U.S. Geological Survey	Electric Line		
P	5/12/2011		241.51	(2.57)	-180.51	1	U.S. Geological Survey	Electric Line		
P	6/7/2011		247.13	5.62	-186.13	1	U.S. Geological Survey	Steel Tape		
P	6/10/2011		247.6	0.47	-186.6	1	U.S. Geological Survey	Electric Line		
P	6/13/2011		248.17	0.57	-187.17	1	U.S. Geological Survey	Electric Line		
P	7/6/2011		249.77	1.60	-188.77	1	U.S. Geological Survey	Electric Line		
P	8/3/2011		253.02	3.25	-192.02	1	U.S. Geological Survey	Electric Line		
P	9/9/2011		258.81	5.79	-197.81	1	U.S. Geological Survey	Electric Line		
P	10/7/2011		262.01	3.20	-201.01	1	U.S. Geological Survey	Electric Line		
P	11/2/2011		261.54	(0.47)	-200.54	1	U.S. Geological Survey	Electric Line		
P	12/1/2011		260.98	(0.56)	-199.98	1	U.S. Geological Survey	Electric Line		
P	12/30/2011		259.43	(1.55)	-198.43	1	U.S. Geological Survey	Electric Line		
P	1/24/2012		262.99	3.56	-201.99	1	U.S. Geological Survey	Electric Line		
P	2/24/2012		260.33	(2.66)	-199.33	1	U.S. Geological Survey	Electric Line		
P	3/22/2012		256.76	(3.57)	-195.76	1	U.S. Geological Survey	Electric Line		
P	4/19/2012		254.99	(1.77)	-193.99	1	U.S. Geological Survey	Electric Line		
P	5/17/2012		253.91	(1.08)	-192.91	1	U.S. Geological Survey	Electric Line		
P	6/12/2012		259.37	5.46	-198.37	1	U.S. Geological Survey	Electric Line		
P	7/5/2012		260.84	1.47	-199.84	1	U.S. Geological Survey	Electric Line		
P	8/7/2012		261.01	0.17	-200.01	1	U.S. Geological Survey	Electric Line		
P	9/7/2012		262.69	1.68	-201.69	1	U.S. Geological Survey	Electric Line		
P	10/12/2012		258.85	(3.84)	-197.85	1	U.S. Geological Survey	Electric Line		
P	11/7/2012		257.72	(1.13)	-196.72	1	U.S. Geological Survey	Electric Line		
P	12/5/2012		256.94	(0.78)	-195.94	1	U.S. Geological Survey	Electric Line		
P	1/8/2013		255.17	(1.77)	-194.17	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/21/2013		252.65	(2.52)	-191.65	1	U.S. Geological Survey	Electric Line		
P	4/1/2013		251.09	(1.56)	-190.09	1	U.S. Geological Survey	Electric Line		
P	4/30/2013		249.68	(1.41)	-188.68	1	U.S. Geological Survey	Electric Line		
P	5/30/2013		248.36	(1.32)	-187.36	1	U.S. Geological Survey	Electric Line		
P	6/21/2013		248.23	(0.13)	-187.23	1	U.S. Geological Survey	Electric Line		
P	7/24/2013		248.98	0.75	-187.98	1	U.S. Geological Survey	Electric Line		
P	8/5/2013		249.66	0.68	-188.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2013		250.03	0.37	-189.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2013		250.32	0.29	-189.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2013		250.57	0.25	-189.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2013		250.82	0.25	-189.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/29/2013		251.09	0.27	-190.09	1	U.S. Geological Survey	Electric Line		
P	8/30/2013		251.07	(0.02)	-190.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2013		251.53	0.46	-190.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2013		251.76	0.23	-190.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2013		251.98	0.22	-190.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2013		251.96	(0.02)	-190.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2013		252.24	0.28	-191.24	1	U.S. Geological Survey	Electric Line		
P	9/30/2013		252.22	(0.02)	-191.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2013		252.39	0.17	-191.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2013		252.68	0.29	-191.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2013		252.77	0.09	-191.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2013		252.83	0.06	-191.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/22/2013		252.88	0.05	-191.88	1	U.S. Geological Survey	Electric Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/25/2013		252.99	0.11	-191.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2013		252.83	(0.16)	-191.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2013		252.91	0.08	-191.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2013		253	0.09	-192	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2013		252.82	(0.18)	-191.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2013		252.8	(0.02)	-191.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/21/2013		252.84	0.04	-191.84	1	U.S. Geological Survey	Electric Line		
P	11/25/2013		252.76	(0.08)	-191.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2013		252.79	0.03	-191.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2013		252.57	(0.22)	-191.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2013		252.72	0.15	-191.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2013		252.58	(0.14)	-191.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/19/2013		252.39	(0.19)	-191.39	1	U.S. Geological Survey	Electric Line		
P	12/20/2013		252.23	(0.16)	-191.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2013		252.33	0.10	-191.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2013		252.14	(0.19)	-191.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2014		251.89	(0.25)	-190.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2014		251.73	(0.16)	-190.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2014		251.76	0.03	-190.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2014		251.49	(0.27)	-190.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/25/2014		251.41	(0.08)	-190.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2014		251.25	(0.16)	-190.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2014	1033	251.39	0.14	-190.39	1	U.S. Geological Survey	Electric Line		
P	2/5/2014		251.18	(0.21)	-190.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2014		251	(0.18)	-190	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2014		250.84	(0.16)	-189.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2014		250.56	(0.28)	-189.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2014		250.41	(0.15)	-189.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2014		250.13	(0.28)	-189.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/3/2014		250.26	0.13	-189.26	1	U.S. Geological Survey	Electric Line		
P	3/5/2014		250.03	(0.23)	-189.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2014		249.77	(0.26)	-188.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2014		249.42	(0.35)	-188.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2014		249.39	(0.03)	-188.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2014		249.2	(0.19)	-188.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2014		248.93	(0.27)	-187.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/3/2014		248.67	(0.26)	-187.67	1	U.S. Geological Survey	Electric Line		
P	4/5/2014		248.62	(0.05)	-187.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2014		248.5	(0.12)	-187.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2014		248.26	(0.24)	-187.26	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2014		247.93	(0.33)	-186.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/25/2014		247.75	(0.18)	-186.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2014		247.79	0.04	-186.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2014		247.77	(0.02)	-186.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2014		247.71	(0.06)	-186.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2014		247.74	0.03	-186.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2014	1029	247.8	0.06	-186.8	1	U.S. Geological Survey	Electric Line		
P	5/20/2014		247.72	(0.08)	-186.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2014		247.61	(0.11)	-186.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2014		249.1	1.49	-188.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2014		251.34	2.24	-190.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2014		252.12	0.78	-191.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/11/2014		252.3	0.18	-191.3	1	U.S. Geological Survey	Electric Line		
P	6/15/2014		252.13	(0.17)	-191.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2014		253.18	1.05	-192.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2014		253.7	0.52	-192.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2014		254.15	0.45	-193.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2014		254.55	0.40	-193.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2014		254.73	0.18	-193.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/11/2014		254.91	0.18	-193.91	1	U.S. Geological Survey	Electric Line		
P	7/31/2014		255.5	0.59	-194.5	1	U.S. Geological Survey	Electric Line		
P	8/5/2014		255.56	0.06	-194.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/8/2014		255.67	0.11	-194.67	1	U.S. Geological Survey	Air Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/10/2014		255.68	0.01	-194.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2014		255.88	0.20	-194.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2014		256.19	0.31	-195.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2014		256.43	0.24	-195.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2014		256.59	0.16	-195.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/2/2014		256.78	0.19	-195.78	1	U.S. Geological Survey	Electric Line		
P	9/5/2014		256.86	0.08	-195.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2014		257.04	0.18	-196.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2014		257.24	0.20	-196.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2014		253.93	(3.31)	-192.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2014		255.88	1.95	-194.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2014		256.42	0.54	-195.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2014		256.9	0.48	-195.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2014		257.15	0.25	-196.15	1	U.S. Geological Survey	Electric Line		
P	10/15/2014		255.61	(1.54)	-194.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2014		253.31	(2.30)	-192.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2014		252.65	(0.66)	-191.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2014		252.37	(0.28)	-191.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2014		252.22	(0.15)	-191.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/6/2014		252.34	0.12	-191.34	1	U.S. Geological Survey	Electric Line		
P	11/10/2014		252.06	(0.28)	-191.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/15/2014		251.84	(0.22)	-190.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2014		251.58	(0.26)	-190.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2014		251.31	(0.27)	-190.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2014		250.92	(0.39)	-189.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2014		250.64	(0.28)	-189.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2014		250.56	(0.08)	-189.56	1	U.S. Geological Survey	Steel Tape		
P	12/15/2014		249.82	(0.74)	-188.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2014		249.51	(0.31)	-188.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2014		249.14	(0.37)	-188.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2014		248.95	(0.19)	-187.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2015		248.69	(0.26)	-187.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2015		248.34	(0.35)	-187.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2015		248.05	(0.29)	-187.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2015		247.7	(0.35)	-186.7	1	U.S. Geological Survey	Electric Line		
P	1/25/2015		247.56	(0.14)	-186.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2015		247.23	(0.33)	-186.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2015		246.95	(0.28)	-185.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2015		246.55	(0.40)	-185.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2015		246.3	(0.25)	-185.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2015		246.05	(0.25)	-185.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/24/2015		246.1	0.05	-185.1	1	U.S. Geological Survey	Electric Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/25/2015		245.89	(0.21)	-184.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2015		245.95	0.06	-184.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2015		245.8	(0.15)	-184.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2015		245.56	(0.24)	-184.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2015		245.54	(0.02)	-184.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2015		245.32	(0.22)	-184.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2015		245.01	(0.31)	-184.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2015		244.9	(0.11)	-183.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/2/2015	0946	244.82	(0.08)	-183.82	1	U.S. Geological Survey	Electric Line		
P	4/5/2015		244.71	(0.11)	-183.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2015		244.55	(0.16)	-183.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2015		244.3	(0.25)	-183.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2015		244.14	(0.16)	-183.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2015		243.96	(0.18)	-182.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/27/2015	1400	243.73	(0.23)	-182.73	1	U.S. Geological Survey	Electric Line		
P	4/30/2015		243.83	0.10	-182.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2015		245.34	1.51	-184.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2015		247.17	1.83	-186.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2015		247.96	0.79	-186.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/18/2015	1133	248.46	0.50	-187.46	1	U.S. Geological Survey	Electric Line		
P	5/20/2015		248.44	(0.02)	-187.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Q	5/27/2015	1225	249.03	0.59	-188.03	1	U.S. Geological Survey	Electric Line	3	
P	5/30/2015		249.1	0.07	-188.1	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2015		248.15	(0.95)	-187.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2015		249.18	1.03	-188.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2015		248.82	(0.36)	-187.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2015		245.86	(2.96)	-184.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2015		247.72	1.86	-186.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2015	1144	247.93	0.21	-186.93	1	U.S. Geological Survey	Electric Line		
P	6/30/2015		248.39	0.46	-187.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2015		249.25	0.86	-188.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2015		249.52	0.27	-188.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2015		249.59	0.07	-188.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2015		249.84	0.25	-188.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/22/2015	0950	249.96	0.12	-188.96	1	U.S. Geological Survey	Electric Line		
P	7/25/2015		250.12	0.16	-189.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2015		250.6	0.48	-189.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2015		251.21	0.61	-190.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2015		251.76	0.55	-190.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/11/2015	1002	252.06	0.30	-191.06	1	U.S. Geological Survey	Electric Line		
P	8/15/2015		252.36	0.30	-191.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2015		252.83	0.47	-191.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/25/2015		253.4	0.57	-192.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2015		253.8	0.40	-192.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2015		254.24	0.44	-193.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/9/2015	1230	254.71	0.47	-193.71	1	U.S. Geological Survey	Electric Line		
P	9/10/2015		253.8	(0.91)	-192.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2015		251.85	(1.95)	-190.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2015		254.55	2.70	-193.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2015		255.24	0.69	-194.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	9/28/2015	1045	255.5	0.26	-194.5	1	U.S. Geological Survey	Electric Line	3	
P	9/30/2015		255.64	0.14	-194.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2015		252.9	(2.74)	-191.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2015		252.35	(0.55)	-191.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2015		252.06	(0.29)	-191.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2015		251.93	(0.13)	-190.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2015		251.62	(0.31)	-190.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/29/2015	1053	251.59	(0.03)	-190.59	1	U.S. Geological Survey	Electric Line		
P	10/30/2015		251.58	(0.01)	-190.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2015		251.42	(0.16)	-190.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2015		254.82	3.40	-193.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2015		255.51	0.69	-194.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2015		255.75	0.24	-194.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Q	11/24/2015	0900	255.94	0.19	-194.94	1	U.S. Geological Survey	Electric Line	2	
P	11/25/2015		255.81	(0.13)	-194.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2015		255.94	0.13	-194.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2015		256.14	0.20	-195.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2015		255.99	(0.15)	-194.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/23/2015	1305	255.41	(0.58)	-194.41	1	U.S. Geological Survey	Electric Line		
P	12/30/2015		255.78	0.37	-194.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2016		255.76	(0.02)	-194.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2016		255.68	(0.08)	-194.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2016		255.07	(0.61)	-194.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2016		255.35	0.28	-194.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	1/20/2016	1346	255.61	0.26	-194.61	1	U.S. Geological Survey	Electric Line	2	
P	1/25/2016		255.5	(0.11)	-194.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2016		255.41	(0.09)	-194.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2016		255.4	(0.01)	-194.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2016		255.34	(0.06)	-194.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2016		255.06	(0.28)	-194.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2016		255.02	(0.04)	-194.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2016		254.61	(0.41)	-193.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	3/1/2016	1406	254.91	0.30	-193.91	1	U.S. Geological Survey	Electric Line	3	
P	3/5/2016	0300	254.94	0.03	-193.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/10/2016	0530	254.71	(0.23)	-193.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2016	0500	254.74	0.03	-193.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2016	2330	253.59	(1.15)	-192.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2016	0900	254.13	0.54	-193.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2016	2330	254.24	0.11	-193.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	3/31/2016	0903	254.33	0.09	-193.33	1	U.S. Geological Survey	Electric Line	2	
P	4/5/2016	2330	251.76	(2.57)	-190.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2016	2300	250.44	(1.32)	-189.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2016	1700	249.78	(0.66)	-188.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2016	1800	249.27	(0.51)	-188.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2016	2130	248.77	(0.50)	-187.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2016	0230	248.41	(0.36)	-187.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	5/3/2016	1436	248.31	(0.10)	-187.31	1	U.S. Geological Survey	Electric Line	3	
P	5/5/2016	1800	248.14	(0.17)	-187.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2016	2100	247.8	(0.34)	-186.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2016	0000	250.02	2.22	-189.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2016	2330	249.91	(0.11)	-188.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2016	2130	248.06	(1.85)	-187.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2016	1830	247.53	(0.53)	-186.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/1/2016	0936	247.55	0.02	-186.55	1	U.S. Geological Survey	Electric Line		
P	6/5/2016	2000	247.04	(0.51)	-186.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/10/2016	2130	246.87	(0.17)	-185.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2016	0230	246.64	(0.23)	-185.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2016	2100	247.17	0.53	-186.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2016	0000	249.14	1.97	-188.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2016	0130	250.44	1.30	-189.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	7/1/2016	0842	250.44	0.00	-189.44	1	U.S. Geological Survey	Electric Line	3	
P	7/5/2016	0000	250.79	0.35	-189.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2016	0000	251.15	0.36	-190.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2016	0330	251.48	0.33	-190.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2016	0000	252.01	0.53	-191.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2016	2330	251.65	(0.36)	-190.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2016	0000	252.21	0.56	-191.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/2/2016	1019	253.18	0.97	-192.18	1	U.S. Geological Survey	Electric Line	2	
P	8/5/2016	1030	253.46	0.28	-192.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2016	0000	253.95	0.49	-192.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2016	0330	254.45	0.50	-193.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2016	0900	254.72	0.27	-193.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2016	0000	254.97	0.25	-193.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/26/2016	1038	255.19	0.22	-194.19	1	U.S. Geological Survey	Electric Line	2	
P	9/5/2016	0000	255.25	0.06	-194.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2016	2330	254.25	(1.00)	-193.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/15/2016	0530	255.14	0.89	-194.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2016	0000	255.38	0.24	-194.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2016	0330	255.44	0.06	-194.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	9/27/2016	1006	255.38	(0.06)	-194.38	1	U.S. Geological Survey	Electric Line	3	
P	9/30/2016	1900	255.42	0.04	-194.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2016	0000	255.54	0.12	-194.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2016	1530	255.81	0.27	-194.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2016	1800	255.88	0.07	-194.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2016	0000	256.02	0.14	-195.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	10/21/2016	1024	256.4	0.38	-195.4	1	U.S. Geological Survey	Electric Line	2	
P	10/25/2016	1530	256.54	0.14	-195.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2016	1500	253.75	(2.79)	-192.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2016	0000	256.57	2.82	-195.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2016	0200	257.14	0.57	-196.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2016	0600	257.35	0.21	-196.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2016	1500	257.7	0.35	-196.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2016	0230	257.9	0.20	-196.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2016	0000	258.08	0.18	-197.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	12/1/2016	1247	258.09	0.01	-197.09	1	U.S. Geological Survey	Steel Tape	2	
P	12/5/2016	1330	258	(0.09)	-197	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2016	1700	258.38	0.38	-197.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/15/2016	1830	258.46	0.08	-197.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2016	1700	258.59	0.13	-197.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/22/2016	0955	258.53	(0.06)	-197.53	1	U.S. Geological Survey	Electric Line		
P	12/25/2016	1500	258.45	(0.08)	-197.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2016	2300	258.62	0.17	-197.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2017	1300	257.93	(0.69)	-196.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2017	0630	258.58	0.65	-197.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2017	1830	258.62	0.04	-197.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2017	2330	258.41	(0.21)	-197.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2017	0230	258.44	0.03	-197.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2017	1830	258.67	0.23	-197.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	1/31/2017	1048	258.87	0.20	-197.87	1	U.S. Geological Survey	Electric Line	2	
P	2/5/2017	1400	258.75	(0.12)	-197.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2017	1830	258.68	(0.07)	-197.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2017	0000	258.61	(0.07)	-197.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2017	1430	258.51	(0.10)	-197.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2017	1930	255.86	(2.65)	-194.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/1/2017	1010	254.63	(1.23)	-193.63	1	U.S. Geological Survey	Electric Line		
P	3/5/2017	2300	254.09	(0.54)	-193.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2017	1700	253.49	(0.60)	-192.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2017	0500	253.17	(0.32)	-192.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/20/2017	0000	256.13	2.96	-195.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/24/2017	1039	254.56	(1.57)	-193.56	1	U.S. Geological Survey	Electric Line		
P	3/25/2017	1900	253.64	(0.92)	-192.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2017	2100	252.54	(1.10)	-191.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2017	0300	252.05	(0.49)	-191.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2017	1830	251.77	(0.28)	-190.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2017	1830	251.57	(0.20)	-190.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2017	1700	251.35	(0.22)	-190.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2017	1830	251.04	(0.31)	-190.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2017	0000	251.14	0.10	-190.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2017	1700	251.12	(0.02)	-190.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2017	1830	250.99	(0.13)	-189.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2017	2200	250.83	(0.16)	-189.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2017	0230	250.71	(0.12)	-189.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2017	0530	250.63	(0.08)	-189.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2017	0000	250.76	0.13	-189.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	5/31/2017	0839	251.9	1.14	-190.9	1	U.S. Geological Survey	Electric Line	3	
P	6/5/2017	1730	251.53	(0.37)	-190.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2017	1930	251.59	0.06	-190.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2017	2130	251.47	(0.12)	-190.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/20/2017	1900	251.23	(0.24)	-190.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/22/2017	1236	250.13	(1.10)	-189.13	1	U.S. Geological Survey	Electric Line		
P	6/25/2017	2130	250.16	0.03	-189.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2017	1700	250.13	(0.03)	-189.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2017	1730	250.18	0.05	-189.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2017	2100	250.04	(0.14)	-189.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2017	2100	249.97	(0.07)	-188.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	7/19/2017	1103	249.95	(0.02)	-188.95	1	U.S. Geological Survey	Steel Tape	2	
P	7/20/2017	0300	249.88	(0.07)	-188.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2017	0000	249.85	(0.03)	-188.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2017	0000	249.83	(0.02)	-188.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2017	1900	249.99	0.16	-188.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2017	0530	250.06	0.07	-189.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2017	1730	249.92	(0.14)	-188.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/16/2017	1105	250.12	0.20	-189.12	1	U.S. Geological Survey	Electric Line	2	
P	8/20/2017	1830	250.01	(0.11)	-189.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2017	2130	249.96	(0.05)	-188.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2017	0300	249.74	(0.22)	-188.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2017	1800	249.78	0.04	-188.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2017	1700	249.73	(0.05)	-188.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2017	1700	249.65	(0.08)	-188.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/20/2017	1800	249.66	0.01	-188.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2017	1700	249.73	0.07	-188.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/26/2017	0946	249.8	0.07	-188.8	1	U.S. Geological Survey	Electric Line		
P	9/30/2017	1700	249.95	0.15	-188.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2017	1830	250.14	0.19	-189.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2017	0000	250.25	0.11	-189.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2017	0330	250.4	0.15	-189.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2017	1730	250.3	(0.10)	-189.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2017	1830	250.38	0.08	-189.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2017	1600	250.37	(0.01)	-189.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2017	1700	250.55	0.18	-189.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2017	2330	251.98	1.43	-190.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2017	1430	251.19	(0.79)	-190.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	11/17/2017	1006	251.17	(0.02)	-190.17	1	U.S. Geological Survey	Electric Line	2	
P	11/20/2017	1730	251.04	(0.13)	-190.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2017	0000	250.89	(0.15)	-189.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2017	1530	250.91	0.02	-189.91	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2017	0600	250.95	0.04	-189.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2017	0000	252.76	1.81	-191.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2017	0300	253.14	0.38	-192.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/20/2017	2130	252.19	(0.95)	-191.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2017	2330	251.45	(0.74)	-190.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	12/28/2017	1013	251.38	(0.07)	-190.38	1	U.S. Geological Survey	Electric Line	2	
P	12/30/2017	1500	251.06	(0.32)	-190.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2018	1400	250.94	(0.12)	-189.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2018	1730	250.52	(0.42)	-189.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2018	1700	250.51	(0.01)	-189.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2018	0000	251.55	1.04	-190.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2018	0000	252.39	0.84	-191.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2018	1700	252.59	0.20	-191.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2018	2130	252.58	(0.01)	-191.58	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2018	2330	251.82	(0.76)	-190.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2018	1430	250.56	(1.26)	-189.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2018	2230	250.79	0.23	-189.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2018	0330	251.67	0.88	-190.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/28/2018	1128	251.91	0.24	-190.91	1	U.S. Geological Survey	Electric Line		
P	3/5/2018	0500	252	0.09	-191	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2018	1430	252	0.00	-191	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2018	1830	252.09	0.09	-191.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2018	0000	252.08	(0.01)	-191.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/22/2018	1252	252.16	0.08	-191.16	1	U.S. Geological Survey	Steel Tape		

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P	3/25/2018	1530	251.92	(0.24)	-190.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2018	0530	251.98	0.06	-190.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2018	2330	250.4	(1.58)	-189.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2018	0000	250.74	0.34	-189.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2018	0400	251.45	0.71	-190.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/18/2018	1010	251.58	0.13	-190.58	1	U.S. Geological Survey	Electric Line		
P	4/20/2018	2230	251.64	0.06	-190.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2018	1630	251.59	(0.05)	-190.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2018	1900	251.7	0.11	-190.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2018	0030	251.8	0.10	-190.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2018	0000	251.13	(0.67)	-190.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2018	0600	251.63	0.50	-190.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2018	0000	251.83	0.20	-190.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	5/22/2018	1145	252.07	0.24	-191.07	1	U.S. Geological Survey	Electric Line	2	
P	5/25/2018	1800	252.12	0.05	-191.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2018	0000	252.27	0.15	-191.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2018	0000	252.41	0.14	-191.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2018	0000	252.55	0.14	-191.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2018	0000	252.64	0.09	-191.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2018	0000	252.76	0.12	-191.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	6/25/2018	0000	252.7	(0.06)	-191.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2018	0000	252.92	0.22	-191.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2018	0000	253.04	0.12	-192.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2018	0000	253.27	0.23	-192.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2018	0000	253.45	0.18	-192.45	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	7/19/2018	1112	253.69	0.24	-192.69	1	U.S. Geological Survey	Electric Line	3	
P	7/20/2018	0000	253.68	(0.01)	-192.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2018	0000	253.79	0.11	-192.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2018	0000	253.7	(0.09)	-192.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2018	0000	254.25	0.55	-193.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2018	0000	254.61	0.36	-193.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2018	0000	254.89	0.28	-193.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2018	0000	254.76	(0.13)	-193.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2018	0000	255.41	0.65	-194.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2018	0000	255.85	0.44	-194.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/31/2018	9500	255.88	0.03	-194.88	1	U.S. Geological Survey	Electric Line		
P	9/5/2018	0000	255.07	(0.81)	-194.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2018	0000	254.4	(0.67)	-193.4	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2018	0000	254.18	(0.22)	-193.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/19/2018	1045	254.2	0.02	-193.2	1	U.S. Geological Survey	Electric Line		
P	9/21/2018	8420	253.98	(0.22)	-192.98	1	U.S. Geological Survey	Electric Line		

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P	9/25/2018	0000	253.69	(0.29)	-192.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2018	0000	253.55	(0.14)	-192.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/5/2018	0000	253.44	(0.11)	-192.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2018	0000	253.36	(0.08)	-192.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2018	0000	253.37	0.01	-192.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/18/2018	1055	253.72	0.35	-192.72	1	U.S. Geological Survey	Electric Line		
P	10/20/2018	0000	253.51	(0.21)	-192.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2018	0000	253.22	(0.29)	-192.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2018	0000	253.16	(0.06)	-192.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2018	0000	254.93	1.77	-193.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2018	0000	255.55	0.62	-194.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2018	0000	255.65	0.10	-194.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2018	0000	255.69	0.04	-194.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	11/21/2018	8230	255.81	0.12	-194.81	1	U.S. Geological Survey	Electric Line	2	
P	11/25/2018	0000	253.96	(1.85)	-192.96	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2018	0000	253.03	(0.93)	-192.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2018	0000	252.89	(0.14)	-191.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2018	0000	252.57	(0.32)	-191.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2018	0000	252.22	(0.35)	-191.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/18/2018	1134	252.15	(0.07)	-191.15	1	U.S. Geological Survey	Electric Line		
P	12/20/2018	0000	251.84	(0.31)	-190.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	12/25/2018	0000	251.72	(0.12)	-190.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2018	0000	251.35	(0.37)	-190.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2019	0000	251.14	(0.21)	-190.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2019	0000	250.98	(0.16)	-189.98	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2019	0000	250.79	(0.19)	-189.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2019	0000	250.93	0.14	-189.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2019	0000	252.09	1.16	-191.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2019	0000	250.57	(1.52)	-189.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/31/2019	1025	251.48	0.91	-190.48	1	U.S. Geological Survey	Electric Line		
P	2/5/2019	0000	250.2	(1.28)	-189.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2019	0000	250.08	(0.12)	-189.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2019	0000	249.49	(0.59)	-188.49	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2019	0000	249.27	(0.22)	-188.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2019	0000	249.16	(0.11)	-188.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	2/27/2019	0659	250.51	1.35	-189.51	1	U.S. Geological Survey	Electric Line	9	
P	3/5/2019	0000	251.36	0.85	-190.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2019	0000	251.32	(0.04)	-190.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2019	0000	251.53	0.21	-190.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2019	0000	251.57	0.04	-190.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	3/21/2019	0335	251.66	0.09	-190.66	1	U.S. Geological Survey	Electric Line	9	
P	3/25/2019	0000	251.6	(0.06)	-190.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	3/30/2019	0000	251.54	(0.06)	-190.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2019	0000	251.73	0.19	-190.73	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2019	0000	251.66	(0.07)	-190.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2019	0000	251.82	0.16	-190.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/19/2019	0336	251.87	0.05	-190.87	1	U.S. Geological Survey	Electric Line		
P	4/20/2019	0000	251.77	(0.10)	-190.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2019	0000	251.71	(0.06)	-190.71	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2019	0000	251.88	0.17	-190.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2019	0000	251.63	(0.25)	-190.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2019	0000	250.53	(1.10)	-189.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2019	0000	249.64	(0.89)	-188.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2019	0000	251.13	1.49	-190.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2019	0000	251.53	0.40	-190.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	5/29/2019	0432	251.69	0.16	-190.69	1	U.S. Geological Survey	Electric Line	9	
P	5/30/2019	0000	251.67	(0.02)	-190.67	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2019	0000	251.85	0.18	-190.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2019	0000	252.16	0.31	-191.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2019	0000	252.27	0.11	-191.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2019	0000	252.41	0.14	-191.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2019	0000	252.63	0.22	-191.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	6/28/2019	0227	252.95	0.32	-191.95	1	U.S. Geological Survey	Electric Line	9	

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/30/2019	0000	252.87	(0.08)	-191.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2019	0000	252.95	0.08	-191.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2019	0000	252.57	(0.38)	-191.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2019	0000	252.94	0.37	-191.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2019	0000	253.2	0.26	-192.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/25/2019	0000	253.36	0.16	-192.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2019	0000	253.51	0.15	-192.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2019	0000	253.72	0.21	-192.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2019	0000	253.92	0.20	-192.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2019	0000	254.06	0.14	-193.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2019	0000	254.24	0.18	-193.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
Q	8/22/2019	0358	254.32	0.08	-193.32	1	U.S. Geological Survey	Electric Line	9	
P	8/25/2019	0000	254.3	(0.02)	-193.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2019	0000	253.33	(0.97)	-192.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2019	0000	252.52	(0.81)	-191.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2019	0000	253.92	1.40	-192.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2019	0000	254.31	0.39	-193.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2019	0000	254.43	0.12	-193.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2019	0000	254.55	0.12	-193.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2019	0000	254.74	0.19	-193.74	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Q	10/2/2019	0411	254.68	(0.06)	-193.68	1	U.S. Geological Survey	Electric Line	9	
P	10/5/2019	0000	254.77	0.09	-193.77	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2019	0000	254.87	0.10	-193.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2019	0000	255	0.13	-194	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2019	0000	255.05	0.05	-194.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2019	0000	255.12	0.07	-194.12	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2019	0000	253.36	(1.76)	-192.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/4/2019	0640	254.41	1.05	-193.41	1	U.S. Geological Survey	Steel Tape		
P	11/5/2019	0000	254.53	0.12	-193.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2019	0000	254.76	0.23	-193.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2019	0000	254.92	0.16	-193.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2019	0000	254.78	(0.14)	-193.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2019	0000	254.65	(0.13)	-193.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/26/2019	0555	254.66	0.01	-193.66	1	U.S. Geological Survey	Electric Line		
P	11/30/2019	0000	254.75	0.09	-193.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2019	0000	254.69	(0.06)	-193.69	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2019	0000	254.61	(0.08)	-193.61	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2019	0000	254.48	(0.13)	-193.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2019	0000	254.62	0.14	-193.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2019	0000	254.46	(0.16)	-193.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/27/2019	0730	254.25	(0.21)	-193.25	1	U.S. Geological Survey	Electric Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/30/2019	0000	254.5	0.25	-193.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2020	0000	252.42	(2.08)	-191.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/10/2020	0000	251.68	(0.74)	-190.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2020	0000	251.41	(0.27)	-190.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2020	0000	251.3	(0.11)	-190.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2020	0000	250.8	(0.50)	-189.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/29/2020	0950	250.42	(0.38)	-189.42	1	U.S. Geological Survey	Electric Line		
P	1/30/2020	0000	250.51	0.09	-189.51	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2020	0000	250.03	(0.48)	-189.03	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2020	0000	249.86	(0.17)	-188.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2020	0000	249.76	(0.10)	-188.76	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2020	0000	251.53	1.77	-190.53	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2020	0000	251.63	0.10	-190.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/4/2020	0320	251.68	0.05	-190.68	1	U.S. Geological Survey	Electric Line		
P	3/5/2020	0000	251.81	0.13	-190.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2020	0000	249.78	(2.03)	-188.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2020	0000	249.32	(0.46)	-188.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2020	0000	249.06	(0.26)	-188.06	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2020	0000	248.7	(0.36)	-187.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2020	0000	248.52	(0.18)	-187.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/5/2020	0000	248.38	(0.14)	-187.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/7/2020	0411	248.43	0.05	-187.43	1	U.S. Geological Survey	Electric Line		
P	4/10/2020	0000	248.09	(0.34)	-187.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2020	0000	249.34	1.25	-188.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/20/2020	0000	247.88	(1.46)	-186.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2020	0000	247.59	(0.29)	-186.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2020	0000	247.38	(0.21)	-186.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/1/2020	0501	247.4	0.02	-186.4	1	U.S. Geological Survey	Electric Line		
P	5/5/2020	0000	247.78	0.38	-186.78	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2020	0000	249.11	1.33	-188.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2020	0000	247.83	(1.28)	-186.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2020	0000	249.24	1.41	-188.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2020	0000	248.54	(0.70)	-187.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/29/2020	0356	247.61	(0.93)	-186.61	1	U.S. Geological Survey	Electric Line		
P	5/30/2020	0000	248.25	0.64	-187.25	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2020	0000	249.28	1.03	-188.28	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2020	0000	249.36	0.08	-188.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2020	0000	249.39	0.03	-188.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2020	0000	249.35	(0.04)	-188.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/24/2020	0337	249.28	(0.07)	-188.28	1	U.S. Geological Survey	Electric Line		
P	6/25/2020	0000	248.56	(0.72)	-187.56	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/30/2020	0000	247.35	(1.21)	-186.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2020	0000	246.89	(0.46)	-185.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2020	0000	246.75	(0.14)	-185.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2020	0000	248.6	1.85	-187.6	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2020	0000	248.94	0.34	-187.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/23/2020	0346	247.62	(1.32)	-186.62	1	U.S. Geological Survey	Electric Line		
P	7/25/2020	0000	247.13	(0.49)	-186.13	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2020	0000	246.75	(0.38)	-185.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2020	0000	246.44	(0.31)	-185.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2020	0000	246.42	(0.02)	-185.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2020	0000	248.27	1.85	-187.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2020	0000	248.86	0.59	-187.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2020	0000	249.24	0.38	-188.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2020	0000	249.59	0.35	-188.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2020	0000	250.05	0.46	-189.05	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2020	0000	250.17	0.12	-189.17	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2020	0000	250.27	0.10	-189.27	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2020	0000	250.43	0.16	-189.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/25/2020	0000	248.82	(1.61)	-187.82	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2020	0000	248.48	(0.34)	-187.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		

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P	10/5/2020	0000	248.08	(0.40)	-187.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/10/2020	0000	247.86	(0.22)	-186.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/15/2020	0000	247.86	0.00	-186.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/20/2020	0000	247.8	(0.06)	-186.8	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/25/2020	0000	247.99	0.19	-186.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	10/30/2020	0000	249.55	1.56	-188.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/5/2020	0000	250.02	0.47	-189.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/10/2020	0000	250.02	0.00	-189.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/15/2020	0000	250.24	0.22	-189.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/20/2020	0000	250.47	0.23	-189.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/25/2020	0000	250.43	(0.04)	-189.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	11/30/2020	0000	250.68	0.25	-189.68	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/5/2020	0000	250.63	(0.05)	-189.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/10/2020	0000	250.55	(0.08)	-189.55	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/15/2020	0000	250.34	(0.21)	-189.34	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/20/2020	0000	250.48	0.14	-189.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/25/2020	0000	250.57	0.09	-189.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	12/30/2020	0000	250.3	(0.27)	-189.3	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/5/2021	0	250.31	0.01	-189.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/10/2021	0	250.21	(0.10)	-189.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/2021	0	250.22	0.01	-189.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/20/2021	0	250.31	0.09	-189.31	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/25/2021	0	250.08	(0.23)	-189.08	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/30/2021	0	250.15	0.07	-189.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/5/2021	0	250.52	0.37	-189.52	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/10/2021	0	250.18	(0.34)	-189.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/15/2021	0	249.72	(0.46)	-188.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/20/2021	0	249.65	(0.07)	-188.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	2/25/2021	0	248.41	(1.24)	-187.41	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/5/2021	0	248.46	0.05	-187.46	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/10/2021	0	249.72	1.26	-188.72	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/15/2021	0	249.89	0.17	-188.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/20/2021	0	250.24	0.35	-189.24	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/25/2021	0	250	(0.24)	-189	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	3/30/2021	0	250.14	0.14	-189.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/5/2021	0	250.18	0.04	-189.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/10/2021	0	250.07	(0.11)	-189.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/15/2021	0	250.22	0.15	-189.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/20/2021	0	250.35	0.13	-189.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/25/2021	0	250.42	0.07	-189.42	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	4/30/2021	0	250.5	0.08	-189.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/5/2021	0	248.5	(2.00)	-187.5	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/10/2021	0	248.04	(0.46)	-187.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/15/2021	0	247.89	(0.15)	-186.89	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/20/2021	0	247.57	(0.32)	-186.57	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/25/2021	0	247.39	(0.18)	-186.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	5/30/2021	0	248.92	1.53	-187.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/5/2021	0	249.39	0.47	-188.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/10/2021	0	249.54	0.15	-188.54	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/15/2021	0	249.65	0.11	-188.65	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/20/2021	0	249.64	(0.01)	-188.64	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/25/2021	0	249.75	0.11	-188.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	6/30/2021	0	249.88	0.13	-188.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/5/2021	0	249.87	(0.01)	-188.87	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/10/2021	0	249.85	(0.02)	-188.85	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/15/2021	0	249.88	0.03	-188.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/20/2021	0	249.81	(0.07)	-188.81	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/25/2021	0	249.86	0.05	-188.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	7/30/2021	0	249.86	0.00	-188.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/1/2021	0	249.83	(0.03)	-188.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/2/2021	0	249.84	0.01	-188.84	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/3/2021	0	249.86	0.02	-188.86	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/4/2021	0	249.93	0.07	-188.93	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/5/2021	0	249.99	0.06	-188.99	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/6/2021	0	250.01	0.02	-189.01	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/7/2021	0	250.02	0.01	-189.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/8/2021	0	250.04	0.02	-189.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/9/2021	0	250.09	0.05	-189.09	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/10/2021	0	250.14	0.05	-189.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/11/2021	0	250.14	0.00	-189.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/12/2021	0	250.16	0.02	-189.16	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/13/2021	0	250.19	0.03	-189.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/14/2021	0	250.21	0.02	-189.21	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/15/2021	0	250.15	(0.06)	-189.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/16/2021	0	249.92	(0.23)	-188.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/17/2021	0	250.14	0.22	-189.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/18/2021	0	250.19	0.05	-189.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/19/2021	0	250.29	0.10	-189.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/20/2021	0	250.29	0.00	-189.29	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/21/2021	0	250.32	0.03	-189.32	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/22/2021	0	250.38	0.06	-189.38	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/23/2021	0	250.35	(0.03)	-189.35	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/24/2021	0	250.33	(0.02)	-189.33	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/25/2021	0	250.36	0.03	-189.36	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/26/2021	0	250.37	0.01	-189.37	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/27/2021	0	250.39	0.02	-189.39	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/28/2021	0	250.44	0.05	-189.44	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/29/2021	0	250.43	(0.01)	-189.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/30/2021	0	250.43	0.00	-189.43	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	8/31/2021	0	250.47	0.04	-189.47	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/1/2021	0	250.48	0.01	-189.48	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/2/2021	0	250.59	0.11	-189.59	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/3/2021	0	250.62	0.03	-189.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/4/2021	0	250.62	0.00	-189.62	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/5/2021	0	250.63	0.01	-189.63	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/6/2021	0	250.66	0.03	-189.66	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/7/2021	0	250.7	0.04	-189.7	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/8/2021	0	250.75	0.05	-189.75	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/9/2021	0	250.83	0.08	-189.83	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/10/2021	0	250.9	0.07	-189.9	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/11/2021	0	250.94	0.04	-189.94	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/12/2021	0	250.97	0.03	-189.97	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/13/2021	0	250.92	(0.05)	-189.92	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/14/2021	0	250.79	(0.13)	-189.79	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/15/2021	0	250.88	0.09	-189.88	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/16/2021	0	250.95	0.07	-189.95	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/17/2021	0	251.02	0.07	-190.02	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/18/2021	0	251.04	0.02	-190.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/19/2021	0	251.04	0.00	-190.04	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/20/2021	0	251.07	0.03	-190.07	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/21/2021	0	251.11	0.04	-190.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/22/2021	0	251.19	0.08	-190.19	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/23/2021	0	251.18	(0.01)	-190.18	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/24/2021	0	251.22	0.04	-190.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-230

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/25/2021	0	251.23	0.01	-190.23	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/26/2021	0	251.22	(0.01)	-190.22	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/27/2021	0	251.2	(0.02)	-190.2	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/28/2021	0	251.14	(0.06)	-190.14	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/29/2021	0	251.11	(0.03)	-190.11	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	9/30/2021	0	251.15	0.04	-190.15	1	U.S. Geological Survey	Recorder (Float or Transducer)		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
3	Well or wells pumping nearby
9	measurement affected by atmospheric pressure

Water Quality Analysis

Sample Date: 3/5/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		380	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		880	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-231

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521231
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.720833
Latitude (degrees minutes seconds)	29° 43' 15" N
Longitude (decimal degrees)	-95.440834
Longitude (degrees minutes seconds)	095° 26' 27" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	58
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1360
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1980
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of West Univ. Place
Driller	Layne Western
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	6/2/1999
Last Update Date	6/2/1999

Remarks	Owner's well #7. Reported yield 1560 gpm with 47 ft drawdown.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

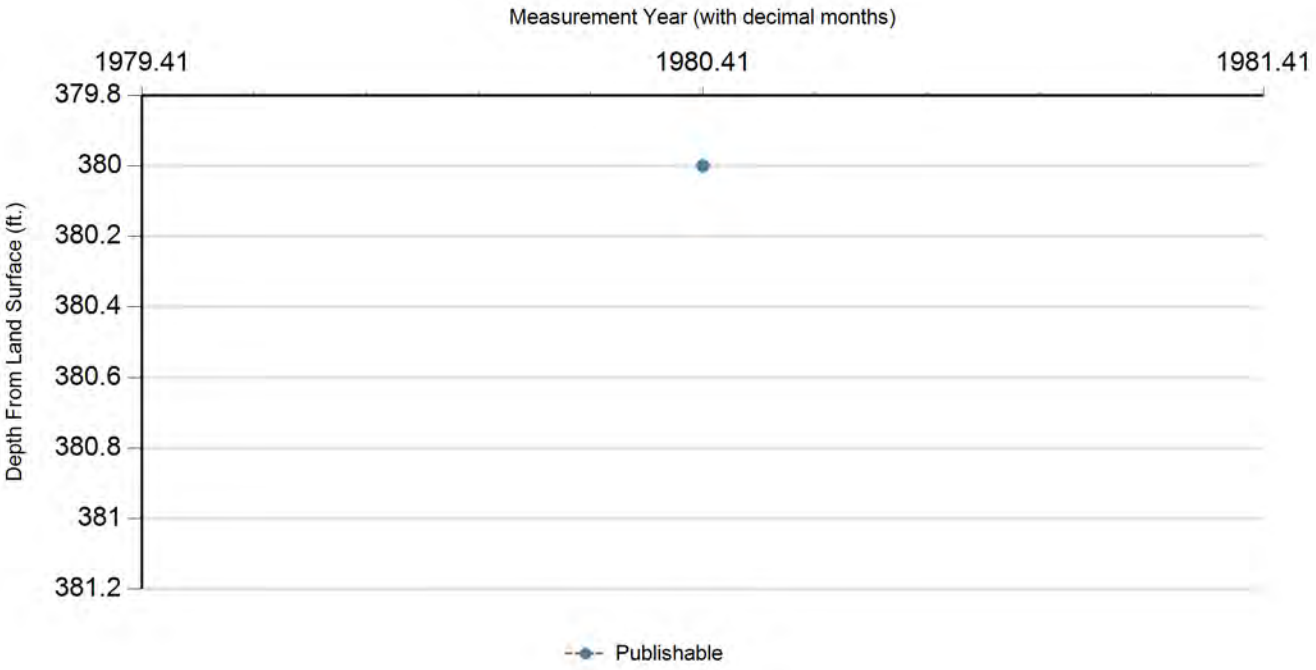
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-231

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/0/1980		380		-322	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-232

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521232
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.715834
Latitude (degrees minutes seconds)	29° 42' 57" N
Longitude (decimal degrees)	-95.438056
Longitude (degrees minutes seconds)	095° 26' 17" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	55
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1250
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	9/30/1982
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of West University Place
Driller	Alsay Texas
Other Data Available	Drillers Log; Electric Log; Radioactive Tracer
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	6/2/1999
Last Update Date	6/2/1999

Remarks	Owner's well #8. Reported yield 1905 gpm with 45.20 ft drawdown.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

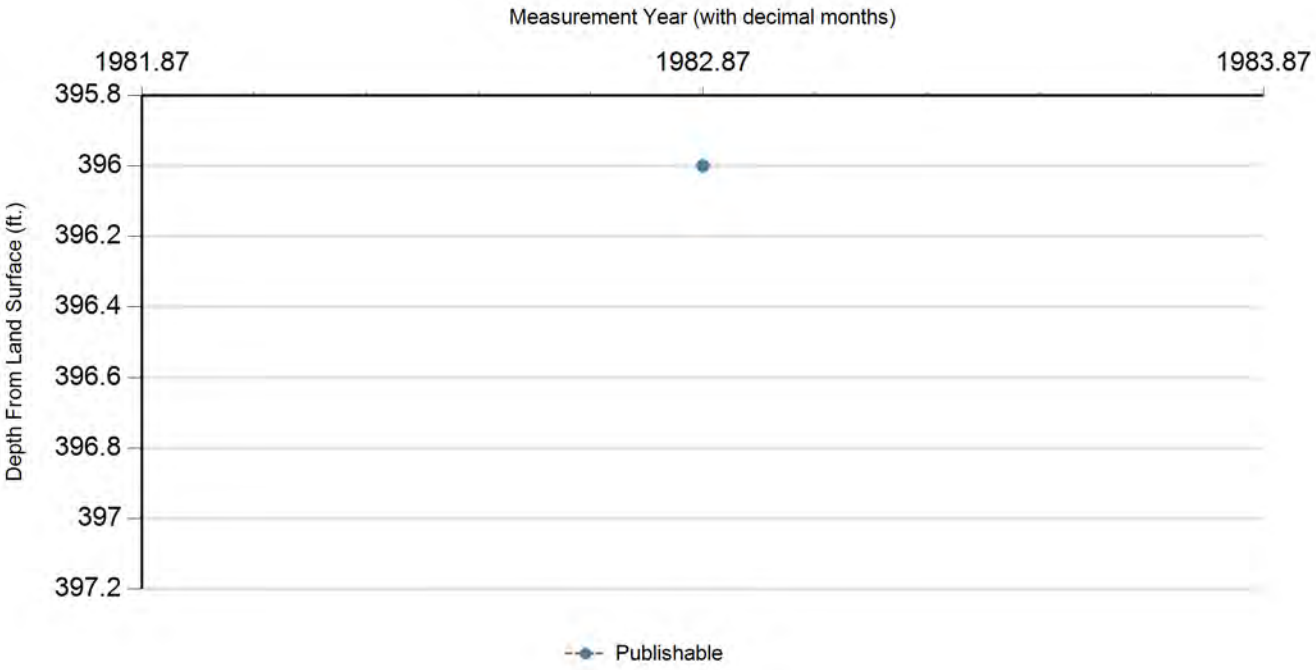
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-232

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/17/1982		396		-341	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well No. 65 21 233 Previous Well No. County Harris 201

River Basin San Jacinto 10 Zone 1 Lat. 29 43 41 Long. 095 25 20 Source of Coord. 1

Owner's Well No. 9 Location ____ 1/4, ____ 1/4, Section ____, Block ____, Survey ____

Owner CITY OF WEST UNIVER-SITY PLACE

Driller LAYNE TEXAS CO.

Address ____ Tenant/Oper. ____

Date Drilled 07 25 1984 Depth 1400 Source of Depth Datum D Altitude 57 Source of Alt. Datum M

Aquifer EVANGELINE 121EVGL Well Type ____ User 937600

TNRCC = 1010027

Well Construction: Const. Method Mud Rotary H; Casing Material Steel S

Completion GP-UR-Screen G; Screen Material Stainless R

Lift Data: Pump Mfr. ____ Type Turbine T No. Stages ____

Bowls Diam. ____ in. Setting 487 ft. Column Diam. ____ in.

Motor Mfr. ____ Fuel or Power Electric E Horsepower ____

Yield: Flow ____ GPM Pump ____ GPM Meas.,Repr.,Est. ____ Date ____

Performance Test: Date 2/85 Length of Test 12 hr Production 1535 GPM

Static Level ____ ft. Pumping Level ____ ft. Drawdown 83 ft. Sp.Cap. 18.5 GPM/ft.

Quality (Remarks ____

Water Use: Primary Public Supply P Secondary ____ Tertiary ____

Other Data Available: Water Level M Water Quality Y Logs D I E Other Data ____

Water Levels:
Date 02 21 1985 Meas. 371 driller
Date ____ Meas. ____
Date ____ Meas. ____

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S)
Open Hole (O)
Cemented from 0 to 800

		Diam. (in.)	From	To
1	C	20	0	800
2	C	14	700	809
3	S	12	810	830
4	S	12	860	870
5	S	12	880	895
6	S	12	942	962
7	S	12	975	1005
8	S	12	1035	1050
9	S	12	1070	1100
10	S	12	1175	1215
11	S	12	1255	1275
12	S	12	1298	1308
13	S	12	1315	1340
14	S	12	1350	1380
15	C	12	1380	1400
16				

Recorded By Nordstrom Date Record Collected or Updated ____ (20 max) Reporting Agency 02

Remarks: Well #9.

Aquifer Evangeline

Well No. 65-21-233

93-0384
2/9/93

Please use black ink.
Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER City of West University Place c/o Langford Engr (Name) Address 1400 W. Reed Dr. No. Suite 1A (Street or RFD) Houston (City) TX (State) 77043 (Zip)

2) LOCATION OF WELL:
County Harris miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☒ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
Well #9
Date drilled 7/25/84

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
24	Surface	40
30	40	1400 TD

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☒ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 40 ft. to 1400 TD ft.

From (ft.)	To (ft.)	Description and color of formation material
		See attached Welllog
		Chem Analysis
		E-log
		12" N SSWW Bonding Screen 640-645 .035
		942-962 "
		975 1005 "
		1035 1050 "
		1070 1100 "
		1175 1215 "
		1215 1275 "
		1294 1304 "
		1315 1340 "
		1350 1380 "

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
20	N	Blank Steel Csg	+4	40	
14	N	Blank Steel Liner	700	809	
		14 x 12 Swage	810		
12	N	SSWW Bonding Screen	640	730	.035
"	"	"	760	970	"

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from Surf ft. to 40 ft.
_____ ft. to _____ ft.
Method used Halliburton
Cemented by Halliburton

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 371 ft. below land surface Date 2/21/85
Artesian flow _____ gpm. Date _____

12) PACKERS: Type None Depth

13) TYPE PUMP:
☒ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 427 ft.

14) WELL TESTS:
Type Test: ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 1535 gpm with 83' ft. drawdown after 6 hrs.

RECEIVED
SEP 11 1985

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any streta which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Layne Texas Co (Type or Print) Water Well Driller's License No. 2A

ADDRESS P.O. Box 924 5565 (Box No. or RFD) Hou Co (City) TX (State) 7726 (Zip)

(Signed) _____ (Licensed Water Well Driller) (Signed) Layne Texas Co Dup (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65-21-2H
Located on map Yes DLF

65-21-233

2202

DEPARTMENT OF WATER RESOURCES COPY

WR-0392 (12/29/83)

X

LAYNE TEXAS COMPANY,
HOUSTON -:- DALLAS

S. O. 2202-2339
PAGE 1 of 2
FILE NO. 4143
DATE 7-25-84

WELL LOG

CUSTOMER LOCATION

FOR City of West University Place

LOCATION WELL ~~Wakefield~~ Wake Forest & Milford Sts.

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS

WELL DATA

NAME WELL WELL NO. 9

ELEVATION DATUM

RT C GR

TEST HOLE SIZE 9 7/8" TD 1397'

DATE STARTED DRILLING 7/18/84

DATE FINISHED DRILLING 7/25/84

DRILLER H. Thompson RIG NO. 7

TYPE MUD Gel NO. SACKS 27

ELECTRIC LOG Yes TYPE GO

SURVEY Eastman TYPE Singleshot

OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES		
			DEPTH	TYPE	NUMBER
0		Surface			
3	3	Fill and top soil			
4	1	Clay			
8	4	Sandy clay, sand stks.			
14	6	Sand, clay stks.			
19	5	Clay, sand stks.			
22	3	Sand			
28	6	Clay			
30	2	Sandy clay			
60	30	Clay			
102	42	Clay, sandy clay stks.			
133	31	Clay			
187	54	Clay, sandy clay stks.			
190	3	Sand, sandy clay			
210	20	Clay, lime stks.			
219	9	Clay, sandy clay			
233	14	Clay, lime stks.			
240	7	Sand, clay stks.			
297	57	Sand, lime and clay stks.			
303	6	Clay, lime stks.			
322	19	Clay, sandy stks.			
338	16	Sandy clay, lime stks.			
385	47	Sand, gravel stks.			
438	53	Clay			
441	3	Sand			
451	10	Clay, sandy clay			
486	35	Clay, sandy clay stks.			
495	9	Sand, lime stks.			
498	3	Sandy clay			
520	22	Sand			
540	20	Clay			
560	20	Sand			
575	15	Clay			
581	6	Sand, gravel			
585	4	Lime, sand stks.			
608	23	Lime, sand, clay			
610	2	Clay, lime			
632	22	Sand, lime, clay			
650	18	Clay, sandy clay, lime			
674	24	Sand			

LAYNE TEXAS COMPANY,
HOUSTON -:- DALLAS

S. O. 1202-2559
PAGE 2 of 2
FILE NO. 4143
DATE 7-25-84

WELL LOG

CUSTOMER LOCATION

FOR City of West University Place

LOCATION WELL ~~Wakefield~~ Wake Forest & Milford Sts.

SURVEY FIELD

COUNTY STATE

OTHER LAND MARKS

WELL DATA

NAME WELL WELL NO.

ELEVATION DATUM

RT C GR

TEST HOLE SIZE TD

DATE STARTED DRILLING

DATE FINISHED DRILLING

DRILLER RIG NO.

TYPE MUD NO. SACKS

ELECTRIC LOG TYPE

SURVEY TYPE

OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES		
			DEPTH	TYPE	NUMBER
749	75	Lime, sandy clay, sand			
771	22	Clay, lime stks.			
796	25	Clay, sandy clay, lime stks.			
806	10	Sand, clay stks.			
815	9	Clay, lime stks.			
839	24	Sand, clay, lime stks.			
840	1	Hark lime			
844	4	Sand. lime stks.			
861	17	Clay, lime stks.			
869	8	Clay, sandy clay			
880	11	Sand, clay, lime stks.			
891	11	Clay, sandy clay			
900	9	Sand, clay stks.			
921	21	Clay, sandy clay			
926	5	Sandy clay, clay stks.			
941	15	Sand, clay stks.			
956	15	Clay, sandy clay			
976	20	Sand			
978	2	Clay			
984	6	Clay, sandy clay, sand stks.			
1002	18	Sand, clay stks.			
1013	11	Sand			
1016	3	Clay, lime stks.			
1049	33	Clay			
1061	12	Sand, lime stks.			
1077	16	Clay			
1081	4	Clay, sandy clay			
1106	25	Sand			
1185	79	Clay			
1228	43	Sand, lime stks.			
1242	14	Sandy clay, lime stks.			
1262	20	Clay, few sand stks.			
1267	5	Sandy clay, sand stks.			
1285	18	Sand, clay stks., lime			
1321	36	Clay			
1331	10	Sandy clay, sand stks.			
1350	19	Sand, lime, clay			
1360	10	Clay			
1390	30	Sand, clay stks.			
1397	7	Clay, sandy clay			

EDNA WOOD LABORATORIES, INC.

WATER TECHNOLOGISTS · · CHEMISTS · · MICROBIOLOGISTS

28 February 1985

To: Layne Texas Company
P. O. Box 9469
Houston, Texas 77261

SO #1102-2559

Sample marked: Well No. 9 - Sample #1, City of W. U. - Harris County, Texas.
Taken after 12 hrs pumping at 1,535 gpm - turbine pump.
Pumping level: 380.57 - Screened: 810' - 1380'. Temp. 80°F
Appearance: Clear, no sand By: H. Thompson.

Received: 2-26-85

WATER ANALYSIS
results in parts per million (mg/l) except as noted

Dissolved Residue at 350° C		273	Conductance, micromhos/cm, 25°C		470
Total Dissolved Solids, actual†		396	Color, units		0
Total Dissolved Solids, calc.		403	Turbidity, units		0.23
Silica	SiO_2	21	As Calcium Carbonate, $CaCo_3$:		
Calcium	Ca	30	Phenolphthalein Alkalinity		0
Magnesium	Mg	5	Total Alkalinity		198
Sodium (diff.) Na + K as	Na	69	Total Hardness		96
Carbonate	CO_3	0	Free Carbon Dioxide	CO_2	5.6
Bicarbonate	HCO_3	242	pH . . . 7.82 at 20.5°C		
Sulfate	SO_4	6	HYPOTHETICAL COMBINATIONS		
Chloride	Cl	30			
Total Fluoride	F	0.4			
Total Nitrate	NO_3	< 0.4			
Total Manganese*	Mn	0.01			
Total Iron*	Fe	0.04			
Iron, filtered sample	Fe	-			

*By Atomic Absorption.

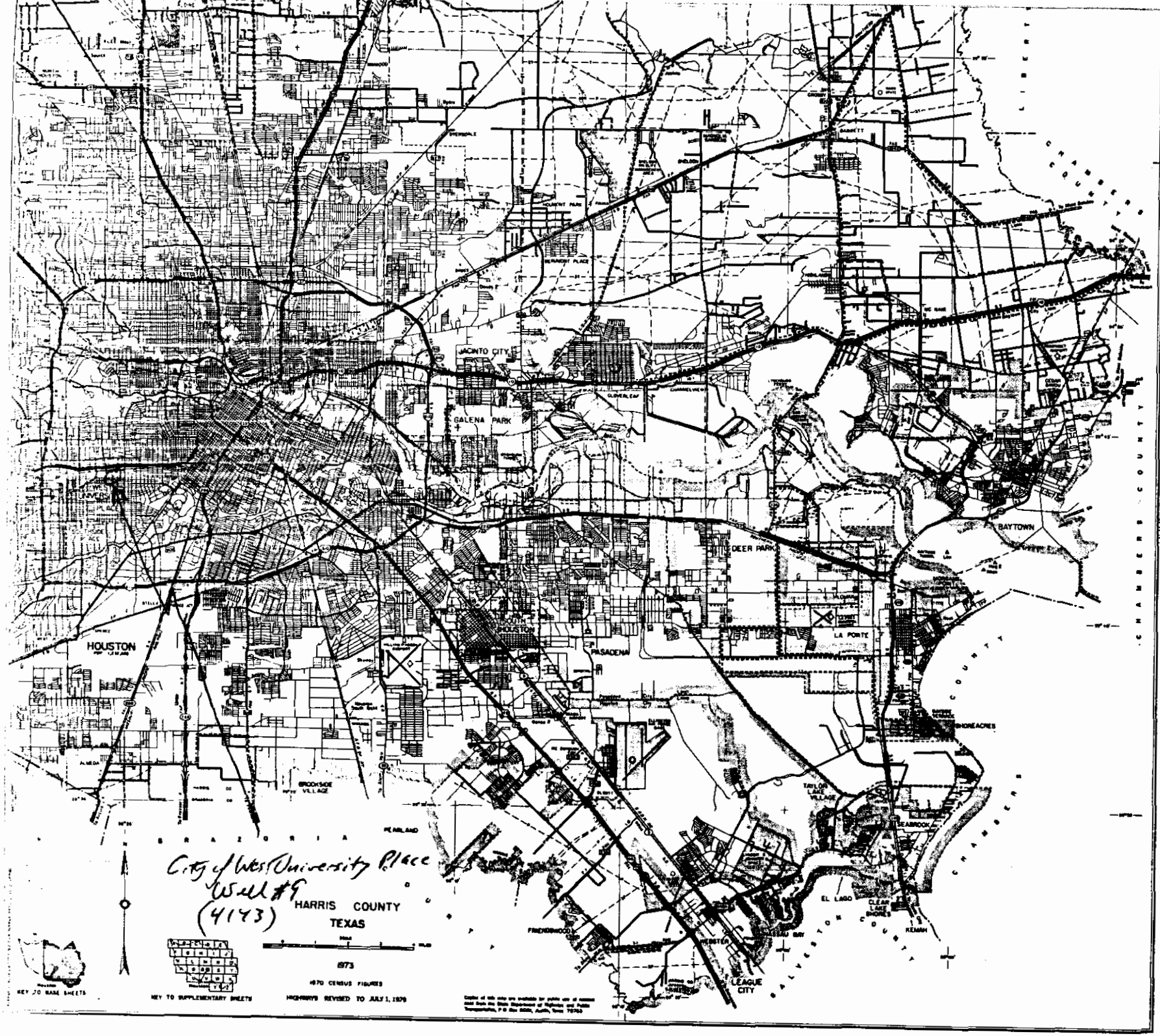
†Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

EDNA WOOD LABORATORIES, INC.

By: Alice Perry
Alice Perry, Supervising Chemist

3184
slp

65 21 233


HOUSTON
JACINTO CITY
GALENA PARK
DEER PARK
BAYTOWN
LA PORTE
PASADENA
SOUTH HOUSTON
BROOKSIDE VILLAGE
PEARLAND
BRAZORIA
SHOREACRES
TAYLOR LAKE VILLAGE
SEABROOK
EL LAGO
CLEAR LAKE SHORES
KEMAH
FRIENDSWOOD
WEBSTER
LEAGUE CITY
CHAMBERS COUNTY
2206
City of West University Place
Well #9
(4143)
HARRIS COUNTY
TEXAS
1973
1970 CENSUS FIGURES
HIGHWAYS REVISED TO JULY 1, 1970
KEY TO BASE SHEETS
KEY TO SUPPLEMENTARY SHEETS

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-233

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521233
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.728333
Latitude (degrees minutes seconds)	29° 43' 42" N
Longitude (decimal degrees)	-95.4225
Longitude (degrees minutes seconds)	095° 25' 21" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	57
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1400
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	7/25/1984
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of West Univer- sity PlaceWell #9
Driller	Layne Texas Co.
Other Data Available	Drillers Log; Electric Log; Induction
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/4/1997
Last Update Date	9/4/1997

Remarks	Well #9. Cemented to 800 ft. Test: 1535 gpm with 83 ft drawdown after pumping 12 hours.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
20	Blank	Steel			0	800
14	Blank	Steel			700	809
12	Screen	Stainless Steel			810	830
12	Screen	Stainless Steel			860	870
12	Screen	Stainless Steel			880	895
12	Screen	Stainless Steel			942	962
12	Screen	Stainless Steel			975	1005
12	Screen	Stainless Steel			1035	1050
12	Screen	Stainless Steel			1070	1100
12	Screen	Stainless Steel			1175	1215
12	Screen	Stainless Steel			1255	1275
12	Screen	Stainless Steel			1298	1308
12	Screen	Stainless Steel			1315	1340
12	Screen	Stainless Steel			1350	1380
12	Blank	Steel			1380	1400

Well Tests - No Data

Lithology - No Data

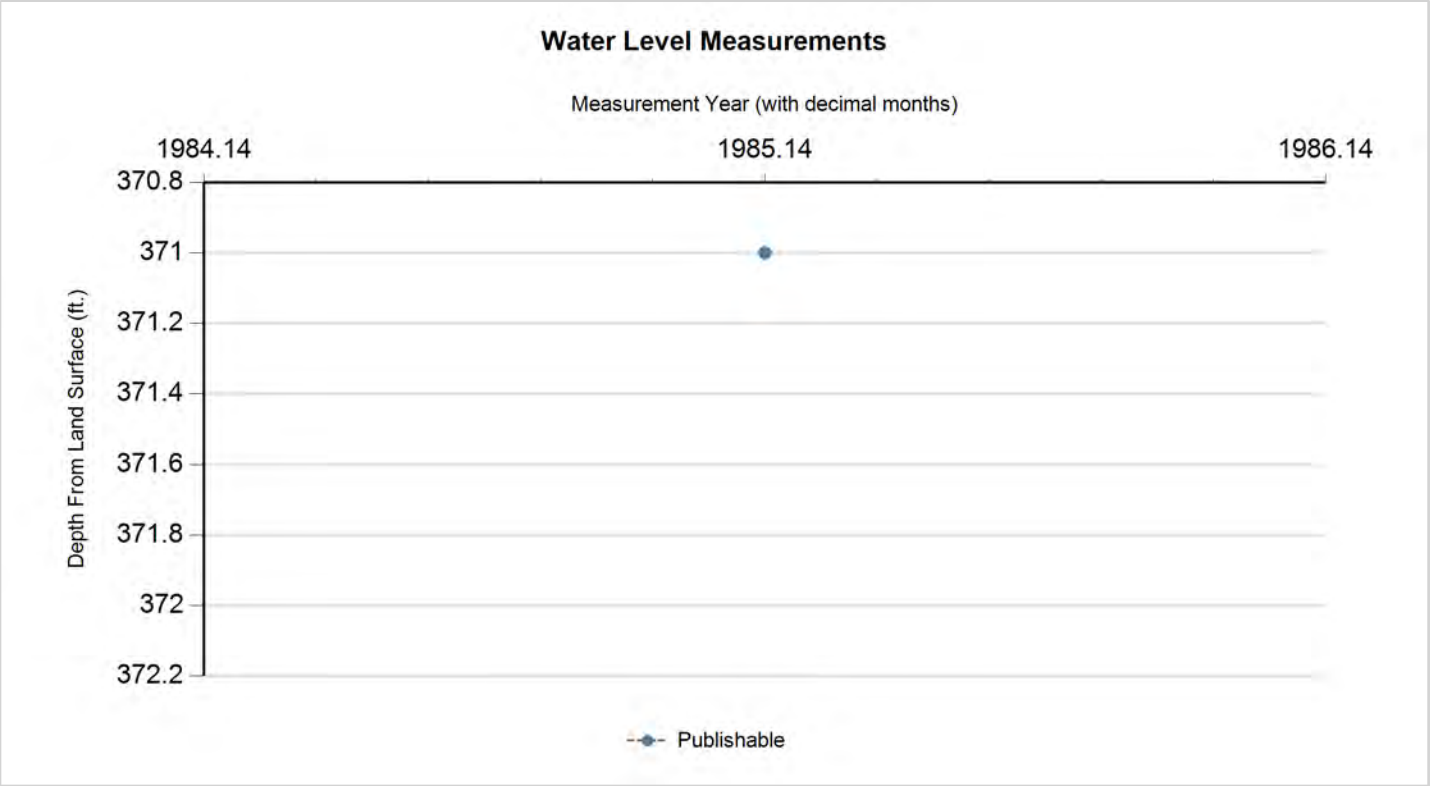
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/21/1985		371		-314	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-233

Water Quality Analysis

Sample Date: 2/26/1985 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Registered Water Well Driller

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: Edna Wood Lab **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		198	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		241.63	mg/L	
00910	CALCIUM (MG/L)		30	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		95	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		40	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		10	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.82	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.05		
00955	SILICA, DISSOLVED (MG/L AS SI02)		21	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.07		
00932	SODIUM, CALCULATED, PERCENT		61	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)	calculated	69	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		470	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		280	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-301

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. BROWN)

Record by W.L. NAFTEL (10-11-61) Source of data FILES Date 2-21-68 Map 1:24000 Bellaire 1955

State TEXAS 48 County (or town) Harris LJ

Latitude: 29 43 01 N Longitude: 095 23 43 Sequential number: 1

Lat-long accuracy: 4 T. ____ S, R ____ W, Sec ____, ____, ____, ____

Local well number: LJ-65-21-301 Other number: B & H SOUTH END # 7

Local use: ____ Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, Ind, (P) S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Dessl-P B, (Y) Dessl-other, (Z) Other abd. 1965 U

Use of well: (A) Anode, (D) Drain, (C) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (D) Destroyed U Plugged

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1944 – Semiannual 5 Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 3-4-47 A to 1964 Pumpage inventory: yes no, period: ____

Aperture cards: ____ yes

Log data: E-LOG AA-22 To 2501' D-LOG E D

WELL-DESCRIPTION CARD Completed to 1932 plugged back to 1750.

SAME AS ON MASTER CARD Depth well: 1750 ft 1750 Meas. Driller accuracy 3

Depth cased: (first perf.) 1365 ft 1365 Casing type: S ; Diam. 24-12¾ in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other ____ G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (X) other ____ H

Date Drilled: 4-22-44 1944 Pump intake setting: ____ ft

Driller: LAYNE-TEXAS Co. (name), HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (X) other T Deep/Shallow D

Power (type): diesel, elec, nat gas, LP gasoline, hand, gas, wind; H.P. None ____ Trans. or meter no. ____

Descrip. MP ____ ft above/below LSD. Alt. MP ____

Alt. LSD: 49 49 Accuracy: (source) 5' TOPO 3

Water Level 145 ft above/below MP; Ft above/below LSD 145 Accuracy: REPT. D

Date meas: 4-22-44 P.L.255 44 Yield: 2253 gpm 2253 Method determined 4

Drawdown: 110 ft 110 Accuracy: WD REPT. 3 Pumping period 96 hrs 96

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-21-301

Well No. LJ-65-21-301

Latitude-longitude 29 43 01 N S 095 23 43
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS 0 3 (20–21) Section:

F (22) Drainage Basin: 5 1 R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31)

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: 234 ft 2 3 4 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened:

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: ✓ gpd/ft (73–75) Coefficient Storage: (76–78)

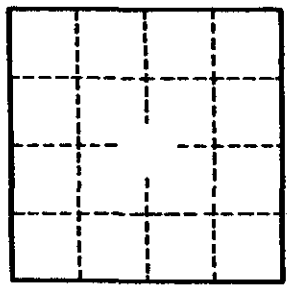
Coefficient Perm: ✓ gpd/ft^2; Spec cap: ✓ gpm/ft; Number of geologic cards: (79)

SCREENS:

1365 60 – 1425
1440 20 – 1460
1480 30 – 1510
1545 35 – 1580
1596 38 – 1645
1695 40 – 1735
1882 – 1932 *
BOTTOM 1932

CSG

0-630 = 24"
499-1750 = 12 3/4"



* LAYNE-TEXAS MATERIAL SETTING SHEET SAID THIS WELL WAS PLUGGED BACK TO 1750'(?) SEE SHEET IN FILES

Well No. LJ-65-21-301

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-301

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521301
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.717222
Latitude (degrees minutes seconds)	29° 43' 02" N
Longitude (decimal degrees)	-95.395556
Longitude (degrees minutes seconds)	095° 23' 44" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1750
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1944
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #7
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	2/4/1999
Last Update Date	2/4/1999

Remarks	234 ft of screen between 1365 and 1735 ft. Reported yield 2253 gpm with 110 ft drawdown when drilled. Test hole drilled to 2508 ft. Plugged back to 1750 ft. Well 7.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

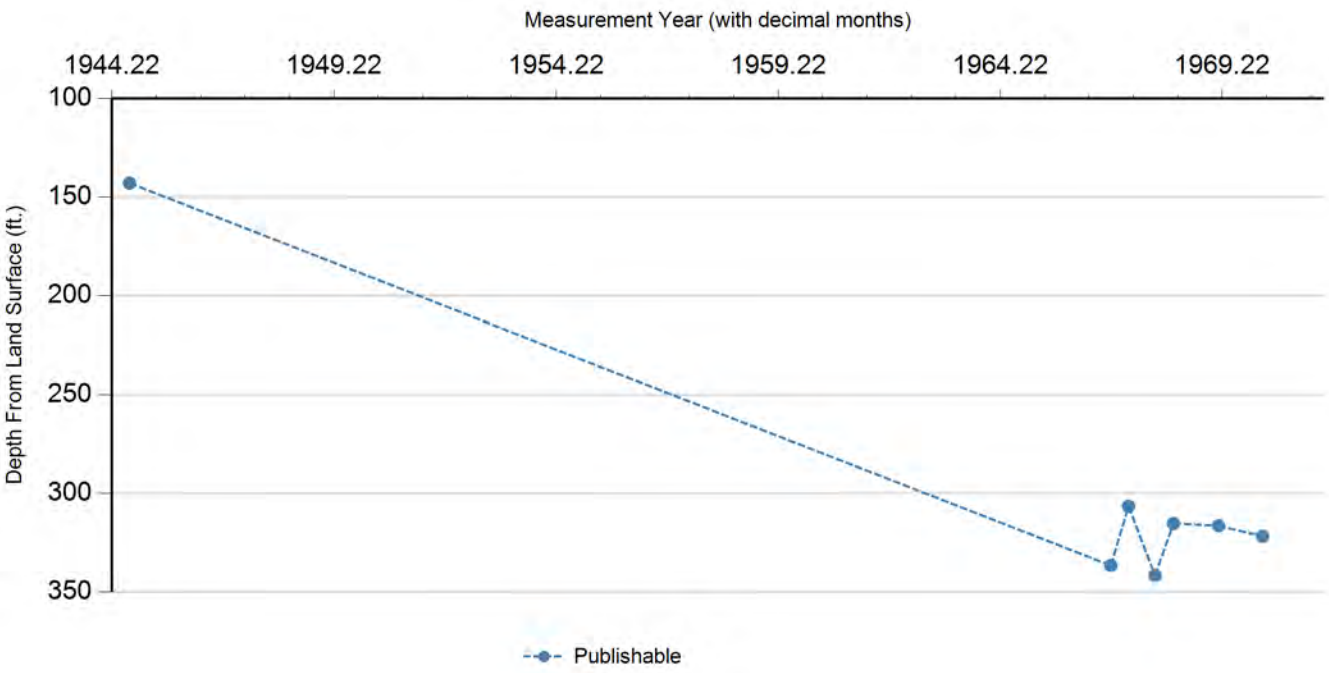
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/16/1944		143		-94	1	Registered Water Well Driller	Unknown		
P	9/20/1966		336.5	193.50	-287.5	1	U.S. Geological Survey	Steel Tape		
P	2/10/1967		306.5	(30.00)	-257.5	1	U.S. Geological Survey	Steel Tape		
P	9/18/1967		341.5	35.00	-292.5	1	U.S. Geological Survey	Steel Tape		
P	2/14/1968		315.2	(26.30)	-266.2	1	U.S. Geological Survey	Electric Line		
P	2/19/1969		316.3	1.10	-267.3	1	U.S. Geological Survey	Steel Tape		
P	2/18/1970		321.7	5.40	-272.7	1	U.S. Geological Survey	Steel Tape		
X	2/10/1971					1	U.S. Geological Survey	Steel Tape	23	

Code Descriptions

Status Code	Status Description
P	Publishable
X	No Measurement

Remark ID	Remark Description
23	Well apparently bridged or caved

Water Quality Analysis

Sample Date: 4/24/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		334.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		408	mg/L	
00910	CALCIUM (MG/L)		11	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		87	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.89		
00955	SILICA, DISSOLVED (MG/L AS SI02)		28	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		13.45		
00932	SODIUM, CALCULATED, PERCENT		91	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		195	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		530	mg/L	

Water Quality Analysis

Sample Date: 4/26/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		338.52	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		413	mg/L	
00910	CALCIUM (MG/L)		14	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		364	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		48	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.82		
00955	SILICA, DISSOLVED (MG/L AS SI02)		20	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		23.66		
00932	SODIUM, CALCULATED, PERCENT		94	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		374	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1720	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		982	mg/L	

Water Quality Analysis

Sample Date: 2/8/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		272.13	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		332	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		653	MICR	

Water Quality Analysis

Sample Date: 3/9/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		336	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		657	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		263.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		322	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		31	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		649	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/11/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		268.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		328	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		500	ug/L	
00910	CALCIUM (MG/L)		7	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		0.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.86		
00955	SILICA, DISSOLVED (MG/L AS SI02)		10	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		12.62		
00932	SODIUM, CALCULATED, PERCENT		92	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		147	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		651	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		382	mg/L	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		333	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		645	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/8/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		333	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		635	MICR	

Water Quality Analysis

Sample Date: 3/7/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		677	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/4/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		63	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		695	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 3/14/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		31	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		667	MICR	

Water Quality Analysis

Sample Date: 3/2/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		348	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		53	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		29	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		677	MICR	

Water Quality Analysis

Sample Date: 3/14/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		325.41	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		397	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		22	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		772	MICR	

Water Quality Analysis

Sample Date: 3/8/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		280.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		27	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		682	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 3/15/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		283.61	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		346	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		671	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

Water Quality Analysis

Sample Date: 2/12/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		29	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		678	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		31	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. J-65-21-302

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) R.K.G. (7-22-65)

Record by W.L.N. (10-11-61) Source of data FILES Date 2-21-68 Map 1:24000 Bellaire 1955

State Texas 48 County (or town) Harris LJ

Latitude: 29 42 51 N Longitude: 095 22 57 Sequential number: 1

Lat-long accuracy: 1 T. ____ N/S, R ____ E/W, Sec ____, ____, ____, ____

Local well number: LJ-65-21-302 Other number: B & H SOUTH END #8

Local use: ____ Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P.S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (Q) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdrew, (X) Waste, (Z) Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1953 -- Annual S Field aquifer char. ____

Byd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 7-1-53 A Pumpage inventory: yes / no, period: ____

Aperture cards: ____ yes

Log data: Log to 2720' E-Log AA-25 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1670 ft 1670 Meas. rept. Driller accuracy 3

Depth cased: (first perf.) 710 ft 710 Casing type: S ; Diam. 24-12¾ in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other ____ G

Method Drilled: (A) air rot, (B) borad, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ H

Data Drilled: 7-11-53 53 Pump intake setting: ____ ft

Driller: TEXAS WATER WELLS, INC. (name) HOUSTON TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) recip, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other T Deep/Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 250 W Trans. or meter no. ____

Descrip. MP BREATHER HOLE +3.5 ft above/below LSD. Alt. MP ____

Alt. LSD: 46' 46 Accuracy: (source) 5' TOPO 3

Water Level 325.8 ft above/below MP; ____ Ft above/below LSD 326 Accuracy: MEAS. A

Date meas: 9-12-68 68 Yield: 1885 gpm 1885 Method determined 4

Drawdown: 32 ft 32 Accuracy: MEAS. Pumping period 0 96 hrs 96

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-21-302

Well No. LJ-65-21-302

Latitude-longitude 29, 42, 51 (N) 095, 22, 57
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS [03] (20–21) Section: _____

_____ [F] (22) Drainage Basin: _____ [511R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Q) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31)

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 335 ft [335] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: 710-780, 860-900, 1100-1140, 1420-1435, 1480-1650

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

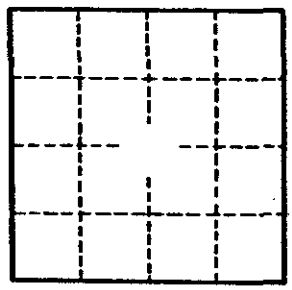
Coefficient Trans: ✓ _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: ✓ _____ gpd/ft²; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

C59

0-599 = 24"

509-1670 = 12 3/4



ONE HOUR RECOVERY TEST

9-12-68

GPM = 1885

PL = 361.5 (MP+3.5)

SL = 329.3 (MP+3.5)

T = 101,400

SP. CAP. = 58.5

361.5
329.3
32.2 D/D

Well No. LJ-65-21-302

GPO 857-700

Water ... Austin, Texas

021396

Latitude ° ' "	Longitude ° ' "	Seq. No.
294251	0952257	01

County code 201 County Harris

Well # LJ-65-21-302

Project number 7-4648-01000

Date 5-17-77 Time — Temp°C 25.5

Owner City of Houston

Address Southend #8

Date drld — WBF code 121 Evgl

Sample interval: (top) 710 (bottom) 1650

Water level — Appr Clear Use PS

Collector Peters Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 294251095225701 (2–16)

Y M D 77 05 17 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7100	03	
Sample interval BOTTOM	72016	1650	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2550	02		25.5
pH	00400	7800	01		7.8
Specific conductance	00095	4960	03		496
HCO_3	00440	2500	03		250
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3000	02		30
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

2233

TX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017570

Latitude ° ' " | Longitude ° ' " | Seq. No.

2942511 | 0952257 | 01

County code 201 County Harris

Well # LJ-65-21-302

Project number 4648-01000

Date 2-10-76 Time — Temp°C 26.0

Owner City of Houston

Address Southend #8

Date drld ____ WBF code 121EVGL

Sample interval: (top) 710 (bottom) 1650

Water level — Appr clear Use PS

Collector Moffat Yield — GPM

Smpld aftr pmpg manual Depth —

Pt of coll top on discharge pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type | Station identification number

2 | 2942511095225701

1 2 9 16

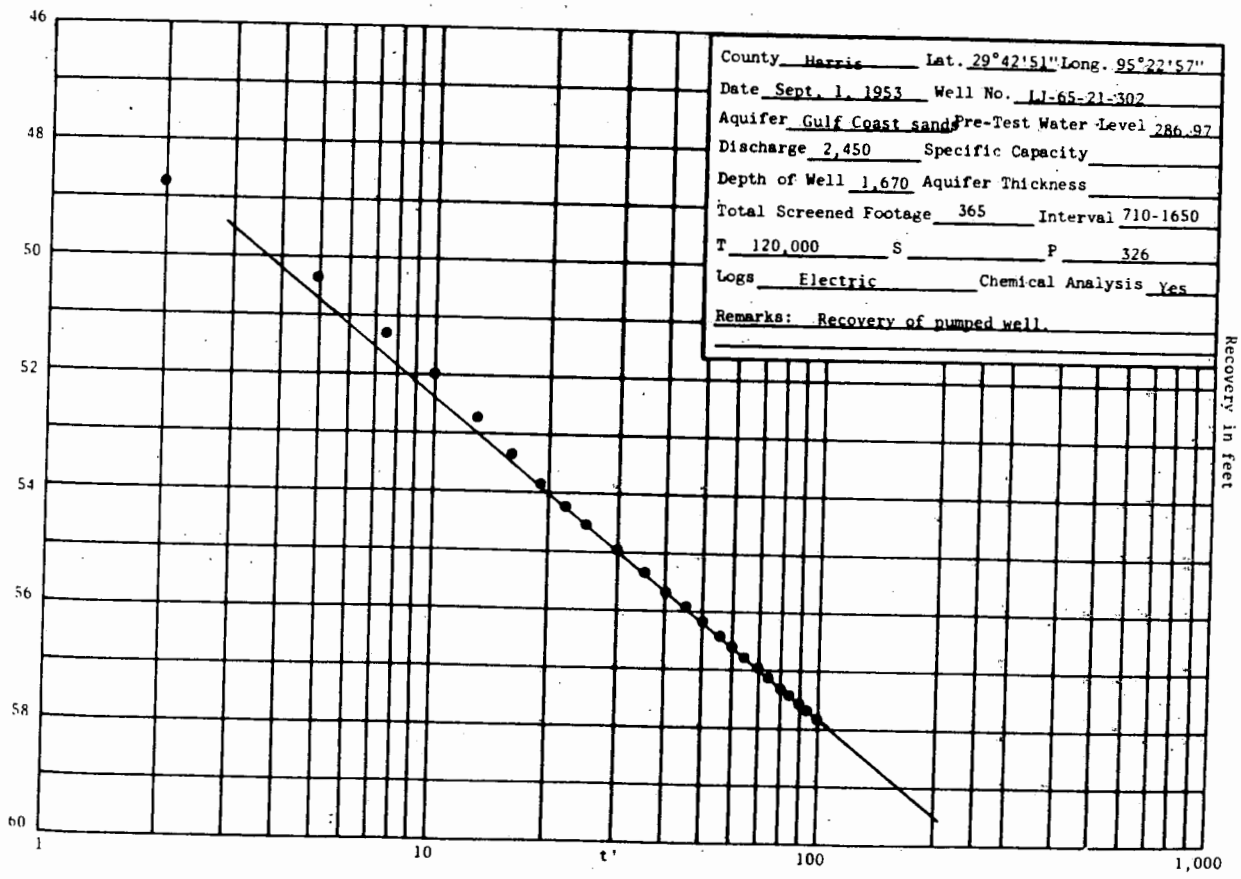
Y M D | Time of measurement

760210 | ____

17 Begin 22 | 29 32

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7100	03	
Sample interval BOTTOM	72016	1650	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2600	02		26.0
pH	00400	6900	01		6.9
Specific conductance	00095	4880	03		488
HCO_3	00440	2430	03		243
CO_3	00445	0000	01		0
Chloride (Cl)	00940	2800	02		28
Sulfate (SO_4)	00945	1700	02		17
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				


County Harris Lat. 29°42'51" Long. 95°22'57"
Date Sept. 1, 1953 Well No. LJ-65-21-302
Aquifer Gulf Coast sands Pre-Test Water Level 286.97
Discharge 2,450 Specific Capacity
Depth of Well 1,670 Aquifer Thickness
Total Screened Footage 365 Interval 710-1650
T 120,000 S P 326
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
46
48
50
52
54
56
58
60
1
10
t'
100
1,000
Recovery in feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-302

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521302
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7144444
Latitude (degrees minutes seconds)	29° 42' 52" N
Longitude (decimal degrees)	-95.3827778
Longitude (degrees minutes seconds)	095° 22' 58" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	46
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1670
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	7/11/1953
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Texas Water Wells
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	18798
U.S. Geological Survey Site Number	294251095225701
Texas Commission on Environmental Quality Source Id	G1010013AX
Groundwater Conservation District Well Number	
Owner Well Number	South End #8
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/21/1968
Last Update Date	6/11/2018

Remarks	Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	599
12	Blank	Steel			509	710
12	Screen	Steel			710	780
12	Blank	Steel			780	860
12	Screen	Steel			860	900
12	Blank	Steel			900	1100
12	Screen	Steel			1100	1140
12	Blank	Steel			1140	1420
12	Screen	Steel			1420	1435
12	Blank	Steel			1435	1480
12	Screen	Steel			1480	1650
12	Blank	Steel			1650	1670

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
9/12/1968	Pump	1885	32	96

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

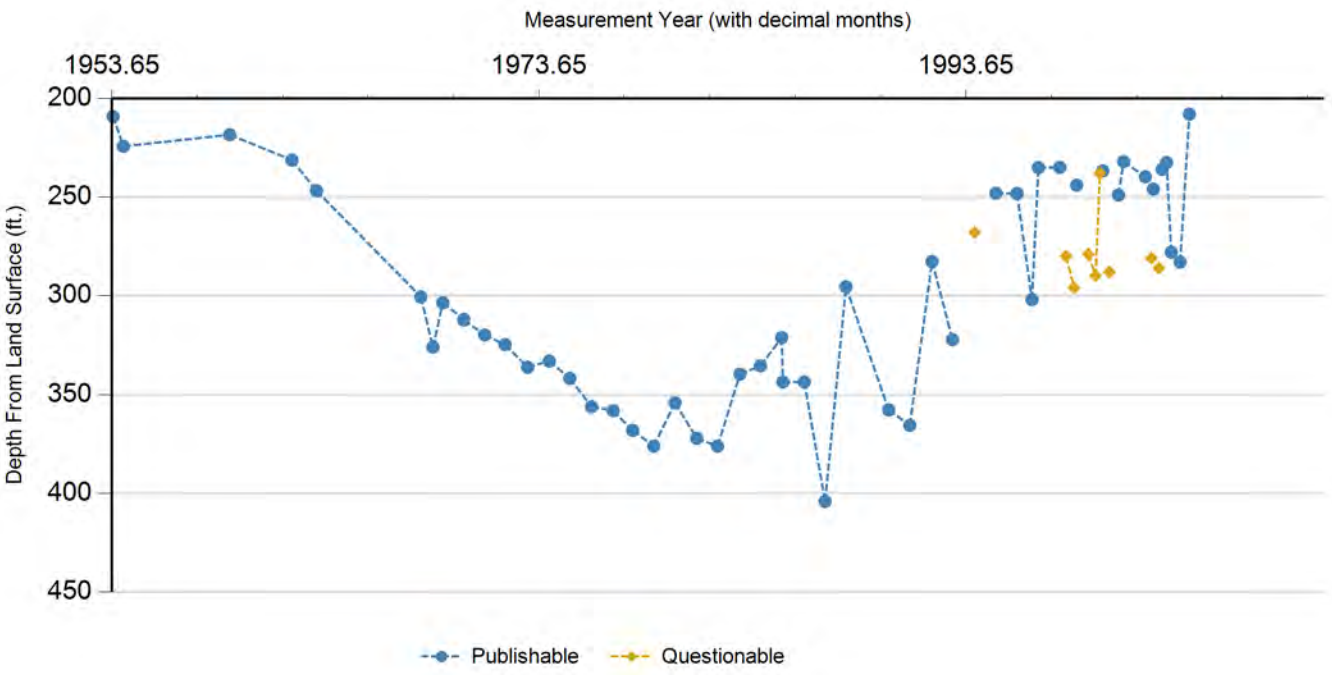
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-302

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	9/18/1953		209.18		-163.18	1	U.S. Geological Survey	Steel Tape		
P	3/9/1954		224.32	15.14	-178.32	1	U.S. Geological Survey	Steel Tape		
P	3/2/1959		218.45	(5.87)	-172.45	1	U.S. Geological Survey	Steel Tape		
P	2/1/1962		231.28	12.83	-185.28	1	U.S. Geological Survey	Steel Tape		
P	3/26/1963		246.81	15.53	-200.81	1	U.S. Geological Survey	Steel Tape		
P	2/14/1968		300.64	53.83	-254.64	1	U.S. Geological Survey	Steel Tape		
P	9/12/1968		325.77	25.13	-279.77	1	U.S. Geological Survey	Steel Tape		
P	2/25/1969		303.62	(22.15)	-257.62	1	U.S. Geological Survey	Steel Tape		
P	2/20/1970		312.04	8.42	-266.04	1	U.S. Geological Survey	Steel Tape		
P	2/10/1971		319.61	7.57	-273.61	1	U.S. Geological Survey	Steel Tape		
P	1/25/1972		324.51	4.90	-278.51	1	U.S. Geological Survey	Steel Tape		
P	2/15/1973		336	11.49	-290	1	U.S. Geological Survey	Air Line		
P	2/19/1974		332.86	(3.14)	-286.86	1	U.S. Geological Survey	Steel Tape		
P	2/6/1975		341.6	8.74	-295.6	1	U.S. Geological Survey	Steel Tape		
P	2/12/1976		356	14.40	-310	1	U.S. Geological Survey	Steel Tape		
P	2/15/1977		358	2.00	-312	1	U.S. Geological Survey	Steel Tape		
P	1/16/1978		368	10.00	-322	1	U.S. Geological Survey	Air Line		
P	1/10/1979		376	8.00	-330	1	U.S. Geological Survey	Air Line		
P	1/10/1980		354	(22.00)	-308	1	U.S. Geological Survey	Air Line		
P	1/16/1981		372	18.00	-326	1	U.S. Geological Survey	Air Line		
P	1/7/1982		376	4.00	-330	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/25/1983		339.49	(36.51)	-293.49	1	U.S. Geological Survey	Steel Tape		
P	1/10/1984		335.26	(4.23)	-289.26	1	U.S. Geological Survey	Steel Tape		
P	1/8/1985		321	(14.26)	-275	1	U.S. Geological Survey	Steel Tape		
P	1/28/1985		343.49	22.49	-297.49	1	U.S. Geological Survey	Unknown		
P	1/28/1986		343.49	0.00	-297.49	1	U.S. Geological Survey	Steel Tape		
P	1/20/1987		404	60.51	-358	1	U.S. Geological Survey	Unknown		
P	1/11/1988		295.55	(108.45)	-249.55	1	U.S. Geological Survey	Unknown		
P	1/12/1990		357.61	62.06	-311.61	1	U.S. Geological Survey	Unknown		
P	1/7/1991		365.44	7.83	-319.44	1	U.S. Geological Survey	Steel Tape		
P	1/23/1992		282.66	(82.78)	-236.66	1	U.S. Geological Survey	Steel Tape		
P	1/6/1993		322	39.34	-276	1	U.S. Geological Survey	Air Line		
Q	1/21/1994		268	(54.00)	-222	1	U.S. Geological Survey	Air Line	4	
P	1/20/1995		248.11	(19.89)	-202.11	1	U.S. Geological Survey	Steel Tape		
P	1/15/1996		248.24	0.13	-202.24	1	U.S. Geological Survey	Steel Tape		
P	9/30/1996		302	53.76	-256	1	U.S. Geological Survey	Electric Line		
P	1/16/1997		235.18	(66.82)	-189.18	1	U.S. Geological Survey	Steel Tape		
P	1/15/1998		235	(0.18)	-189	1	U.S. Geological Survey	Air Line		
P	1/15/1998		231.94	(3.06)	-185.94	2	U.S. Geological Survey	Steel Tape		
Q	5/1/1998		280	48.06	-234	1	U.S. Geological Survey	Air Line	2	
Q	9/21/1998		296	16.00	-250	1	U.S. Geological Survey	Air Line	2	
P	11/5/1998		244	(52.00)	-198	1	U.S. Geological Survey	Air Line		
Q	5/19/1999		279	35.00	-233	1	U.S. Geological Survey	Air Line	2	
Q	9/22/1999		290	11.00	-244	1	U.S. Geological Survey	Air Line	2	
Q	12/8/1999		238	(52.00)	-192	1	U.S. Geological Survey	Air Line	4	
P	1/21/2000		236.74	(1.26)	-190.74	1	U.S. Geological Survey	Steel Tape		
P	1/21/2000		243	6.26	-197	2	U.S. Geological Survey	Air Line		
Q	5/17/2000		288	45.00	-242	1	U.S. Geological Survey	Air Line	2	
P	10/19/2000		249	(39.00)	-203	1	U.S. Geological Survey	Air Line		
P	1/12/2001		232.05	(16.95)	-186.05	1	U.S. Geological Survey	Steel Tape		
P	1/18/2002		239.77	7.72	-193.77	1	U.S. Geological Survey	Steel Tape		
Q	5/3/2002		281	41.23	-235	1	U.S. Geological Survey	Air Line	2	
P	6/5/2002		246	(35.00)	-200	1	U.S. Geological Survey	Air Line		
Q	9/10/2002		286	40.00	-240	1	U.S. Geological Survey	Air Line	2	
P	11/6/2002		236	(50.00)	-190	1	U.S. Geological Survey	Steel Tape		
P	1/16/2003		232.58	(3.42)	-186.58	1	U.S. Geological Survey	Steel Tape		
P	4/7/2003		278	45.42	-232	1	U.S. Geological Survey	Steel Tape		
P	9/8/2003		283	5.00	-237	1	U.S. Geological Survey	Steel Tape		
P	2/11/2004		208	(75.00)	-162	1	U.S. Geological Survey	Steel Tape		
X	5/10/2010					1	U.S. Geological Survey		35	

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable
X	No Measurement

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently
35	Discontinued - no reason stated (outside source)

Water Quality Analysis

Sample Date: 7/13/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00910	CALCIUM (MG/L)		20	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		88	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		11.4	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.6	mg/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		34	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		13.58		
00932	SODIUM, CALCULATED, PERCENT		88	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		262	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		2530	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		123	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		778	mg/L	

Water Quality Analysis

Sample Date: 9/1/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200.82	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		245	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		200	ug/L	
00910	CALCIUM (MG/L)		24	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.24		
00955	SILICA, DISSOLVED (MG/L AS SI02)		21	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.42		
00932	SODIUM, CALCULATED, PERCENT		63	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		74	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		487	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		287	mg/L	

Water Quality Analysis

Sample Date: 7/17/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		212.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		259	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		0	ug/L	
00910	CALCIUM (MG/L)		27	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		92	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		6	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00400	PH (STANDARD UNITS), FIELD		7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.4		
00955	SILICA, DISSOLVED (MG/L AS SI02)		20	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.94		
00932	SODIUM, CALCULATED, PERCENT		66	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		87	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		578	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		319	mg/L	

Water Quality Analysis

Sample Date: 7/18/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 7/30/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		82	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		461	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/0/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		504	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/19/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		82	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/10/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		199.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		243	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00400	PH (STANDARD UNITS), FIELD		6.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		488	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 5/17/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		496	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 6/3/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		250	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		305.09	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		511	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/16/1993 **Sample Time:** 0815 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		465	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 9/27/1994 **Sample Time:** 1000 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		26	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		462	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 9/16/1995 **Sample Time:** 1445 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: U S G S Water-Data R. TX-95-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		470	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/23/1996 **Sample Time:** 1412 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water Data Rpt. TX-96-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		484	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/9/1997 **Sample Time:** 0925 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
65-21-302

Water Quality Analysis

Sample Date: 9/21/1998 **Sample Time:** 1150 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water-Data Report TX-98-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		483	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-303

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD T. BROWN RKG. (7-22-63)

Record by W.L.N. (10-11-61) Source of data FILES Date 2-21-68 Map 1:24000 Bellaire 1955

State Texas 48 County (or town) Harris LJ

Latitude: 29 deg 42 min 30 sec N Longitude: 095 degrees 23 min 22 sec W Sequential number: 1

Lat-long accuracy: 1 T. N S, R W, Sec , , ,

Local well number: LJ-65-21-303 Other number: B & M 9 SOUTHEND

Local use: Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Z) Desal-other, (Other) — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (D) Destroyed — W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1954 - - Annual S Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 10-8-54 A Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: LOG TO 2101 E-LOG AA-26 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1822 ft 1822 Meas. (est) Driller accuracy 3

Depth cased: (first perf.) 680 ft 6810 Casing type: S ; Diam. 24-12¾ in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, ed. pt., (S) (T) (W) shorad, (X) open bble, (B) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (B) other — H

Date Drilled: 7-15-54 9 5 4 Pump intake setting: ft

Driller: EL PASO DRILLING CO. (name) EL PASO, TEXAS (address)

Lift (type): (A) air, (B) bucket, cent, (C) jet, (J) multiple, (cent.), (L) multiple, (turb.), (M) none, (N) piston, (P) rot, (R) submerg, (S) turb, (T) other — T Deep / Shallow D

Power (type): diesel, elec, nat gas, LP gasoline, hand, gas, wind; H.P. 250 W Trans. or meter no.

Descrip. MP BREATHER HOLE +5.0 ft above / below LSD. Alt. MP

Alt. LSD: 44' 4 4 Accuracy: (source) 5' TOPO 3

Water Level 326.8 ft above / below MP; Ft above / below LSD 3 2 2 Accuracy: MEAS. A

Date meas: 9-12-68 9 6 8 Yield: 1257 gpm 1 2 5 7 Method determined 2

Drawdown: 31 ft 3 1 Accuracy: MEAS. 2 Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10⁶ Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-21-303

Well No. LJ-69-21-303

Latitude-longitude 29 d 42 m 30 s (N) 095 d 23 m 22 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) | Physiographic Province: COASTAL PLAINS | 03 (20–21) | Section: ____

F (22) | Drainage Basin: ____ | 51 IP (23–25) | Subbasin: ____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat ____ (27)

MAJOR AQUIFER: ____ system, ____ series | T (28–29) | ____ aquifer, formation, group | E (30–31) ✓

Lithology: ____ (32–33) | Origin: ____ (34) | Aquifer Thickness: ____ ft

(35–37) | Length of well open to: 325 ✓ ft | 325 (38–40) | Depth to top of: ____ ft (41–43)

MINOR AQUIFER: ____ system, ____ series | (44–45) | ____ aquifer, formation, group | (46–47)

Lithology: ____ (48–49) | Origin: ____ (50) | Aquifer Thickness: ____ ft

(51–53) | Length of well open to: ____ ft | (54–56) | Depth to top of: ____ ft | (57–59)

Intervals Screened: 680-700, 720-760, 770-800, 970-985, 995-1010, 1100-1120

Depth to consolidated rock: ____ ft (60–63) | Source of date: ____ (64)

Depth to basement: ____ ft (65–68) | Source of date: ____ (69)

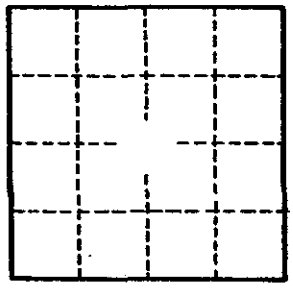
Surficial material: ____ (70–71) | Infiltration characteristics: ____ (72)

Coefficient Trans: ✓ ____ gpd/ft (73–75) | Coefficient Storage: ____ (76–78)

Coefficient Perm: ✓ ____ gpd/ft²; Spec cap: ✓ ____ gpm/ft; Number of geologic cards: ____ (79)

SCREENS:
1180-1195
1220-1245
1335-1355
1400-1430
1440-1470
1575-1590
1600-1625
1640-1655
1670-1690

CSG
0-610 = 24"
510-1822 = 13 3/4



Well No. LJ-69-21-303

GPO 857-700

(11-74)

UNITED STATES ... INTERIOR
Water Resources Division
Austin, Texas

020990

Latitude ° ' "	Longitude ° ' "	Seq. No.
294230	0952322	01

County code 201 County Harris

Well # LJ-65-21-303

Project number 7-4648-01000

Date 2-15-77 Time ____ Temp°C 27.5

Owner City of Houston

Address South End #9

Date drld 1954 WBF code 121 EVGL

Sample interval: (top) 680 (bottom) 1690

Water level ____ Appr Clear Use PS

Collector Butler Yield ____ GPM

Smpld aftr pmpg ____ Depth —

Pt of coll Tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule ____

Other I

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294230095232201 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6800	03	
Sample interval BOTTOM	72016	1690	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		27.5
pH	00400	8000	01		8.1
Specific conductance	00095	5650	03		565
HCO_3	00440	2720	03		272
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4200	02		42
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

2259

Ex 73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017571

Latitude ° ' "	Longitude ° ' "	Seq. No.
94230	0952321	01

County code 201 County Harris

Well # LJ-65-21-303

Project number 4648-01000

Date 2-10-76 Time ____ Temp °C 27.5

Owner City of Houston

Address Southend #9

Date drld — WBF code 121 EVGL

Sample interval: (top) 680 (bottom) 1690

Water level — Appr Clear Use PS

Collector Naftel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

rients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294230095232101 (2–16)

Y M D 76 02 10 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6800	03	
Sample interval BOTTOM	72016	1690	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		27.5
pH	00400	8000	01		8.0
Specific conductance	00095	5690	03		569
HCO_3	00440	2740	03		274
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4200	02		42
Sulfate (SO_4)	00945	1300	02		13
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

2260

Latitude ° ' " 29 42 30 | Longitude ° ' " 095 23 22 | Seq. No. 01

County code ~~48~~ 201 County Harris

Well # LJ-65-21-303

Project number 5-4648-01000

Date 2-6-75 Time ____ Temp°C 26.0

Owner City of Houston

Address Southend #9

Date drld 7-15-54 WBF code 121 EVGV

Sample interval: (top) ~~480~~ 680 (bottom) 1690

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arrival Depth 1822

Pt of coll faucet on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I+SO4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) | Station identification number 29423009523201 (2–16)

Y M D: 75 02 06 (17 Begin 22) | Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1822	04	
Yield (GPM)	00059			
Sample interval TOP	72015	6800	03	
Sample interval BOTTOM	72016	1690	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2600	02		
pH	00400	7600	01		7.6
Specific conductance	00095	5260	03		526
HCO_3	00440	2500	03		25
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3500	02		35
Sulfate (SO_4)	00945	1600	02		16
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Water ... Austin, Texas

019984

Latitude ° ' "	Longitude ° ' "	Seq. No.
294230	0952322	01

nty code 101 County HARRIS

Well # LJ 65-21-303

Project number T4648-01000

Date 9-23-76 Time 1145 Temp°C 27.0

Owner CITY OF HOUSTON -

Address SOUTH END #9

Date drld 7-15-54 WBF code EVGL

Sample interval: (top) 680 (bottom) 1690

Water level ~~33~~ Appr CLEAR Use PS

Collector BEZANT Yield 1224 GPM

Smpld aftr pmpg ON ARRIVAL Depth -

Pt of coll TAP ON Discharge

Field: Cond - pH - HCO_3 - DO -

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

chem schedule

Other I

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 294230095232201 (2–16)

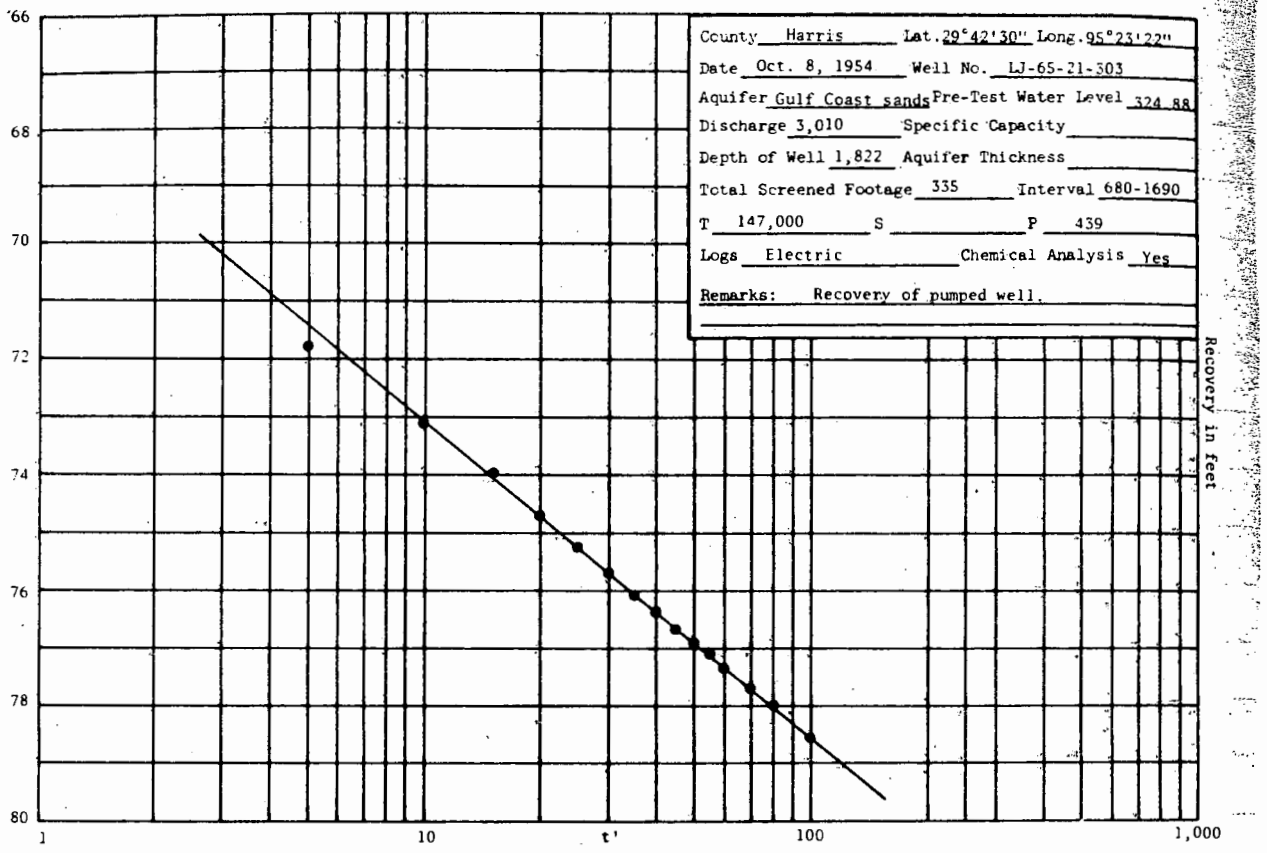
Y M D 76 09 23 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	6800	03	
Sample interval BOTTOM	72016	1690	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7800	01		7.8
Specific conductance	00095	5010	03		501
HCO_3	00440	2460	03		246
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3200	02		32
Sulfate (SO_4)	00945	1600	02		16
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

2262


County Harris Lat. 29°42'30" Long. 95°23'22"
Date Oct. 8, 1954 Well No. LJ-65-21-303
Aquifer Gulf Coast sands Pre-Test Water Level 324.88
Discharge 3,010 Specific Capacity
Depth of Well 1,822 Aquifer Thickness
Total Screened Footage 335 Interval 680-1690
T 147,000 S P 439
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
66
68
70
72
74
76
78
80
Recovery in feet
1
10
t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-303

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521303
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7086111
Latitude (degrees minutes seconds)	29° 42' 31" N
Longitude (decimal degrees)	-95.3897222
Longitude (degrees minutes seconds)	095° 23' 23" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	44
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1822
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	7/15/1954
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	El Paso Drilling
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294230095232201
Texas Commission on Environmental Quality Source Id	G1010013AY
Groundwater Conservation District Well Number	
Owner Well Number	South End #9
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/21/1968
Last Update Date	6/11/2018

Remarks	Aquifer test results in TWDB R-98. No test data in TWDB files. TCEQ coordinates do not match well address.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	610
12	Blank	Steel			510	680
12	Screen	Steel			680	700
12	Blank	Steel			700	720
12	Screen	Steel			720	760
12	Blank	Steel			760	770
12	Screen	Steel			770	800
12	Blank	Steel			800	970
12	Screen	Steel			970	985
12	Blank	Steel			985	995
12	Screen	Steel			995	1010
12	Blank	Steel			1010	1100
12	Screen	Steel			1100	1120
12	Blank	Steel			1120	1180
12	Screen	Steel			1180	1195
12	Blank	Steel			1195	1220
12	Screen	Steel			1220	1245
12	Blank	Steel			1245	1335
12	Screen	Steel			1335	1355
12	Blank	Steel			1355	1400
12	Screen	Steel			1400	1430
12	Blank	Steel			1430	1440
12	Screen	Steel			1440	1470
12	Blank	Steel			1470	1575
12	Screen	Steel			1575	1590
12	Blank	Steel			1590	1600
12	Screen	Steel			1600	1615
12	Blank	Steel			1615	1640
12	Screen	Steel			1640	1655
12	Blank	Steel			1655	1670
12	Screen	Steel			1670	1690
12	Blank	Steel			1690	1822

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
10/8/1954	Pump	3010		
9/12/1968	Pump	1257	31	

Lithology - No Data

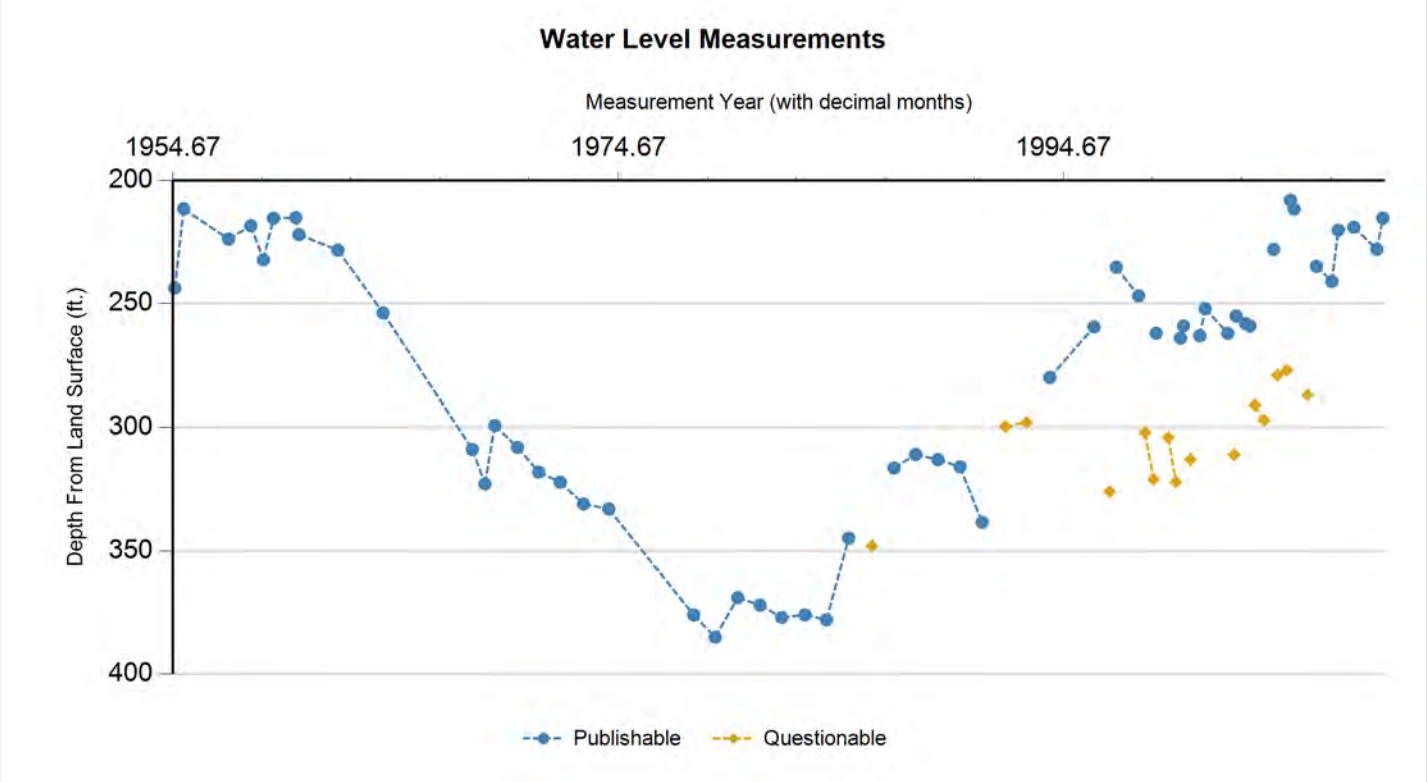
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/8/1954		243.7		-199.7	1	Registered Water Well Driller	Unknown		
P	2/28/1955		211.53	(32.17)	-167.53	1	U.S. Geological Survey	Steel Tape		
P	3/4/1957		223.83	12.30	-179.83	1	U.S. Geological Survey	Steel Tape		
P	3/5/1958		218.4	(5.43)	-174.4	1	U.S. Geological Survey	Steel Tape		
P	9/30/1958		232.19	13.79	-188.19	1	U.S. Geological Survey	Steel Tape		
P	3/10/1959		215.38	(16.81)	-171.38	1	U.S. Geological Survey	Steel Tape		
P	3/11/1960		215.13	(0.25)	-171.13	1	U.S. Geological Survey	Steel Tape		
P	5/1/1960		222	6.87	-178	1	U.S. Geological Survey	Steel Tape		
P	2/1/1962		228.34	6.34	-184.34	1	U.S. Geological Survey	Steel Tape		
P	2/12/1964		253.72	25.38	-209.72	1	U.S. Geological Survey	Steel Tape		
P	2/15/1968		308.9	55.18	-264.9	1	U.S. Geological Survey	Steel Tape		
P	9/12/1968		322.82	13.92	-278.82	1	U.S. Geological Survey	Steel Tape		
P	2/18/1969		299.16	(23.66)	-255.16	1	U.S. Geological Survey	Steel Tape		
P	2/25/1970		308.04	8.88	-264.04	1	U.S. Geological Survey	Steel Tape		
P	2/10/1971		318.1	10.06	-274.1	1	U.S. Geological Survey	Steel Tape		
P	1/26/1972		322.15	4.05	-278.15	1	U.S. Geological Survey	Steel Tape		
P	2/14/1973		331	8.85	-287	1	U.S. Geological Survey	Air Line		
P	4/1/1974		333	2.00	-289	1	U.S. Geological Survey	Air Line		
P	1/23/1978		376	43.00	-332	1	U.S. Geological Survey	Air Line		
P	1/10/1979		385	9.00	-341	1	U.S. Geological Survey	Air Line		
P	1/16/1980		369	(16.00)	-325	1	U.S. Geological Survey	Air Line		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/16/1981		372	3.00	-328	1	U.S. Geological Survey	Air Line		
P	1/7/1982		377	5.00	-333	1	U.S. Geological Survey	Steel Tape		
P	1/24/1983		376	(1.00)	-332	1	U.S. Geological Survey	Air Line		
P	1/10/1984		378	2.00	-334	1	U.S. Geological Survey	Air Line		
P	1/9/1985		344.85	(33.15)	-300.85	1	U.S. Geological Survey	Steel Tape		
Q	1/28/1986		348	3.15	-304	1	U.S. Geological Survey	Steel Tape	4	
P	1/23/1987		316.4	(31.60)	-272.4	1	U.S. Geological Survey	Unknown		
P	1/11/1988		310.91	(5.49)	-266.91	1	U.S. Geological Survey	Unknown		
P	1/13/1989		313.02	2.11	-269.02	1	U.S. Geological Survey	Unknown		
P	1/8/1990		315.88	2.86	-271.88	1	U.S. Geological Survey	Unknown		
P	1/7/1991		338.42	22.54	-294.42	1	U.S. Geological Survey	Steel Tape		
Q	1/23/1992		299.57	(38.85)	-255.57	1	U.S. Geological Survey	Steel Tape	4	
Q	1/6/1993		297.92	(1.65)	-253.92	1	U.S. Geological Survey	Steel Tape	4	
P	1/21/1994		279.98	(17.94)	-235.98	1	U.S. Geological Survey	Steel Tape		
P	1/15/1996		259.43	(20.55)	-215.43	1	U.S. Geological Survey	Steel Tape		
Q	9/30/1996		326	66.57	-282	1	U.S. Geological Survey	Electric Line	2	
P	1/16/1997		235.2	(90.80)	-191.2	1	U.S. Geological Survey	Steel Tape		
P	1/15/1998		246.87	11.67	-202.87	1	U.S. Geological Survey	Steel Tape		
P	1/15/1998		246	(0.87)	-202	2	U.S. Geological Survey	Air Line		
Q	5/1/1998		302	56.00	-258	1	U.S. Geological Survey	Air Line	2	
Q	9/21/1998		321	19.00	-277	1	U.S. Geological Survey	Air Line	2	
P	11/4/1998		262	(59.00)	-218	1	U.S. Geological Survey	Air Line		
Q	5/19/1999		304	42.00	-260	1	U.S. Geological Survey	Air Line	2	
Q	9/22/1999		322	18.00	-278	1	U.S. Geological Survey	Air Line	2	
P	12/8/1999		264	(58.00)	-220	1	U.S. Geological Survey	Air Line		
P	1/21/2000		259.03	(4.97)	-215.03	1	U.S. Geological Survey	Steel Tape		
P	1/21/2000		257	(2.03)	-213	2	U.S. Geological Survey	Air Line		
Q	5/17/2000		313	56.00	-269	1	U.S. Geological Survey	Air Line	2	
P	10/19/2000		263	(50.00)	-219	1	U.S. Geological Survey	Air Line		
P	1/12/2001		252.04	(10.96)	-208.04	1	U.S. Geological Survey	Steel Tape		
P	1/18/2002		262.05	10.01	-218.05	1	U.S. Geological Survey	Steel Tape		
Q	5/3/2002		311	48.95	-267	1	U.S. Geological Survey	Air Line	2	
P	6/5/2002		255	(56.00)	-211	1	U.S. Geological Survey	Air Line		
P	11/6/2002		258	3.00	-214	1	U.S. Geological Survey	Steel Tape		
P	1/16/2003		259.03	1.03	-215.03	1	U.S. Geological Survey	Steel Tape		
Q	4/7/2003		291	31.97	-247	1	U.S. Geological Survey	Steel Tape	2	
Q	9/8/2003		297	6.00	-253	1	U.S. Geological Survey	Steel Tape	2	
P	2/11/2004		228	(69.00)	-184	1	U.S. Geological Survey	Steel Tape		
Q	4/13/2004		279	51.00	-235	1	U.S. Geological Survey	Steel Tape	2	
Q	9/17/2004		277	(2.00)	-233	1	U.S. Geological Survey	Steel Tape	2	
P	11/16/2004		208	(69.00)	-164	1	U.S. Geological Survey	Air Line		
P	1/10/2005		211.67	3.67	-167.67	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Q	8/29/2005		287	75.33	-243	1	U.S. Geological Survey	Air Line	2	
P	1/12/2006		234.84	(52.16)	-190.84	1	U.S. Geological Survey	Steel Tape		
P	9/25/2006		241	6.16	-197	1	U.S. Geological Survey	Steel Tape		
P	1/2/2007		220.24	(20.76)	-176.24	1	U.S. Geological Survey	Steel Tape		
P	9/19/2007		219	(1.24)	-175	1	U.S. Geological Survey	Air Line		
P	10/1/2008		228	9.00	-184	1	U.S. Geological Survey	Air Line		
P	1/6/2009		215.29	(12.71)	-171.29	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 7/16/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		228	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		110	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		71	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		600	MICR	

Water Quality Analysis

Sample Date: 10/8/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		230.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		281	mg/L	
00910	CALCIUM (MG/L)		17	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.34		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.03		
00932	SODIUM, CALCULATED, PERCENT		79	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		110	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		576	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		340	mg/L	

Water Quality Analysis

Sample Date: 3/7/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		286	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		56	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		573	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 4/26/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		89	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		512	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 3/26/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		108	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		474	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/18/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		564	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/18/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		584	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/10/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		64	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		569	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/14/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		118	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		471	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/19/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		84	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		562	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/9/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		509	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/25/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		85	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		570	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/14/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		100	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 3/11/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		566	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/6/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		526	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/10/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		569	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		501	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/15/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		565	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		594	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/20/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		237.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		600	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 4/7/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		600	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-303

Water Quality Analysis

Sample Date: 2/19/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		205	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		490	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		17	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-304

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) R.K.G. (7-27-63)

Record by W.L.N. (10-11-61) Source of data FILES Date 2-21-68 Map Bellaire 1955 1:24000

State Texas 48 County (or town) Harris LJ

Latitude: 29 deg 43 min 20 sec N/S Longitude: 095 degrees 23 min 19 sec Sequential number: 1

Lat-long accuracy: 1 T. ____ S, R ____ W, Sec ____, ____, ____, ____

Local well number: LJ-65-21-304 Other number: B & M 10 Southend

Local use: Owner or name: City of Houston

Owner or name: City of Houston Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Dasal-P S, (Z) Dasal-other, (O) Other ____ P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdrawn, (X) Waste, (Z) Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1958 - Annual S Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 3-8-58 A Pumpage inventory: yes / no, period: ____

Aperture cards: ____ yes

Log data: E-Log AA-23 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2190 ft 2130 Meas. (rept) Driller accuracy 3

Depth cased: (first perf.) 795 ft 1795 Casing type: S ; Diam. 24-12¾ in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other ____ G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (N) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (X) other ____ H

Date Drilled: 1-25-58 1958 Pump intake setting: ____ ft

Driller: Texas Water Wells, Inc. Houston, Texas (name, address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, submerg, (T) turb, (X) other T Deep / Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 250 W Trans. or meter no. ____

Descrip. MP ____ ft above/below LSD. Alt. MP ____

Alt. LSD: 50 50 Accuracy: (source) 5' Topo 3

Water Level 242.67 ft above/below MP; Ft above/below LSD 243 Accuracy: Meas. A

Date meas: 3-8-58 3 5 8 Yield: 2515 gpm 2515 Method determined H

Drawdown: 46 ft 46 Accuracy: meas. O Pumping period 96 hrs 9

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10⁶ Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-21-304

Well No. LJ-6[illegible]-21-304

Latitude-longitude 29 d 43 m 20 s 095 d 23 m 19.1 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [5 1 R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (0) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 400 ft [400] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

* Intervals Screened: 795-810, 835-855, 890-905, 925-930, 1005-1020, 1085-1100

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: ✓ _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

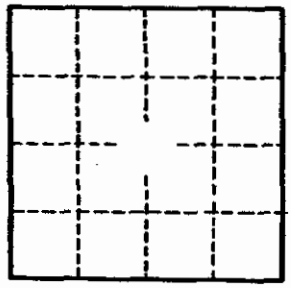
Coefficient Perm: ✓ _____ gpd/ft²; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

* SCREENS:

1175-1190
1290-1310
1350-1380
1395-1410
1455-1470
1505-1545
1580-1595
1615-1625
1665-1680
1910-1935
2070-2095
2110-2120
2140-2150
2160-2170

CSG

0-595 = 24"
595-2190 = 12 3/4"



ONE HOUR RECOVERY TEST
9-12-68

GPM = 1804
PL = 367.2 } MP +1.5
SL = 337.9 }
T = 161,400
SP. CAP = 61.6

367.2
337.9
29.3 MP

Well No. LJ-65-21-304

GPO 857-700

(11-74)

UNITED STATES [illegible] INTERIOR
Water Resources Division
Austin, Texas

020991

Latitude ° ' "	Longitude ° ' "	Seq. No.
294320	0952319	01

County code 201 County Harris

Well # LJ-65-21-304

Project number 7-4648-01000

Date 2-15-77 Time — Temp°C 26.5

Owner City of Houston

Address South End #10

Date drld 1958 WBF code 121 Evgl

Sample interval: (top) 795 (bottom) 2170

Water level _____ Appr Clear Use PS

Collector Butler Yield — GPM

Smpld aftr pmpg _____ Depth —

Pt of coll Tap on discharge

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule _____

Other I

Herbicide _____ Insecticide _____

Remarks:

Type 2 (1) Station identification number 2943200952319 01 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7950	03	
Sample interval BOTTOM	72016	2170	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2650	02		26.5
pH	00400	7800	01		7.8
Specific conductance	00095	5220	03		522
HCO_3	00440	2580	03		258
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3300	02		33
Sulfate (SO_4)	00945	1400	02		14
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

2294

TX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017572

Latitude ° ' "	Longitude ° ' "	Seq. No.
94320	095239	001

County code 201 County Harris

Well # LJ-65-21-304

Project number 4648-01000

Date 2-10-76 Time — Temp°C 27.0

Owner City of Houston

Address Southend #10

Date drld — WBF code 121 EVGL

Sample interval: (top) 795 (bottom) 2170

Water level — Appr Clear Use PS

Collector Nattel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1)

Station identification number 294320095239001 (2–16)

Y M D 76 02 10 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7950	03	
Sample interval BOTTOM	72016	2170	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7800	01		7.8
Specific conductance	00095	5290	03		529
HCO_3	00440	2560	03		256
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3600	02		36
Sulfate (SO_4)	00945	1600	02		16
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

2295

Austin, Texas

015505

Latitude ° ' "	Longitude ° ' "	Seq. No.
294320	0952319	01

County code 101 County HARRIS

Well # LJ-65-21-304

Project number T4648-01.000

Date 09/23/76 Time 1030 Temp°C 28.0

Owner CITY OF HOUSTON.

Address SOUTHEND #10

Date drld 1-25-58 WBF code EVAL

Sample interval: (top) 795 (bottom) 2170

Water level 448.0 Appr Clear Use P.S.

Collector BEZANT Yield 1722 GPM

Smpld aftr pmpg ON Arrival Depth

Pt of coll TAP ON DISCH PIPE

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide Insecticide

Remarks:

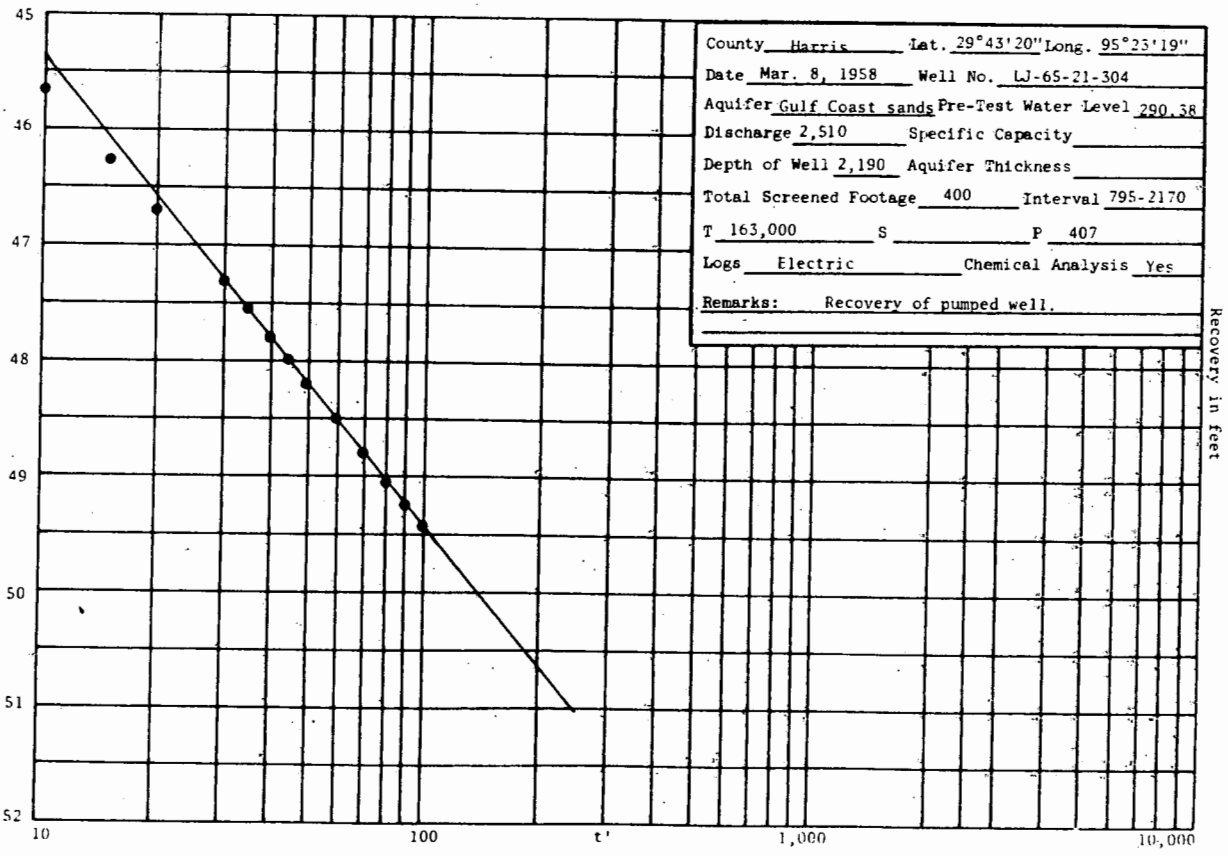
Type 2 (1) Station identification number 2943200952319 01 (2–16)

Y M D 76 09 23 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7950	03	
Sample interval BOTTOM	72016	2170	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2800	02		28.0
pH	00400	7700	01		7.7
Specific conductance	00095	5540	03		554
HCO_3	00440	2700	03		270
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4000	02		40
Sulfate (SO_4)	00945	1100	02		11
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				


County Harris Lat. 29°43'20" Long. 95°23'19"
Date Mar. 8, 1958 Well No. LJ-65-21-304
Aquifer Gulf Coast sands Pre-Test Water Level 290.38
Discharge 2,510 Specific Capacity
Depth of Well 2,190 Aquifer Thickness
Total Screened Footage 400 Interval 795-2170
T 163,000 S P 407
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
45
46
47
48
49
50
51
52
10
100
t'
1,000
10,000
Recovery in feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-304

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521304
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7225
Latitude (degrees minutes seconds)	29° 43' 21" N
Longitude (decimal degrees)	-95.3888889
Longitude (degrees minutes seconds)	095° 23' 20" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2190
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	1/25/1958
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston
Driller	Texas Water Wells
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	33611
U.S. Geological Survey Site Number	294320095231901
Texas Commission on Environmental Quality Source Id	G1010013AZ
Groundwater Conservation District Well Number	
Owner Well Number	South End #10
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/21/1968
Last Update Date	6/11/2018

Remarks	Aquifer test results in TWDB R-98. No test data in TWDB files. TCEQ coordinates do not match well address, or plugging report coordinates.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	595
12	Blank	Steel			495	795
12	Screen	Steel			795	810
12	Blank	Steel			810	835
12	Screen	Steel			835	855
12	Blank	Steel			855	890
12	Screen	Steel			890	905
12	Blank	Steel			905	925
12	Screen	Steel			925	990
12	Blank	Steel			990	1005
12	Screen	Steel			1005	1020
12	Blank	Steel			1020	1085
12	Screen	Steel			1085	1100
12	Blank	Steel			1100	1175
12	Screen	Steel			1175	1190
12	Blank	Steel			1190	1290
12	Screen	Steel			1290	1310
12	Blank	Steel			1310	1350
12	Screen	Steel			1350	1380
12	Blank	Steel			1380	1395
12	Screen	Steel			1395	1410
12	Blank	Steel			1410	1455
12	Screen	Steel			1455	1470
12	Blank	Steel			1470	1505
12	Screen	Steel			1505	1545
12	Blank	Steel			1545	1580
12	Screen	Steel			1580	1595
12	Blank	Steel			1595	1615
12	Screen	Steel			1615	1625
12	Blank	Steel			1625	1665
12	Screen	Steel			1665	1680
12	Blank	Steel			1680	1910
12	Screen	Steel			1910	1935
12	Blank	Steel			1935	2070
12	Screen	Steel			2070	2095
12	Blank	Steel			2095	2110
12	Screen	Steel			2110	2120
12	Blank	Steel			2120	2140
12	Screen	Steel			2140	2150
12	Blank	Steel			2150	2160
12	Screen	Steel			2160	2170
12	Blank	Steel			2170	2190

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
3/8/1958	Pump	2510	46	96

Lithology - No Data

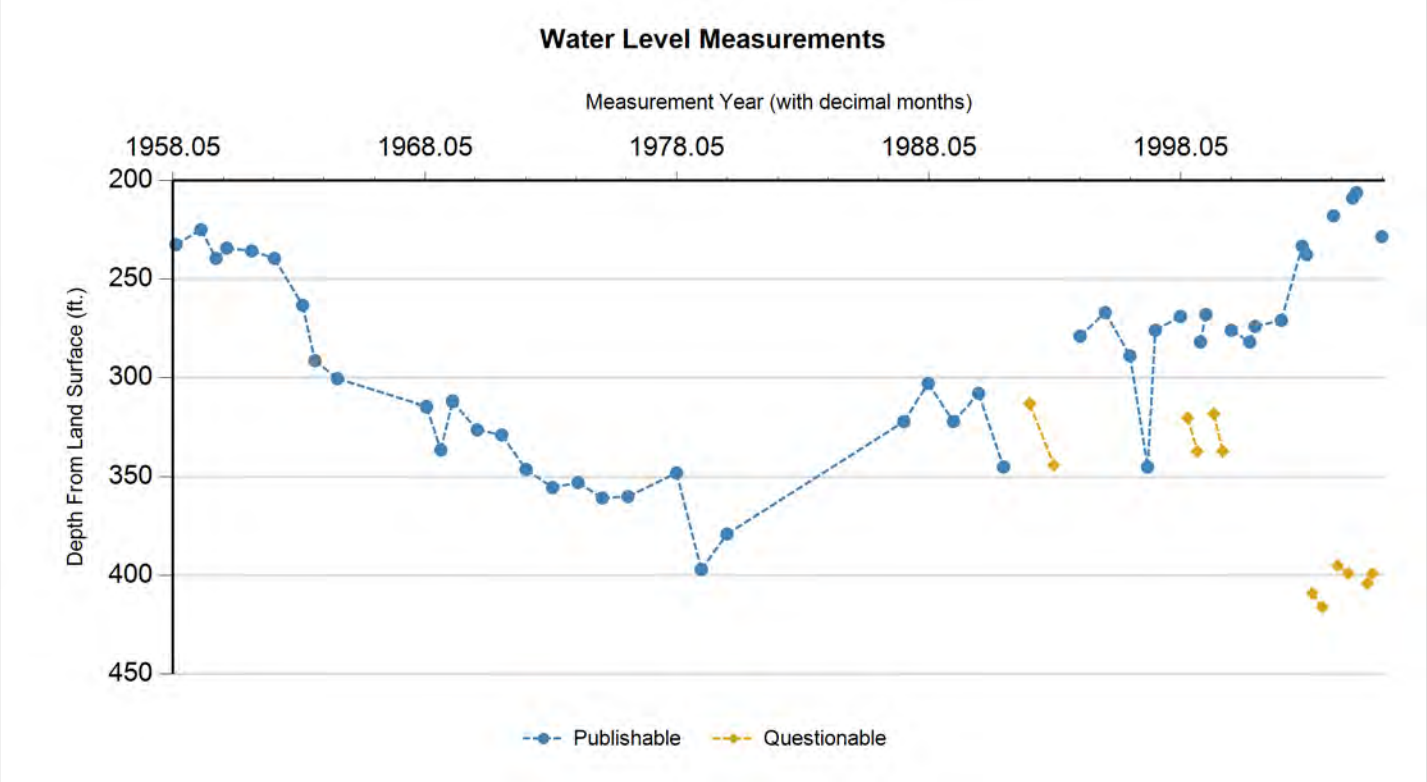
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/4/1958		232.6		-182.6	1	Registered Water Well Driller	Unknown		
P	3/2/1959		224.99	(7.61)	-174.99	1	U.S. Geological Survey	Steel Tape		
P	10/12/1959		239.6	14.61	-189.6	1	U.S. Geological Survey	Steel Tape		
P	3/11/1960		234.38	(5.22)	-184.38	1	U.S. Geological Survey	Steel Tape		
P	3/7/1961		235.77	1.39	-185.77	1	U.S. Geological Survey	Steel Tape		
P	2/1/1962		239.6	3.83	-189.6	1	U.S. Geological Survey	Steel Tape		
P	3/15/1963		263.3	23.70	-213.3	1	U.S. Geological Survey	Steel Tape		
P	9/13/1963		291.4	28.10	-241.4	1	U.S. Geological Survey	Steel Tape		
P	8/4/1964		300.5	9.10	-250.5	1	U.S. Geological Survey	Steel Tape		
P	2/15/1968		314.6	14.10	-264.6	1	U.S. Geological Survey	Steel Tape		
P	9/12/1968		336.38	21.78	-286.38	1	U.S. Geological Survey	Steel Tape		
P	2/26/1969		311.82	(24.56)	-261.82	1	U.S. Geological Survey	Steel Tape		
P	2/19/1970		326.17	14.35	-276.17	1	U.S. Geological Survey	Steel Tape		
P	2/9/1971		328.75	2.58	-278.75	1	U.S. Geological Survey	Steel Tape		
P	1/26/1972		346.21	17.46	-296.21	1	U.S. Geological Survey	Steel Tape		
P	2/14/1973		355.4	9.19	-305.4	1	U.S. Geological Survey	Electric Line		
P	2/19/1974		352.88	(2.52)	-302.88	1	U.S. Geological Survey	Steel Tape		
P	2/6/1975		360.7	7.82	-310.7	1	U.S. Geological Survey	Steel Tape		
P	2/12/1976		360	(0.70)	-310	1	U.S. Geological Survey	Steel Tape		
P	1/16/1978		348	(12.00)	-298	1	U.S. Geological Survey	Air Line		
P	1/10/1979		397	49.00	-347	1	U.S. Geological Survey	Air Line		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-304

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/16/1980		379	(18.00)	-329	1	U.S. Geological Survey	Air Line		
P	1/23/1987		322	(57.00)	-272	1	U.S. Geological Survey	Unknown		
P	1/11/1988		303	(19.00)	-253	1	U.S. Geological Survey	Unknown		
P	1/13/1989		321.95	18.95	-271.95	1	U.S. Geological Survey	Unknown		
P	1/12/1990		308	(13.95)	-258	1	U.S. Geological Survey	Air Line		
P	1/7/1991		345	37.00	-295	1	U.S. Geological Survey	Steel Tape		
Q	1/23/1992		313	(32.00)	-263	1	U.S. Geological Survey	Steel Tape	4	
Q	1/6/1993		344	31.00	-294	1	U.S. Geological Survey	Air Line	4	
P	1/21/1994		279	(65.00)	-229	1	U.S. Geological Survey	Air Line		
P	1/20/1995		267	(12.00)	-217	1	U.S. Geological Survey	Recorder (Float or Transducer)		
P	1/15/1996		289	22.00	-239	1	U.S. Geological Survey	Electric Line		
P	9/30/1996		345	56.00	-295	1	U.S. Geological Survey	Electric Line		
P	1/16/1997		276	(69.00)	-226	1	U.S. Geological Survey	Air Line		
P	1/15/1998		269	(7.00)	-219	1	U.S. Geological Survey	Air Line		
Q	5/1/1998		320	51.00	-270	1	U.S. Geological Survey	Air Line	2	
Q	9/21/1998		337	17.00	-287	1	U.S. Geological Survey	Air Line	2	
P	11/5/1998		282	(55.00)	-232	1	U.S. Geological Survey	Air Line		
P	1/18/1999		268	(14.00)	-218	1	U.S. Geological Survey	Air Line		
Q	5/12/1999		318	50.00	-268	1	U.S. Geological Survey	Air Line	2	
Q	9/22/1999		337	19.00	-287	1	U.S. Geological Survey	Air Line	2	
P	1/21/2000		276	(61.00)	-226	1	U.S. Geological Survey	Air Line		
P	10/19/2000		282	6.00	-232	1	U.S. Geological Survey	Air Line		
P	1/2/2001		274	(8.00)	-224	1	U.S. Geological Survey	Air Line		
P	1/16/2002		271	(3.00)	-221	1	U.S. Geological Survey	Air Line		
P	11/18/2002		233.37	(37.63)	-183.37	1	U.S. Geological Survey	Steel Tape		
P	1/16/2003		237.66	4.29	-187.66	1	U.S. Geological Survey	Steel Tape		
Q	4/7/2003		409	171.34	-359	1	U.S. Geological Survey	Steel Tape	2	
Q	9/8/2003		416	7.00	-366	1	U.S. Geological Survey	Steel Tape	2	
P	2/11/2004		218	(198.00)	-168	1	U.S. Geological Survey	Steel Tape		
Q	4/13/2004		395	177.00	-345	1	U.S. Geological Survey	Steel Tape	2	
Q	9/17/2004		399	4.00	-349	1	U.S. Geological Survey	Steel Tape	2	
P	11/19/2004		209	(190.00)	-159	1	U.S. Geological Survey	Air Line		
P	1/10/2005		206.22	(2.78)	-156.22	1	U.S. Geological Survey	Steel Tape		
Q	6/17/2005		404	197.78	-354	1	U.S. Geological Survey	Air Line	2	
Q	8/29/2005		399	(5.00)	-349	1	U.S. Geological Survey	Air Line	2	
P	1/12/2006		228.56	(170.44)	-178.56	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement
4	Well pumped recently

Water Quality Analysis

Sample Date: 3/8/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		240.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		200	ug/L	
00910	CALCIUM (MG/L)		17	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.64		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.63		
00932	SODIUM, CALCULATED, PERCENT		80	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		117	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		590	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		360	mg/L	

Water Quality Analysis

Sample Date: 3/11/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		622	MICR	

Water Quality Analysis

Sample Date: 4/17/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		54	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		600	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 7/18/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		67	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		606	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/0/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		237.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		74	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		584	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/12/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		242.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		296	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		603	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/18/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		284	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		81	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		544	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/16/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		242.62	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		296	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		595	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/10/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		239.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		71	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		593	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/14/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		237.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		81	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		575	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/19/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		232.79	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		284	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		567	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/18/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		39	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		82	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		569	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/10/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		584	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 1/25/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		90	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		532	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/10/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		529	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.31	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		270	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		554	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/15/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		522	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.31	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		270	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		559	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/20/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		620	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 4/7/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		580	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/19/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		230	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		600	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/16/1993 **Sample Time:** 0745 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		455	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 9/14/1994 **Sample Time:** 1300 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		26	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		461	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/16/1995 **Sample Time:** 1520 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: U S G S Water-Data R. TX-95-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		484	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/23/1996 **Sample Time:** 1344 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water Data Rpt. TX-96-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		478	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 9/9/1997 **Sample Time:** 1030 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		486	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-304

Water Quality Analysis

Sample Date: 9/21/1998 **Sample Time:** 1345 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From a report; unknown sample collection & preservation

Collection Remarks: USGS Water-Data Report TX-98-4

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6521305 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294349 **Longitude** 952304 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Dr. Allaly

Driller
H. L. Jackson Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1951 **Depth** 279 **Source of Depth** **Altitude** 51 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** JET PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** DOMESTIC **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1951
-105

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-305

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521305
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.730278
Latitude (degrees minutes seconds)	29° 43' 49" N
Longitude (decimal degrees)	-95.384445
Longitude (degrees minutes seconds)	095° 23' 04" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	279
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1951
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Dr. Allaly
Driller	H. L. Jackson Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

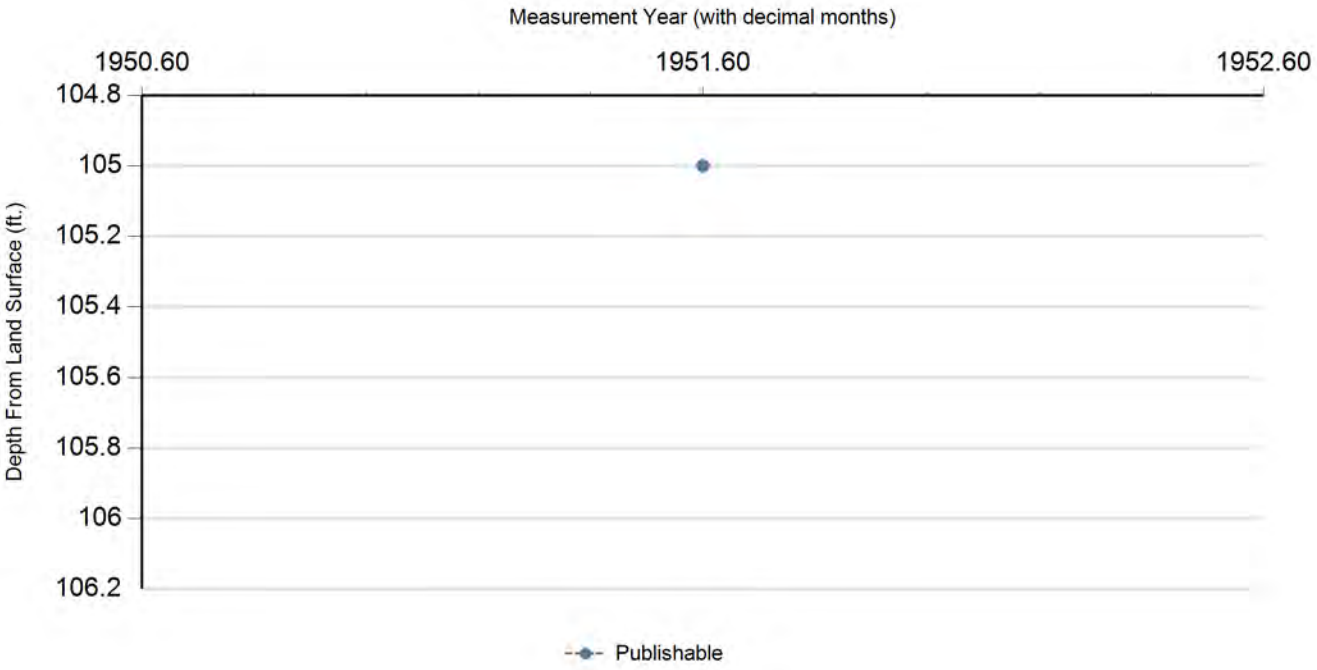
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/8/1951		105		-54	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. T-65-21-306

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

-0-

MASTER CARD (T. BROWN) R.K.Ct. (7-22-63)

Record by RBA (4-2-62) Source of data FILES Date 2-21-68 Map Bellaire 1955 1:24000

State Texas [48] County (or town) Harris [LJ]

Latitude: 29 43 19 N Longitude: 095 23 16 Sequential number: 1

Lat-long accuracy: 1 T. ___ S, R ___ W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-21-306 Other number: SOUTHEND #11 B & M

Local use: Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data 1 Freq. W/L meas.: Annual 1962 -- [A] Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 6-6-62 [A] Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E-LOG AA-24 D-Log 0-2558 [ED]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2215 ft [2215] Meas. rept. Driller accuracy [3]

Depth cased: (first perf.) 700 ft [700] Casing type: S ; Diam. 24-12¾ in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [G]

Method Drilled: (A) air rot, (B) hored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [H]

Date Drilled: APR.-1962 [962] Pump intake setting: ft

Driller: TEXAS WATER WELLS, INC. Houston, Texas (name, address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [S] Deep Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. [5] Trans. or meter no.

Descrip. MP ft above below LSD. Alt. MP

Alt. LSD: 49' [49] Accuracy: (source) 5' TOPO [3]

Water Level: one hr. static 256.73 ft above below MP; Ft above below LSD [257] Accuracy: meas. [A]

Date meas: 6-7-62 [662] Yield: 2316 gpm [2316] Method determined [4]

Drawdown: 57 ft [57] Accuracy: meas. [0] Pumping period 48 hrs [48]

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct E x 10⁶ Temp. °F Date sampled

Taste, color, etc.

314
257
57

Well No. LJ-65-21-306

File original copy with
Texas Water Commission
P. O. Box 2311, Capitol Station
Austin 11, Texas

State of Texas

DRILLERS LOG AND WELL DATA REPORT

For use by TWC only
Well No. 65-21-3a
Located on map yes
By [illegible] Date 63
Map No. 102(2)

1) Well Owner: City of Houston — Houston, Texas
Name — Street or RFD — City — State

2) Land Owner: _____
Name — Street or RFD — City — State

3) Intended use: Industrial ☐ ; Municipal ☒ ; Irrigation ☐ ; Other _____

4) Location of well: County Harris Labor _____ League _____ Abstract No. _____

NW¼ NE¼ SW¼ SE¼ of Section _____ Block No. _____ Survey _____
(Circle as many as are known)

_____ miles in _____ direction
NE, SW, etc.

from _____
Town

Southend Water Well No. 11

Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.

DRILLERS LOG OF WELL

Method of drilling: Rotary Diameter of hole 9-7/8 in. Date drilled April-1962

All measurements made from _____ ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
		Attached			

(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION

Straight wall ☐
Under reamed ☒
Gravel packed ☒
Open hole ☐
Other _____

CASING

Type: Old ☐ New ☒
Cemented from 0 ft.
to 590 ft.

Diameter (inches)	Setting from (ft)	Setting to (ft)
24"	0	590

SCREEN

Type Stainless Steel Wire Wrapped
Perforated ☐ Slotted ☐

Diameter (inches)	Setting from (ft)	Setting to (ft)
	Attached	

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

_____ Texas Water Wells, Inc. Reg. No. 166
Signature — Company Name

Please attach electric log, chemical analysis, and other pertinent information if available.

If well was tested by your company or if you installed the permanent pump please complete the following:

WATER LEVEL AND PUMP DATA

Static water level _____
ft. below _____

Pumping level

feet	hours	gpm
	Attached	

Pump type Not furnished by us.
Designed pumping rate _____ gpm ☐ gph ☐
Type power unit _____
Horsepower _____
Depth to bowls, cylinder, jet, etc., _____ ft. below pump base.

(2)

Name of contractor testing well or installing permanent pump if other than your company: _____

C-34 (62-4)

65-21-306 GM

Well No. LJ-65-21-306

Latitude-longitude 29 43 19 S 095 23 16
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS 03 (20–21) Section:

F (22) Drainage Basin: 51R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31) ✓

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: ✓ 440 ft 440 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

* Intervals Screened: 700-715, 750-780, 795-810, 880-900, 940-970, 990-1,020

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

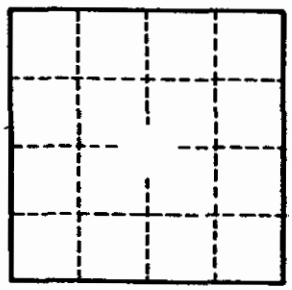
Coefficient Trans: ✓ gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: ✓ gpd/ft^2; Spec cap: ✓ gpm/ft; Number of geologic cards: (79)

* SCREENS:

1040 - 1055
1080 - 1100
1120 - 1130
1170 - 1185
1285 - 1300
1350 - 1370
1385 - 1410
1430 - 1445
1465 - 1480
1500 - 1515
1540 - 1560
1580 - 1610
1670 - 1685
1715 - 1730
1925 - 1935
2075 - 2085
2115 - 2125
2145 - 2155
2180 - 2195

CSG
0 - 590 = 24"
500 - 2215 = 12 3/4"



ONG HOUR RECOVERY TEST
9-13-68
GPM = 1404
PL = 367.0 } MP = +2.0'
SL = 327.8
T = 118,800
SP. CAP. = 35.8

Well No. LJ-65-21-306

GPO 857-700

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

TRU-GRAVEL-WALL WELLS

951 MCCARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7561

April 1962

CITY OF HOUSTON
SOUTH END #11

DRILLER'S LOG

FROM	TO	FORMATION
0	11	Rotary to Ground
11	18	Clay
18	25	Sand
25	105	Clay and Sand
105	198	Sandy Shale & Sand
198	263	Shale
263	300	Sand
300	345	Shale
345	425	Sand
425	455	Shale
455	500	Sand
500	525	Shale
525	585	Sand Streaks & Shale
585	621	Sand
621	652	Shale
652	695	Sand & Shale
695	829	Sand & Shale Streaks
829	850	Shale
850	910	Sand
910	933	Shale
933	1033	Sand
1033	1054	Sandy Shale
1054	1175	Sand
1175	1185	Sand
1185	1198	Lime Shell
1198	1215	Gyp
1215	1233	Sand
1233	1240	Lime Shell
1240	1286	Shale

Attachi
7 pages
WW# 65-21-3a

65-21-306

MEMBER TEXAS WATER WELL DRILLING CONTRACTORS ASSOCIATION

CITY OF HOUSTON
South End Water Well #11
Driller's Log
Page 2

FROM	TO	FORMATION
1285	1320	Sand
1320	1360	Shale
1360	1445	Sand
1445	1455	Shale
1455	1520	Sand
1520	1535	Shale
1535	1645	Sand
1645	1665	Shale
1665	1740	Sand
1740	1905	Shale
1905	1950	Sand
1950	2020	Shale
2020	2111	Shale & Sand Streaks
2111	2126	Sand
2126	2136	Shale
2136	2200	Sand
2200	2253	Shale
2253	2264	Sandy Shale
2264	2274	Hard Lime
2274	2289	Sand
2289	2302	Lime & Shale
2302	2315	Shale & Lime Streaks
2315	2325	Sand
2325	2331	Shale & Lime Streaks
2331	2356	Sand
2356	2385	Sand & Shell
2385	2410	Sand & Lime
2410	2445	Sandy Shale
2445	2505	Sandy Shale
2505	2526	Sandy Shale
2526	2556	Shale

65-21-306

65-21-3a

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

981 MC CARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7581

April- 1962

City of Houston
Houston, Texas

Water Well No. Southend 11

SETTING DATA:

SURFACE CASING:

SET AND CEMENTED IN PLACE: 500' of 24" O. D., .375" W. T. P. E. casing.

SCREEN AND BLANK LINER:

FROM	TO	DESCRIPTION
500'	700'	12-3/4" Blank Liner
700'	715'	12-3/4" S. S. Screen
715'	750'	12-3/4" Blank Liner
750'	780'	12-3/4" S. S. Screen
780'	795'	12-3/4" Blank Liner
795'	810'	12-3/4" S. S. Screen
810'	880'	12-3/4" Blank Liner
880'	900'	12-3/4" S. S. Screen
900'	940'	12-3/4" Blank Liner
940'	970'	12-3/4" S. S. Screen
970'	990'	12-3/4" Blank Liner
990'	1020'	12-3/4" S. S. Screen
1020'	1040'	12-3/4" Blank Liner
1040'	1055'	12-3/4" S. S. Screen
1055'	1090'	12-3/4" Blank Liner
1090'	1100'	12-3/4" S. S. Screen
1100'	1130'	12-3/4" Blank Liner
1130'	1150'	12-3/4" S. S. Screen
1150'	1170'	12-3/4" Blank Liner
1170'	1185'	12-3/4" S. S. Screen

65-21-306

65-21-306

City of Houston
Houston, Texas

Water Well No. Southend 11

SETTING DATA (con't)

FROM	TO	DESCRIPTION
1185'	1205'	13-3/4" Blank Liner
1205'	1260'	13-3/4" S. S. Screen
1260'	1270'	13-3/4" Blank Liner
1270'	1370'	13-3/4" S. S. Screen
1370'	1385'	13-3/4" Blank Liner
1385'	1410'	13-3/4" S. S. Screen
1410'	1420'	13-3/4" Blank Liner
1420'	1445'	13-3/4" S. S. Screen
1445'	1455'	13-3/4" Blank Liner
1455'	1480'	13-3/4" S. S. Screen
1480'	1500'	13-3/4" Blank Liner
1500'	1515'	13-3/4" S. S. Screen
1515'	1540'	13-3/4" Blank Liner
1540'	1560'	13-3/4" S. S. Screen
1560'	1580'	13-3/4" Blank Liner
1580'	1610'	13-3/4" S. S. Screen
1610'	1670'	13-3/4" Blank Liner
1670'	1685'	13-3/4" S. S. Screen
1685'	1715'	13-3/4" Blank Liner
1715'	1730'	13-3/4" S. S. Screen
1730'	1955'	13-3/4" Blank Liner
1955'	1965'	13-3/4" S. S. Screen
1965'	2075'	13-3/4" Blank Liner
2075'	2085'	13-3/4" S. S. Screen
2085'	2115'	13-3/4" Blank Liner
2115'	2125'	13-3/4" S. S. Screen
2125'	2145'	13-3/4" Blank Liner
2145'	2155'	13-3/4" S. S. Screen
2155'	2190'	13-3/4" Blank Liner
2190'	2195'	13-3/4" S. S. Screen
2195'	2215'	13-3/4" Blank Liner pressure valve and wood wash plug.

65-21-306

65-21-30a

6:30	22	315	2316
7:30	22	317	2316
8:30	22	317	2316
9:30	22	317	2316
10:30	22	317	2316
11:30	22	317	2316
12:30 pm	22	317	2316
1:30	22	317	2316
2:30	22	317	2316
3:30	22	317	2316
4:30	22	316	2316
5:30	22	316	2316
6:30	22	316	2316
7:30	22	316	2316
8:30	22.5	315	2316
9:30	22.5	315	2316
10:30	22.5	315	2316
11:30	22	314	2316
12:30 am	22	312	2316
1:30	22	312	23146
2:30	22	312	2316
3:30	22	312	2316
4:30	22	312	2316
5:30	22	314	2316

RECOVERY	WATER LEVEL
5:25	260.5'
5:30	258.82'
5:35	258.81'
5:40	258.39'
5:45	258.18'
5:50	258.00'
5:00	257.80'
6:10	257.18'
6:20	256.94'
6:30	256.78'
6:40	256.55'
6:50	256.40'
7:00	256.25'

65-21-306

65-21-3W

TEXAS WATER COMMISSION

COMMISSIONERS

JOE D. CARTER, CHAIRMAN
O. F. DENT
H. A. BECKWITH

813 STATE OFFICE BUILDING
201 EAST 14TH STREET

AREA CODE 512
GREENWOOD 6-6791

P. O. BOX 2311
CAPITOL STATION
AUSTIN 11, TEXAS

JOHN J. VANDERTULIP
CHIEF ENGINEER

C. R. BASKIN
ASS'T. CHIEF ENGINEER

ELBERT HOOPER
CHIEF EXAMINER

BEN F. LOONEY, JR.
SECRETARY

November 13, 1962

Mr. L. M. Fawcett, Secretary
Texas Water Wells, Inc.
951 McCarty Drive
Houston 29, Texas

Dear Sir:

This is to acknowledge receipt on November 8, 1962 of the Drillers Log and Well Data Report sent in by your company for a well drilled in Harris County for City of Houston, Southend Water Well No. 11, on April-1962.

When your logs are received at this office they are located and plotted on county highway maps, this is our reason for requesting accurate location information and a sketch giving distance and direction of the well from permanent land marks.

Our ability to plot these wells with relative accuracy greatly increase their value to us in our work.

We would appreciate receiving this information on the above named well at your earliest convenience.

Please utilize the back of this letter for the requested information.

Very truly yours,

James R. Wall
Geologic Aide

JRW:jlt

RECEIVED
DEC 13 1962
TEXAS WATER COMMISSION
AUSTIN, TEXAS

RECEIVED NOV 15 1962

Last Attack
65-21-30a
65-21-306

TEXAS WATER WELLS

INC.

TRU-GRAVEL-WALL WELLS
951 MCCARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7581

June 7, 1962

City of Houston
Southend #11
Houston, Texas

Date Started June 4, 1962
Orifice 12 x 12
Water Level [illegible]
Airline [illegible]

PUMPING TEST

TIME	HEAD IN INCHES	PUMPING LEVEL	GPM
8:40 am started test			
8:20	23	314	2360
7:30	22.5	315	2340
8:30	22	316	2316
9:30	22	316	2316
10:30	22	315	2316
11:30	22	315	2316
12:30pm	22	316	2316
1:30	22	316	2316
2:30	22	317	2316
3:30	15	316	1966
4:30	22	317	2316
5:30	22.5	317	2340
6:30	22.5	317	2340
7:30	22.5	316	2340
8:30	22	317	2316
9:30	22	316	2316
10:30	22	316	2316
11:30	22	314	2316
6-5-62			
12:30am	22	314	2316
1:30	22	316	2316
2:30	22	314	2316
3:30	21	315	2260
4:30	22	314	2316
6:30	22	316	2316

65-21-306

IX-734
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020992

Latitude ° ' "	Longitude ° ' "	Seq. No.
294319	095231	601

County code 201 County Harris

Well # LJ-65-21-306

Project number 7-4648-01000

Date 2-14-77 Time ____ Temp°C 27.0

Owner City of Houston

Address South End #11

Date drld 1962 WBF code 121 Engl.

Sample interval: (top) 700 (bottom) 1020

Water level ____ Appr ____ Use ____

Collector Butler Yield ____ GPM

Smpld aftr pmpg ____ Depth ____

Pt of coll Tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule ____

Other I

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 2943190952316 01 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval P	72015	7000	03	
Sample interval BOTTOM	72016	1020	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7800	01		7.8
Specific conductance	00095	5730	03		573
HCO_3	00440	2780	03		278
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4100	02		41
Sulfate (SO_4)	00945	1300	02		13
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017573

Latitude ° ' "	Longitude ° ' "	Seq. No.
74319	095231	601

County code 201 County Harris

Well # LJ-65-~~[illegible]~~ 21-306

Project number 4648-01000

Date 2-10-76 Time ____ Temp°C 27.5

Owner City of Houston

Address Southend Hill

Date drld — WBF code 121 EVGL

Sample interval: (top) 700 (bottom) 2195

Water level — Appr clear Use PS

Collector Noftel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294319095231601 (2–16)

Y M D 76 02 10 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval	72015	7000	03	
Sample interval BOTTOM	72016	2195	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		27.5
pH	00400	7900	01		7.9
Specific conductance	00095	5730	03		573
HCO_3	00440	2700	03		270
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4200	02		42
Sulfate (SO_4)	00945	1500	02		15
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

2346

(11-74)

Water Resources Division
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 43 19	095 23 16	01

County code ~~LJ~~ 201 County Harris

Well # LJ-65-21-306

Project number 5-4648-01000

Date 2-6-75 Time _____ Temp°C 27.5

Owner City of Houston

Address Southend #11

Date drld 5-1962 WBF code 121 EVGL

Sample interval: (top) 700 (bottom) 2195

Water level _____ Appr _____ Use PS

Collector Naftel Yield _____ GPM

Smpld aftr pmpg on arrival Depth 2215

Pt of coll faucet on pipe

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I+SO4

Other _____

Herbicide _____ Insecticide _____

Remarks:

Type: 2 (1)

Station identification number: 29431909523160 1 (2–16)

Y	M	D
75	02	06

17 Begin 22

Time of measurement: _____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	2215	04	
Yield (GPM)	00059			
Sample interval TOP	72015	7000	03	
Sample interval BOTTOM	72016	2195	04	
Water level	[illegible]			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		
pH	00400	7500	01		7.5
Specific conductance	00095	5710	03		57
HCO_3	00440	2740	03		27
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4200	02		42
Sulfate (SO_4)	00945	1400	02		14
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Austin, Texas

019936

Latitude ° ' "	Longitude ° ' "	Seq. No.
294319	0952316	01

unty code 101 County HARRIS

Well # LJ 65-21-306

Project number T4648-01000

Date 9-23-76 Time 1045 Temp°C 27.5

Owner CITY OF HOUSTON.

Address SOUTH END #11

Date drld 4/1962 WBF code EVCL

Sample interval: (top) 700 (bottom) 1020

Water level 427 Appr CLEAR Use PS

Collector BEZANT Yield 1875 GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON Disch. pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

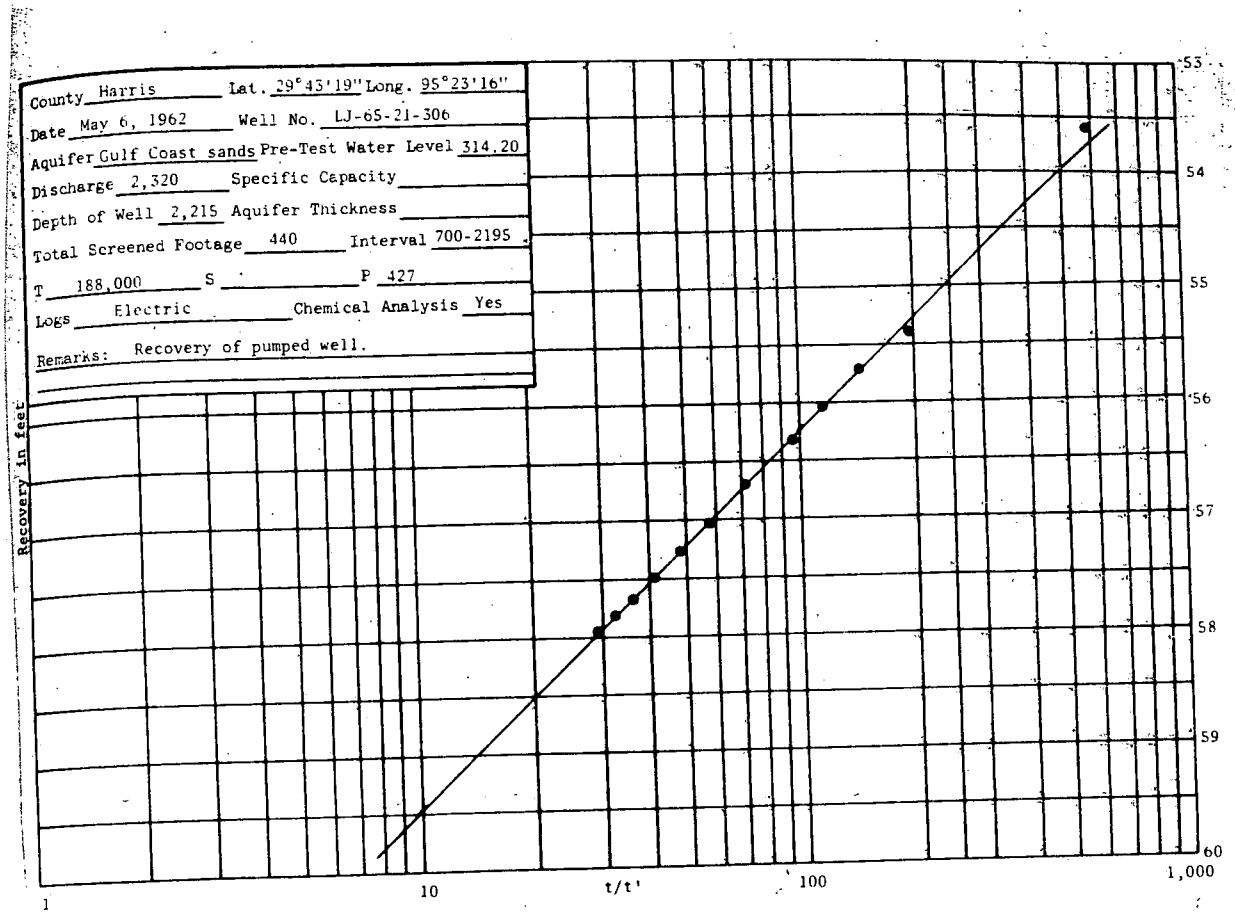
Type 2 (1) Station identification number 2943190952316 01 (2–16)

Y M D 76 09 23 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7000	03	
Sample interval BOTTOM	72016	1020	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		27.5
pH	00400	7700	01		7.7
Specific conductance	00095	5350	03		535
HCO_3	00440	2630	03		263
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3500	02		35
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				


County Harris Lat. 29°43'19" Long. 95°23'16"
Date May 6, 1962 Well No. LJ-65-21-306
Aquifer Gulf Coast sands Pre-Test Water Level 314.20
Discharge 2,320 Specific Capacity
Depth of Well 2,215 Aquifer Thickness
Total Screened Footage 440 Interval 700-2195
T 188,000 S P 427
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Recovery in feet
53
54
55
56
57
58
59
60
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-306

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521306
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.722222
Latitude (degrees minutes seconds)	29° 43' 20" N
Longitude (decimal degrees)	-95.388056
Longitude (degrees minutes seconds)	095° 23' 17" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2215
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	4/0/1962
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #11
Driller	Texas Water Wells
Other Data Available	Aquifer Test; Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/21/1968
Last Update Date	7/15/2010

Remarks	Reported yield 2320 GPM in 1962. Aquifer test results in TWDB R-98. No data for this test in TWDB fil- es. There is a June 1962 test in TWDB files. Historical observation well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	590
12	Blank	Steel			500	700
12	Screen	Stainless Steel			700	715
12	Blank	Steel			715	750
12	Screen	Stainless Steel			750	780
12	Blank	Steel			780	795
12	Screen	Stainless Steel			795	810
12	Blank	Steel			810	880
12	Screen	Stainless Steel			880	900
12	Blank	Steel			900	940
12	Screen	Stainless Steel			940	970
12	Blank	Steel			970	990
12	Screen	Stainless Steel			990	1020

12	Blank	Steel			1020	1040
12	Screen	Stainless Steel			1040	1055
12	Blank	Steel			1055	1080
12	Screen	Stainless Steel			1080	1100
12	Blank	Steel			1100	1120
12	Screen	Stainless Steel			1120	1130
12	Blank	Steel			1130	1170
12	Screen	Stainless Steel			1170	1185
12	Blank	Steel			1185	1285
12	Screen	Stainless Steel			1285	1300
12	Blank	Steel			1300	1350
12	Screen	Stainless Steel			1350	1370
12	Blank	Steel			1370	1385
12	Screen	Stainless Steel			1385	1410
12	Blank	Steel			1410	1430
12	Screen	Stainless Steel			1430	1445
12	Blank	Steel			1445	1465
12	Screen	Stainless Steel			1465	1480
12	Blank	Steel			1480	1500
12	Screen	Stainless Steel			1500	1515
12	Blank	Steel			1515	1540
12	Screen	Stainless Steel			1540	1560
12	Blank	Steel			1560	1580
12	Screen	Stainless Steel			1580	1610
12	Blank	Steel			1610	1670
12	Screen	Stainless Steel			1670	1685
12	Blank	Steel			1685	1715
12	Screen	Stainless Steel			1715	1730
12	Blank	Steel			1730	1925
12	Screen	Stainless Steel			1925	1935
12	Blank	Steel			1935	2075
12	Screen	Stainless Steel			2075	2085
12	Blank	Steel			2085	2115
12	Screen	Stainless Steel			2115	2125
12	Blank	Steel			2125	2145
12	Screen	Stainless Steel			2145	2155
12	Blank	Steel			2155	2180
12	Screen	Stainless Steel			2180	2195
12	Blank	Steel			2195	2215

Well Tests - No Data

Lithology - No Data

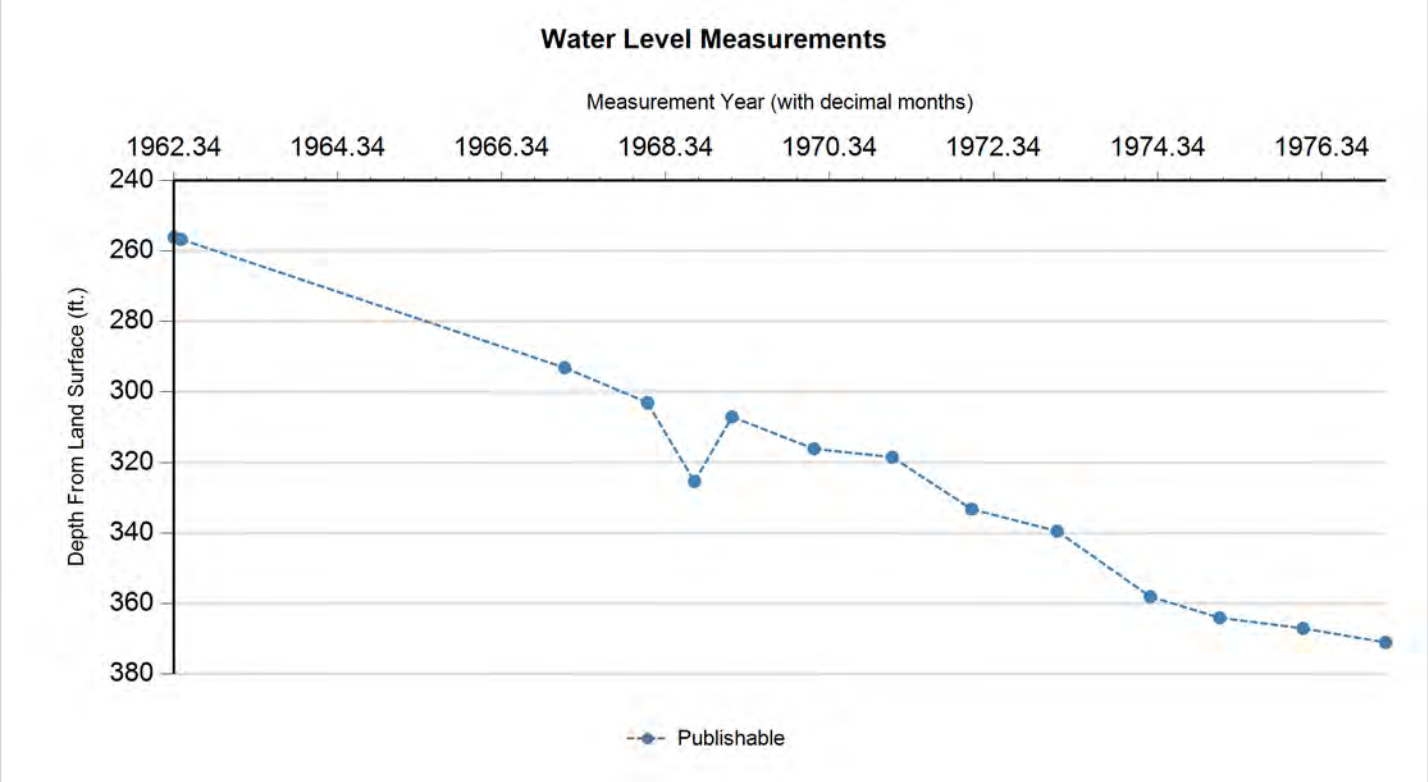
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/6/1962		256.2		-207.2	1	Registered Water Well Driller	Unknown		
P	6/6/1962		256.73	0.53	-207.73	1	U.S. Geological Survey	Steel Tape		
P	6/7/1962		256.73	0.00	-207.73	1	U.S. Geological Survey	Steel Tape		
P	2/10/1967		293.2	36.47	-244.2	1	U.S. Geological Survey	Steel Tape		
P	2/14/1968		303.08	9.88	-254.08	1	U.S. Geological Survey	Steel Tape		
P	9/13/1968		325.29	22.21	-276.29	1	U.S. Geological Survey	Steel Tape		
P	2/25/1969		306.97	(18.32)	-257.97	1	U.S. Geological Survey	Steel Tape		
P	2/25/1970		316.03	9.06	-267.03	1	U.S. Geological Survey	Steel Tape		
P	2/9/1971		318.42	2.39	-269.42	1	U.S. Geological Survey	Steel Tape		
P	1/27/1972		333.17	14.75	-284.17	1	U.S. Geological Survey	Steel Tape		
P	2/12/1973		339.39	6.22	-290.39	1	U.S. Geological Survey	Steel Tape		
P	4/2/1974		358	18.61	-309	1	U.S. Geological Survey	Air Line		
P	2/6/1975		364	6.00	-315	1	U.S. Geological Survey	Air Line		
P	2/12/1976		367	3.00	-318	1	U.S. Geological Survey	Air Line		
P	2/15/1977		371	4.00	-322	1	U.S. Geological Survey	Air Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 6/6/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		239.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		300	ug/L	
00910	CALCIUM (MG/L)		24	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.6	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		88	mg/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.01		
00955	SILICA, DISSOLVED (MG/L AS SI02)		21	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		4.67		
00932	SODIUM, CALCULATED, PERCENT		70	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		101	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		574	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		350	mg/L	

Water Quality Analysis

Sample Date: 3/15/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		506	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 7/30/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		66	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/18/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		490	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/16/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		117	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		486	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/15/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		137	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		470	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/18/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		106	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		542	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/18/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.31	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		270	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		104	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		553	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/10/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 1/25/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		492	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/14/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		100	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		516	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/25/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		535	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/6/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		571	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/10/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.31	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		270	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		573	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		215.57	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		263	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		535	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-306

Water Quality Analysis

Sample Date: 2/14/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		227.87	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		278	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		573	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		13	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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WRD Exp. (GW)
April 1966

Well No. LJ-65-21-307

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

-0-

MASTER CARD

Record by S.D. McAdoo N.A. Rose 1941 — Source of data File — Date 1-22-68 — Map Bellaire 1955 1:24000

State Texas [4 8] — County (or town) Harris [L J]

Latitude: 29 42 50 N (deg, min, sec) — Longitude: 095 23 42 (degrees, min, sec) — Sequential number: 1

Lat-long accuracy: 1 — T. ___ N S, R ___ E W, Sec ___, ___ ¼, ___ ¼, ___ ¼

Local well number: LJ-65-21-307 — Other number: B & M #773

Local use: — Owner or name: Hermann Hospital

Owner or name: HERMANN HOSPITAL — Address: Houston, Texas

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other destroyed 1973 — T P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W Z

DATA AVAILABLE: Well data 1 — Freq. W/L meas.: Annual 1953 — 73 — A — Field aquifer char.

Hyd. lab. data: drop MIS 9-73

Qual. water data; type:

Freq. sampling: none — Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: D-Log — D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 417 ft [417] — Meas. rept Driller accuracy — 3

Depth cased: (first perf.) 366 ft [366] — Casing type: S; Diam. 10 3/4-5 in [10]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: Aug 1937 [937] — Pump intake setting: ___ ft

Driller: Layne-Texas Co. (name), Houston, Texas (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T — Deep Shallow — D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 25 — V — Trans. or meter no.

Descrip. MP ___ ft above below LSD, Alt. MP

Alt. LSD: 45 [45] — Accuracy: (source) Topo 5' — 3

Water Level ___ ft above below MP; Ft above below LSD — Accuracy:

Date meas: — Yield: 260 gpm [260] — Method determined

Drawdown: 36 ft [36] — Accuracy: 1937 rept — Pumping period ___ hrs

QUALITY OF WATER DATA: Iron ___ ppm — Sulfate ___ ppm — Chloride ___ ppm — Hard. ___ ppm

Sp. Conduct ___ K x 10^6 — Temp. ___ °F — Date sampled

Taste, color, etc.

Well No. LJ-65-21-307

Well No. LJ-65-21-307

Latitude-longitude 29, 42, 50 (N) 095, 23, 42.1 (W)
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD [1–19] Physiographic Province: Coastal Plain [20–21] Section: West

C C D [22] E Drainage Basin: [23–25] 5 1 R Subbasin: [26]

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [27]

MAJOR AQUIFER: ____ system, ____ series [28–29] ____ aquifer, formation, group [30–31] CL

Lithology: ____ [32–33] Origin: ____ [34] Aquifer Thickness: ____ ft

[35–37] Length of well open to: 49 ✓ ft [38–40] 4 9 Depth to top of: ____ ft [41–43]

MINOR AQUIFER: ____ system, ____ series [44–45] ____ aquifer, formation, group [46–47]

Lithology: ____ [48–49] Origin: ____ [50] Aquifer Thickness: ____ ft

[51–53] Length of well open to: ____ ft [54–56] Depth to top of: ____ ft [57–59]

Intervals Screened: 366-415

Depth to consolidated rock: ____ ft [60–63] Source of data: ____ [64]

Depth to basement: ____ ft [65–68] Source of data: ____ [69]

Surficial material: ____ [70–71] Infiltration characteristics: ____ [72]

Coefficient Trans: ____ gpd/ft [73–75] Coefficient Storage: ____ [76–78]

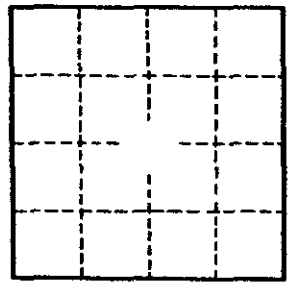
Coefficient Perm: ____ gpd/ft²; Spec cap: ____ gpm/ft; Number of geologic cards: ____ [79]

0-292' = 10 3/4" CSG

292-417 = 5" CSG.

WELL REWORKED IN 4-1-63

8" LINED INSTALLED - SAME DEPTH



Well No. LJ-65-21-307

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-307

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521307
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.714167
Latitude (degrees minutes seconds)	29° 42' 51" N
Longitude (decimal degrees)	-95.395278
Longitude (degrees minutes seconds)	095° 23' 43" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	417
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1937
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Herman Hospital
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	Screen from 366 to 415 ft. Reported yield 260 gpm with 36 ft drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

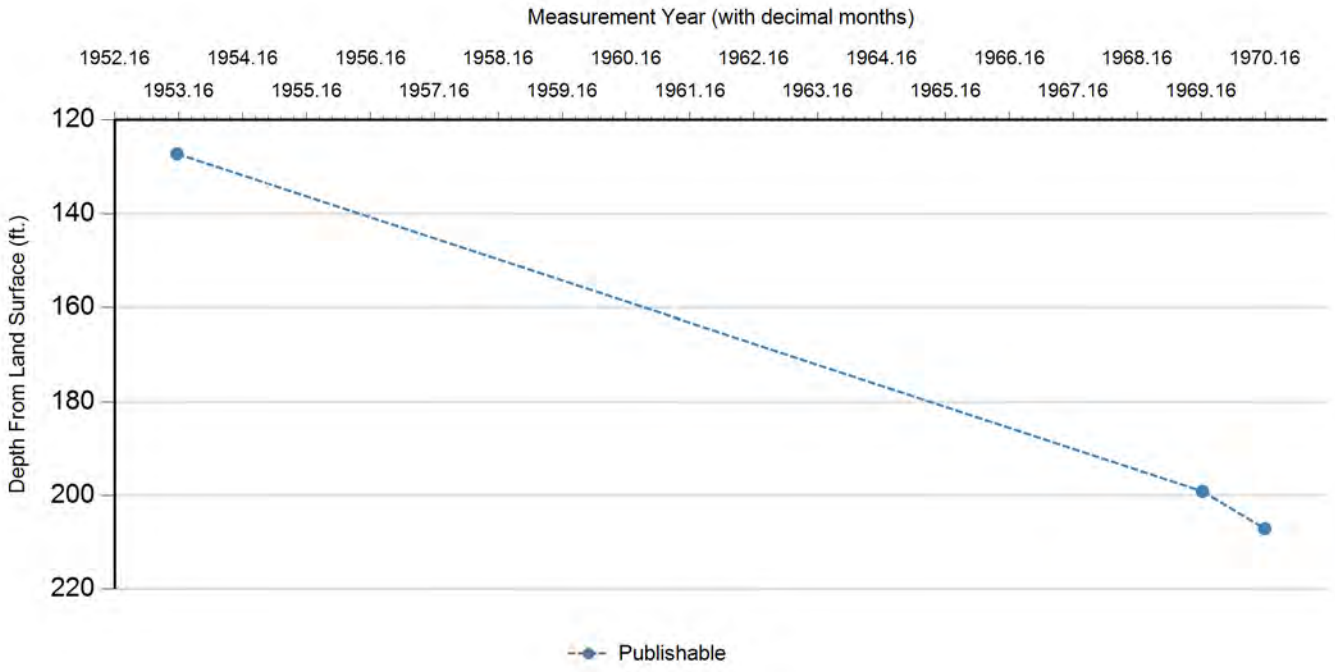
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/19/1953		127.2		-82.2	1	Registered Water Well Driller	Unknown		
P	3/7/1969		199.13	71.93	-154.13	1	U.S. Geological Survey	Steel Tape		
P	2/27/1970		207.1	7.97	-162.1	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-21-307

groundwater division

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6521309 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294313 **Longitude** 952237 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
City of Houston
South End #6

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled 07/24/1935 **Depth** 1796 **Source of Depth** D **Altitude** 46 **Source of Alt.**

Well Type W **User** 396200

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 2 measurements
1935 to 1964
MIN -315 MAX -96

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
346 ft of screen between 1089 and
1756 ft. Reported yield 2760 gpm
with 72 ft drawdown July 24,1936.
Well destroyed. well 6.

Aquifer - 121EVGL **ID -** 15

EVANGELINE
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-309

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521309
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.720278
Latitude (degrees minutes seconds)	29° 43' 13" N
Longitude (decimal degrees)	-95.376944
Longitude (degrees minutes seconds)	095° 22' 37" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	46
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1796
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	7/24/1935
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #6
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	346 ft of screen between 1089 and 1756 ft. Reported yield 2760 gpm with 72 ft drawdown July 24,1936. Well destroyed. well 6.

Casing - No Data

Well Tests - No Data

Lithology - No Data

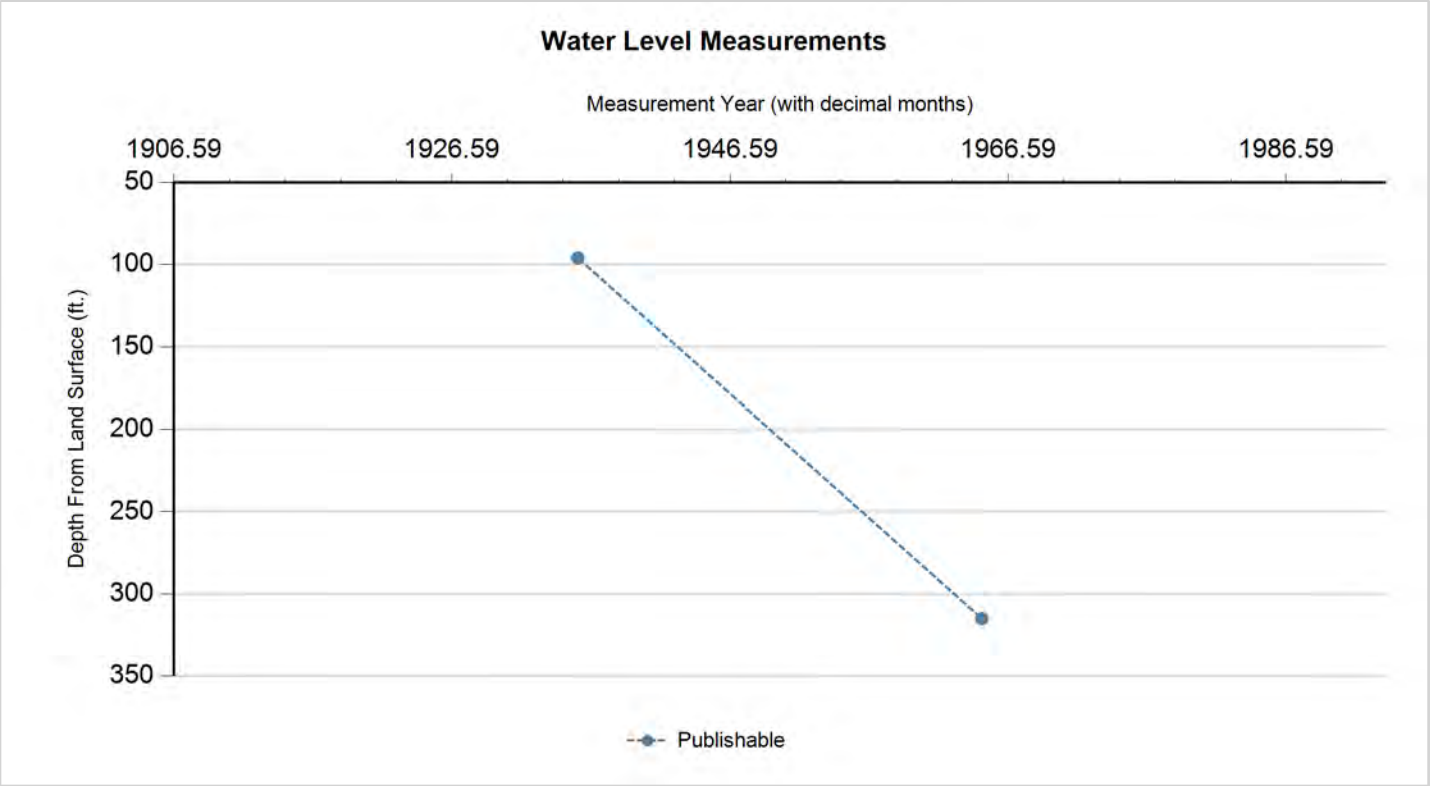
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/24/1935		96		-50	1	Registered Water Well Driller	Unknown		
P	9/14/1964		315	219.00	-269	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 3/17/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		299	mg/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.15		
00955	SILICA, DISSOLVED (MG/L AS SI02)		9	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.26		
00932	SODIUM, CALCULATED, PERCENT		88	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		130	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		353	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	

Water Quality Analysis

Sample Date: 3/9/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		296	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		610	MICR	

Water Quality Analysis

Sample Date: 3/16/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		296	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		603	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		634	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		65	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		52	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		653	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		612	MICR	

Water Quality Analysis

Sample Date: 3/7/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		613	MICR	

Water Quality Analysis

Sample Date: 2/28/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		293	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		598	MICR	

Water Quality Analysis

Sample Date: 3/4/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		592	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-309

Water Quality Analysis

Sample Date: 3/10/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		613	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6521312 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294433 **Longitude** 952401 **Source of Coords** 1

Owner's Well No. _____ **Location** _____

Owner
American Service Co.

Driller
McMasters and Pomeroy

Address _____ **Tenant/Oper.** _____

Date Drilled / /1937 **Depth** 584 **Source of Depth** **Altitude** 56 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -**

WATER LEVELS 2 measurements
1938 to 1948
MIN -117.6 MAX -71.6

Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
110 ft of screen between 334 and 584 ft. Reported yield 300 gpm with 54 ft drawdown Nov.8,1938. Well destroyed. Well 2.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-312

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521312
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7425
Latitude (degrees minutes seconds)	29° 44' 33" N
Longitude (decimal degrees)	-95.400278
Longitude (degrees minutes seconds)	095° 24' 01" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	56
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	584
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1937
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	American Service Co.
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	110 ft of screen between 334 and 584 ft. Reported yield 300 gpm with 54 ft drawdown Nov.8,1938. Well destroyed. Well 2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

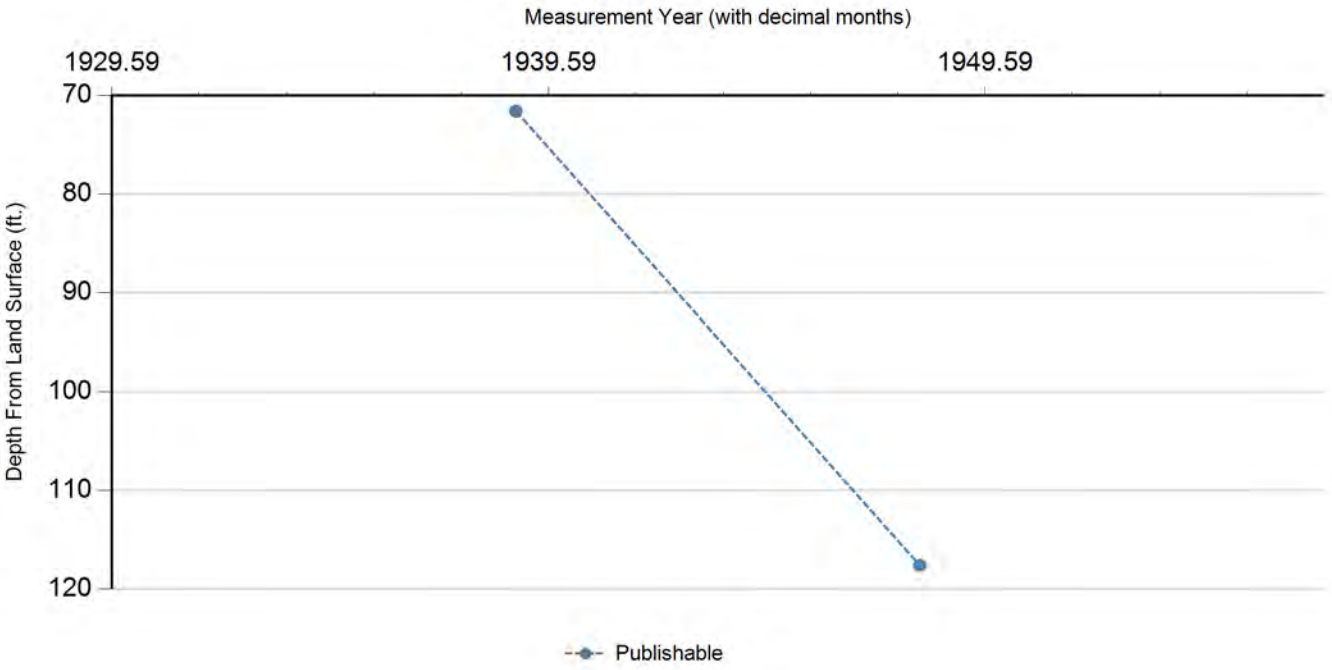
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/8/1938		71.6		-15.6	1	Texas Water Development Board	Steel Tape		
P	2/5/1948		117.6	46.00	-61.6	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-312

Water Quality Analysis

Sample Date: 2/28/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		183	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		45	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		293	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-315

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521315
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.746389
Latitude (degrees minutes seconds)	29° 44' 47" N
Longitude (decimal degrees)	-95.376667
Longitude (degrees minutes seconds)	095° 22' 36" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1416
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1930
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Shepherd Laundry
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	62 ft of screen between 1336 and 1416 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

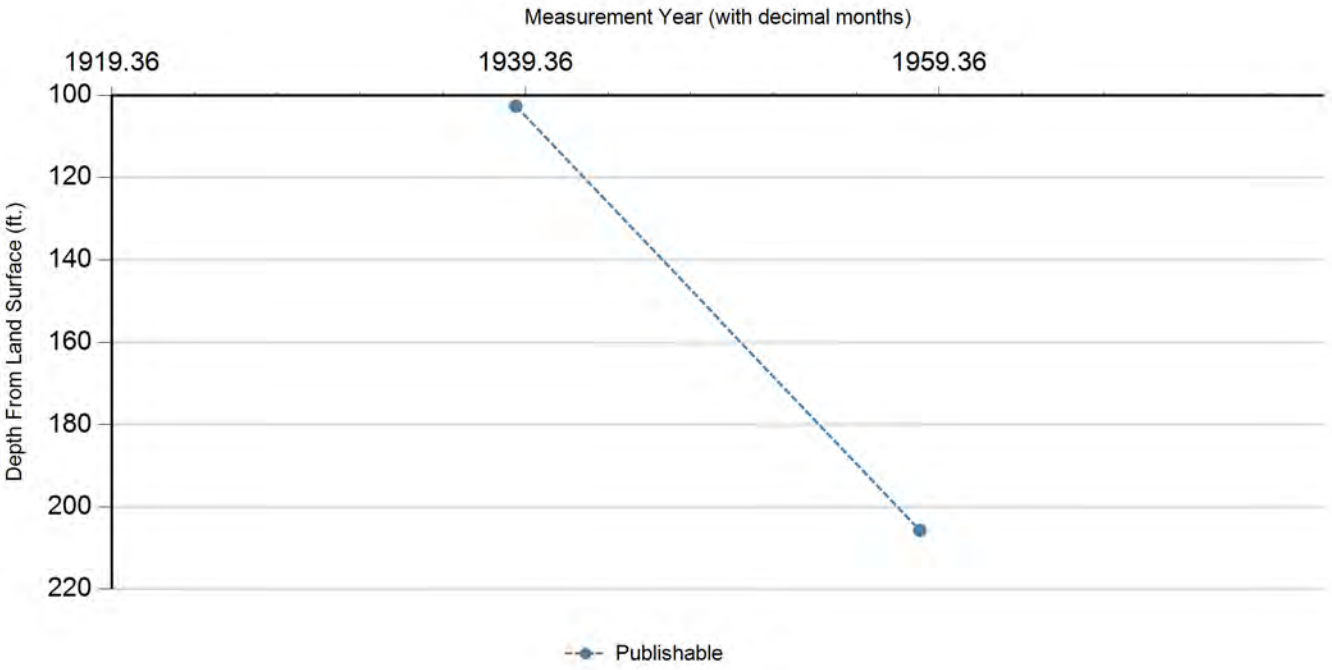
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/28/1938		102.6		-48.6	1	Texas Water Development Board	Steel Tape		
P	6/9/1958		205.7	103.10	-151.7	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 7/0/1930 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		244.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		298	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		118	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		333	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		247.54	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		302	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		53	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		122	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		339	mg/L	

Water Quality Analysis

Sample Date: 5/21/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		240.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		116	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		326	mg/L	

Water Quality Analysis

Sample Date: 2/17/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		49	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		70	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		117	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		1	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		338	mg/L	

Water Quality Analysis

Sample Date: 1/31/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		239.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
00910	CALCIUM (MG/L)		16	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00920	MAGNESIUM (MG/L)		6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.49		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.12		
00932	SODIUM, CALCULATED, PERCENT		79	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		113	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		328	mg/L	

Water Quality Analysis

Sample Date: 1/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		235.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		287	mg/L	
00910	CALCIUM (MG/L)		23	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		48	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		90	mg/L	
00920	MAGNESIUM (MG/L)		8	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.89		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		4.53		
00932	SODIUM, CALCULATED, PERCENT		70	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		99	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		321	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-315

Water Quality Analysis

Sample Date: 2/12/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		54	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-318

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521318
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.723889
Latitude (degrees minutes seconds)	29° 43' 26" N
Longitude (decimal degrees)	-95.387222
Longitude (degrees minutes seconds)	095° 23' 14" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	579
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1932
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Warwick Hotel
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	50 ft of screen between 408 and 566 ft. Reported yield 150 gpm when drilled. Test hole drilled to 579 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

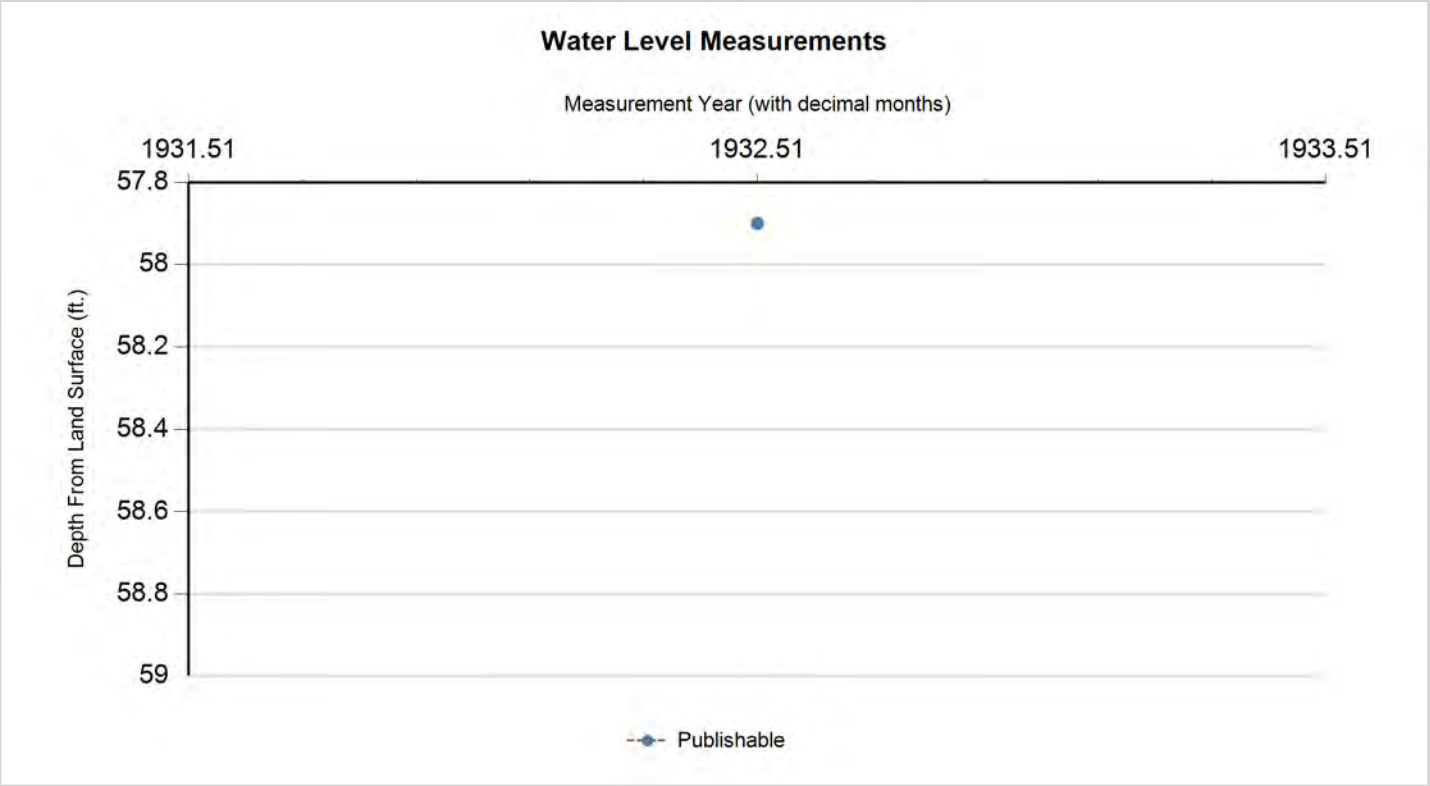
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/7/1932		57.9		-7.9	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/31/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		145	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		53	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		273	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		168.85	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		206	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		165	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		48	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		283	mg/L	

Water Quality Analysis

Sample Date: 5/24/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00910	CALCIUM (MG/L)		52	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		179	mg/L	
00920	MAGNESIUM (MG/L)		12	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.67		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.43		
00932	SODIUM, CALCULATED, PERCENT		34	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		44	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		284	mg/L	

Water Quality Analysis

Sample Date: 2/17/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.93	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		261	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		177	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		44	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		288	mg/L	

Water Quality Analysis

Sample Date: 1/29/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00910	CALCIUM (MG/L)		50	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		174	mg/L	
00920	MAGNESIUM (MG/L)		12	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.71		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.42		
00932	SODIUM, CALCULATED, PERCENT		34	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		43	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		276	mg/L	

Water Quality Analysis

Sample Date: 1/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00910	CALCIUM (MG/L)		42	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		158	mg/L	
00920	MAGNESIUM (MG/L)		13	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.03		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.69		
00932	SODIUM, CALCULATED, PERCENT		40	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		49	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		273	mg/L	

Water Quality Analysis

Sample Date: 9/9/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		144	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		485	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	

Water Quality Analysis

Sample Date: 6/30/1945 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	

Water Quality Analysis

Sample Date: 2/14/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		132	mg/L	

Water Quality Analysis

Sample Date: 2/8/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		168	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		551	MICR	

Water Quality Analysis

Sample Date: 2/24/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		160	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		506	MICR	

Water Quality Analysis

Sample Date: 3/15/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		156	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		511	MICR	

Water Quality Analysis

Sample Date: 1/31/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		149	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		478	MICR	

Water Quality Analysis

Sample Date: 1/29/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		146	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		481	MICR	

Water Quality Analysis

Sample Date: 3/9/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		249	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		140	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		473	MICR	

Water Quality Analysis

Sample Date: 3/1/1955 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	

Water Quality Analysis

Sample Date: 2/28/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		22	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		138	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		481	MICR	

Water Quality Analysis

Sample Date: 2/26/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	

Water Quality Analysis

Sample Date: 3/10/1958 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		490	MICR	

Water Quality Analysis

Sample Date: 4/21/1959 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		153	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		493	MICR	

Water Quality Analysis

Sample Date: 3/16/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		488	MICR	

Water Quality Analysis

Sample Date: 4/19/1961 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		145	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		484	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-318

Water Quality Analysis

Sample Date: 3/26/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		157	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		504	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-319

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521319
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.723333
Latitude (degrees minutes seconds)	29° 43' 24" N
Longitude (decimal degrees)	-95.390278
Longitude (degrees minutes seconds)	095° 23' 25" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1394
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	3/0/1917
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #1
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-319

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No LJ-65-21-320

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) NAR (1941)

Record by P.L. (1-13-31) Source of data FILES Date 2-21-68 Map Bellaire 1955 1:24000

State Texas 48 County (or town) Harris LJ

Latitude: 29 43 21 N Longitude: 095 23 25 Sequential number: 1

Lat-long accuracy: 1 T. ____ S, R ____ W, Sec ____, ____, ____, ____

Local well number: LJ-65-21-320 Other number: B & H Southend #5 (793)

Local use: ____ Owner or name: City of Houston

Owner or name: City of Houston Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ M

Use of water: (A) Air cond, (B) Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Mnd, Ind, P S, Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, Recharge, (W) Desal-P S, (X) Desal-other, (H) Other Well cured 1969 U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed X 1973

1932-1969

DATA AVAILABLE: Well data Q Freq. W/L meas.: Semiannual S Field aquifer char. ____

Byd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 3-29-38 I Pumpage inventory: yes / no, period: ____

Aperture cards: ____ yes

Log data: ____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1618 ft 1618 Meas. Rept 6

Depth cased: (first perf.) 1275 ft 1275 Casing type: S ; Diam. 24-12 in Accuracy 5 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open and, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (B) other G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (B) other H1

Date Drilled: July-1931 31 Pump intake setting: ____ ft

Driller: Layne-Texas Co. Houston, Tex.

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, same (cent.), (M) multiple, address (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (E) other N Deep / Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat / LP; H.P. 200HP T-E formerly Trans. or meter no. ____

Descrip. MP ____ ft above / below LSD. Alt. MP ____

Alt. LSD: 51' 51 Accuracy: (source) 5' TOPO 3

Water Level 70 ft above / below MP; Ft above / below LSD ____ Accuracy: rept. D

Date meas: Jan. 32 Yield: 1880 gpm 1880 Method determined ____

1-1942

Drawdown: ____ ft Accuracy: Rept 3 Pumping period ____ hrs

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Taste, color, etc. ____

Well No. LJ-65-21-320

Well No. LJ-6[illegible]21-320

Latitude-longitude 29 d 43 m 21 s 095 d 23 m 25 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) | Physiographic Province: COASTAL PLAINS [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [511R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Ø) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 260 ft ✓ [260] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

Intervals Screened: 1275–1296, 1333–1433, 1455–1594

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

300' – 24" csg.

4-9-73
Well filled with 49 yards of chlorinated sand and capped with 5½ yds. of cement
Info. from City

Well No. LJ-65-21-320

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-320

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521320
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7225
Latitude (degrees minutes seconds)	29° 43' 21" N
Longitude (decimal degrees)	-95.389445
Longitude (degrees minutes seconds)	095° 23' 22" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1618
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1931
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #5
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	260 ft of screen between 1275 and 1594 ft. Reported yield 1880 gpm Jan. 1942. Well 5.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

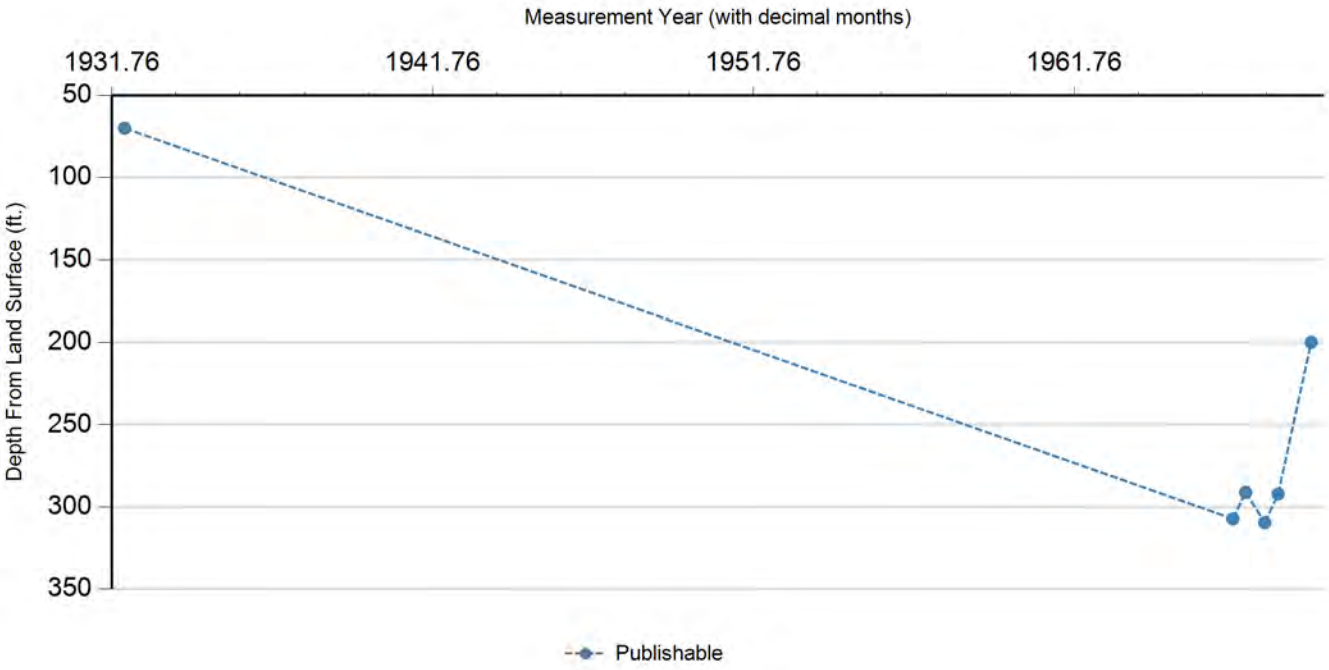
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/0/1932		70		-19	1	Texas Water Development Board	Steel Tape		
P	9/20/1966		307.2	237.20	-256.2	1	U.S. Geological Survey	Steel Tape		
P	2/10/1967		291.09	(16.11)	-240.09	1	U.S. Geological Survey	Steel Tape		
P	9/18/1967		309.51	18.42	-258.51	1	U.S. Geological Survey	Steel Tape		
P	2/15/1968		292.13	(17.38)	-241.13	1	U.S. Geological Survey	Steel Tape		
P	2/25/1969		199.9	(92.23)	-148.9	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 3/29/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		227.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		277	mg/L	
00910	CALCIUM (MG/L)		14	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.67		
00955	SILICA, DISSOLVED (MG/L AS SI02)		9	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.48		
00932	SODIUM, CALCULATED, PERCENT		85	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		113	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		317	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-320

Water Quality Analysis

Sample Date: 4/10/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		210.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		257	mg/L	
00910	CALCIUM (MG/L)		16	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		58	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3		
00955	SILICA, DISSOLVED (MG/L AS SI02)		19	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		5.37		
00932	SODIUM, CALCULATED, PERCENT		77	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		96	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		515	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		303	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-321

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521321
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.723333
Latitude (degrees minutes seconds)	29° 43' 24" N
Longitude (decimal degrees)	-95.388611
Longitude (degrees minutes seconds)	095° 23' 19" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	777
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1919
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #4
Driller	Layne Bowler
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	237 ft of screen between 260 and 776 ft. Reported yield 800 gpm Jan 1942. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

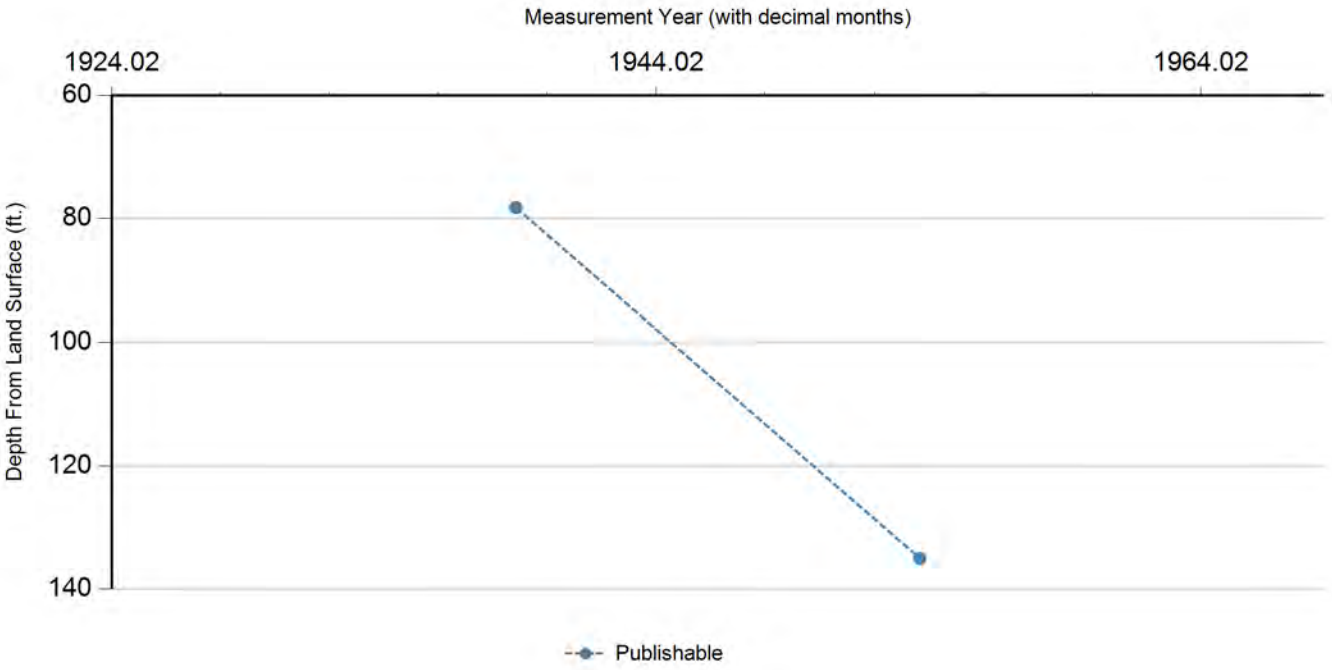
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/16/1938		78.2		-28.2	1	Texas Water Development Board	Steel Tape		
P	9/18/1953		135	56.80	-85	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 5/24/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216.39	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		264	mg/L	
00910	CALCIUM (MG/L)		47	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		146	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.4		
00955	SILICA, DISSOLVED (MG/L AS SI02)		8	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.2		
00932	SODIUM, CALCULATED, PERCENT		47	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		61	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		300	mg/L	

Water Quality Analysis

Sample Date: 3/23/1948 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		131.15	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		160	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		99	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		526	MICR	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-321

Water Quality Analysis

Sample Date: 2/8/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		173.77	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		212	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		155	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		514	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 322 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 23 Longitude - 95 23 02 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
South End #2

Driller - Layne Bowler Co

Address _____ Tenant/Oper. _____
Date Drilled - / /1917 Depth - 830 ft. Source of Depth - Altitude - 50 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 00/00/1917 Measurement- -29.00
Date- 03/07/1955 Measurement- -183.50

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
260 ft of screen between 489 and
824 ft. Reported yield 710 gpm in
in 1941. Test hole drilled to 1325
ft. Well destroyed. Well 2.

Aquifer - 121EVGL
Well No. - 65 21 322

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-322

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521322
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.723333
Latitude (degrees minutes seconds)	29° 43' 24" N
Longitude (decimal degrees)	-95.384167
Longitude (degrees minutes seconds)	095° 23' 03" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	830
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1917
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #2
Driller	Layne Bowler Co
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	260 ft of screen between 489 and 824 ft. Reported yield 710 gpm in in 1941. Test hole drilled to 1325 ft. Well destroyed. Well 2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

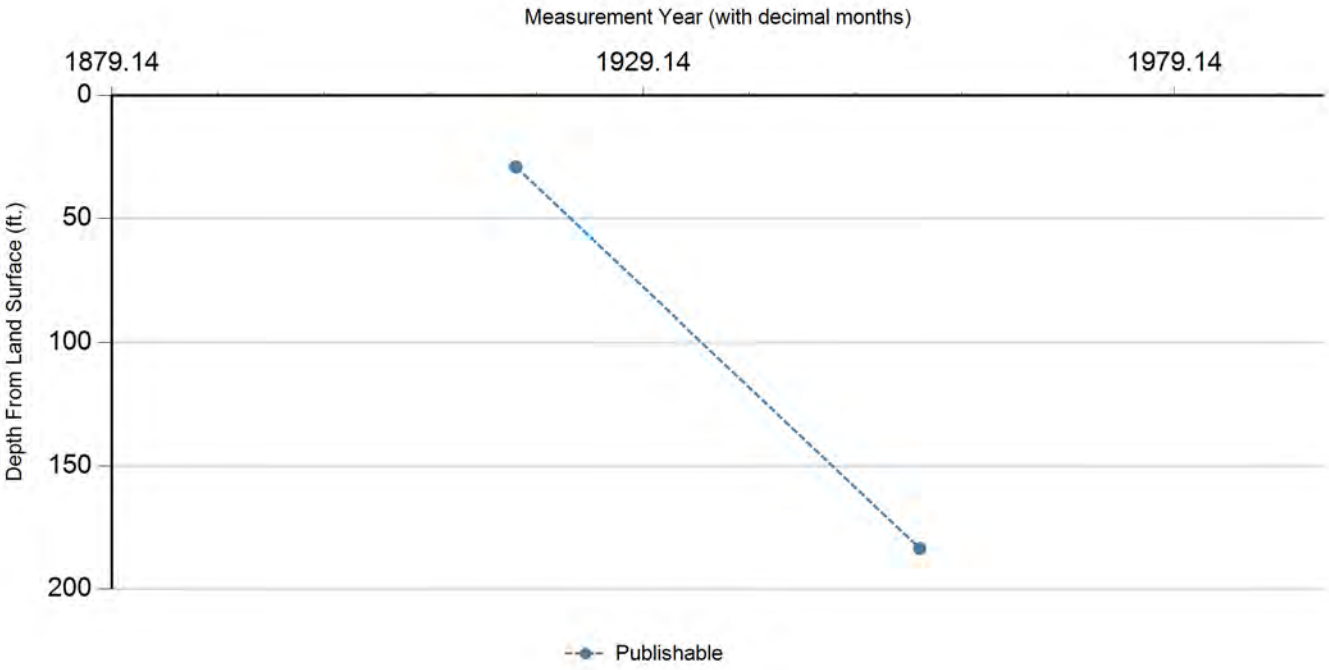
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-322

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1917		29		21	1	Registered Water Well Driller	Unknown		
P	3/7/1955		183.5	154.50	-133.5	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 3/17/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00910	CALCIUM (MG/L)		33	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		95	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		2000	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.2		
00955	SILICA, DISSOLVED (MG/L AS SI02)		10	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.62		
00932	SODIUM, CALCULATED, PERCENT		65	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		81	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		25	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		304	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-322

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		242	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		136	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		536	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-323

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521323
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.723333
Latitude (degrees minutes seconds)	29° 43' 24" N
Longitude (decimal degrees)	-95.390278
Longitude (degrees minutes seconds)	095° 23' 25" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1127
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1919
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #3
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-324

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521324
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.721944
Latitude (degrees minutes seconds)	29° 43' 19" N
Longitude (decimal degrees)	-95.399167
Longitude (degrees minutes seconds)	095° 23' 57" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	910
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1910
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Rice University
Driller	Layne Bowler
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	Screen from 847 to 903 ft. Well destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

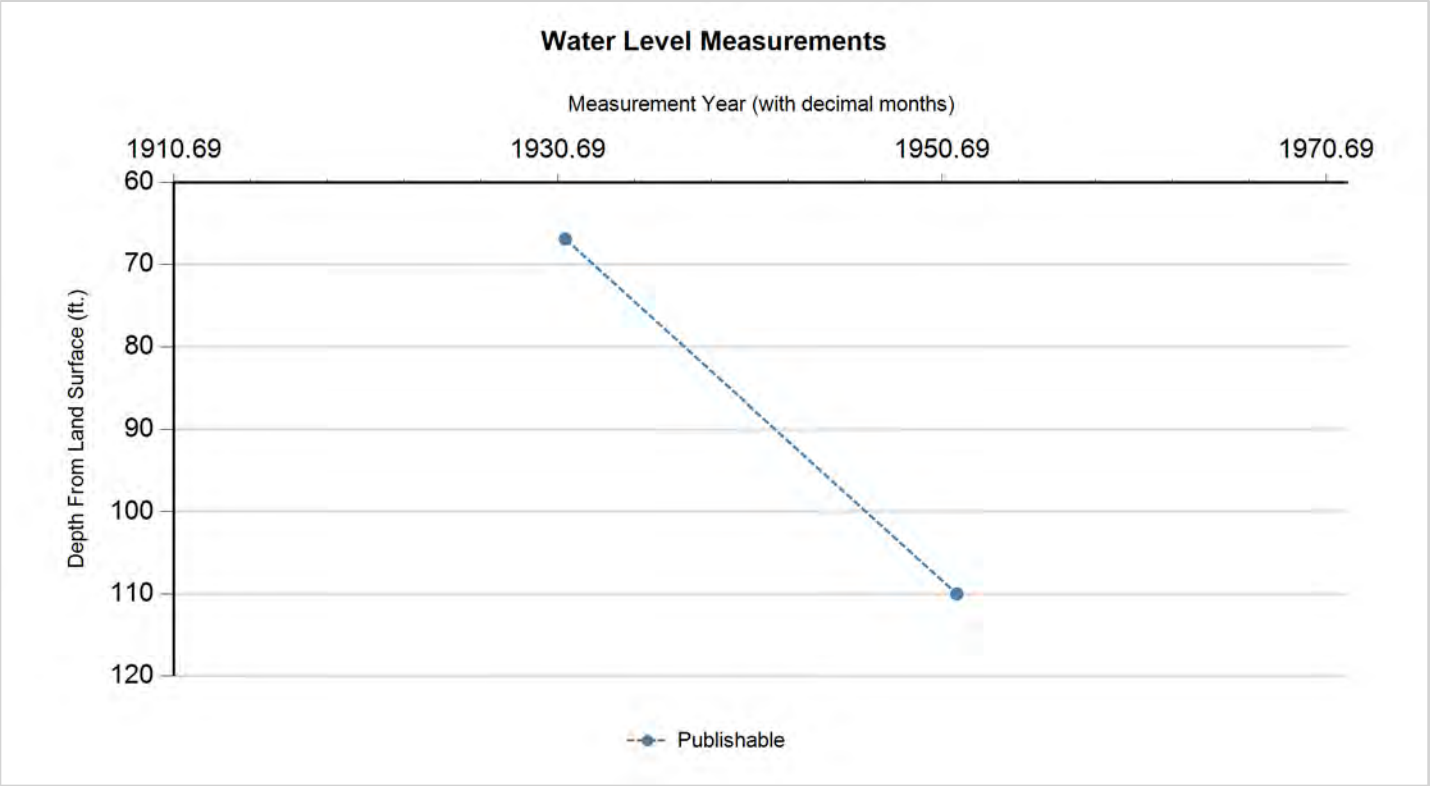
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/24/1931		66.9		-14.9	1	Texas Water Development Board	Steel Tape		
P	6/12/1951		110	43.10	-58	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-324

Water Quality Analysis

Sample Date: 1/20/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		24	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		99	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		67	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		257	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-326

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521326
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.738611
Latitude (degrees minutes seconds)	29° 44' 19" N
Longitude (decimal degrees)	-95.408889
Longitude (degrees minutes seconds)	095° 24' 32" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	57
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	648
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1964
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Admiral Linen Co.
Driller	B. J. Swinehart Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: 50 ft. of screen between 486 and 648 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

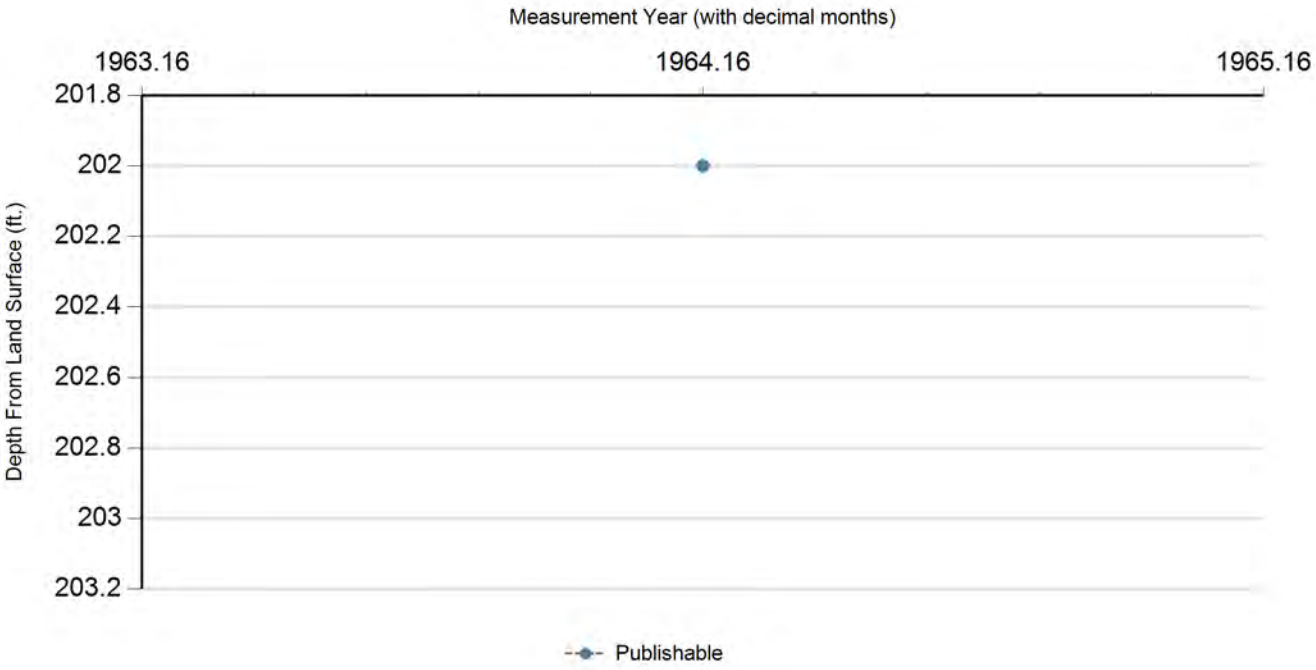
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	0/0/1964		202		-145	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-326

Water Quality Analysis - No Data Available

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WRD Exp. (CW)
April 1966

Well No. LJ-65-21-327

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

-D-

MASTER CARD (T. BROWN)

1:24000

Record by W.L.N. (4-26-65) Source of data FILES Date 2-21-68 Map Bellaire 1955

State Texas [48] County (or town) Harris [LJ]

Latitude: 29°43'02"N Longitude: 095°23'43" Sequential number: [1]

Lat-long accuracy: [1] T. ____ S, R ____ W, Sec ____, ____ ft, ____ ft, ____ ft ____

Local well number: LJ-65-21-327 Other number: B & H Southend #12

Local use: ____ Owner of name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: HERMANN PARK

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mfd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data [1] Freq. W/L meas.: 1965 -- Annual [A] Field aquifer char. [ ]

Hyd. lab. data: ____ [ ]

Qual. water data; type: ____ [ ]

Freq. sampling: 4-26-65 [A] Pumpage inventory: yes / no, period: ____ [ ]

Aperture cards: ____ yes [ ]

Log data: E-LOG AA-60 TO 2,250' [E]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1,955 ft [1955] Meas. / rept Driller accuracy [3]

Depth cased: (first perf.) 705 ft [705] Casing type: S ; Diam. 24-12 in [24]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other ____ [G]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other ____ [H]

Date Drilled: APR-1965 [965] Pump intake setting: ____ ft [ ]

Driller: KATY DRILLING CO. (name), KATY, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) nose, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [T] Deep / Shallow [D]

Power (type): diesel, elec, nat gas, gasoline, hand, gas, wind; LP H.P. ____ [5] Trans. or meter no. ____

Descrip. MP TOP OF STEEL "I" BEAM 1.5 ft above / below LSD Alt. MP 55.5'

Alt. LSD: 50 [50] Accuracy: (source) 5' TOPO [3]

Water Level 291.81 ft above / below MP; ft above / below LSD [290] Accuracy: MEAS [A]

Date meas: 4-25-65 [4-25-65] Yield: 3002 gpm [3002] Method determined [4]

Drawdown: P.I. 384.06 9225 ft [92] Accuracy: MEAS. [0] Pumping period 24 hrs [24]

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. 84 °F [84] Date sampled 4-26-65

Taste, color, etc. ____

Well No. LJ-65-21-327

Well No. LJ-65-21-327

Latitude-longitude 29 , 43 , 02 (N) S 095 , 23 , 43
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS 0 3 (20–21) Section:

F (22) Drainage Basin: 5 1 R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31) ✓

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: 400 ft 4 0 0 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

*Intervals Screened: 705-720 (15), 750-770 (20), 800-810 (10), 845-855 (10), 950-960 (10), 980-990 (10), 1025-1035 (10)

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: ✓ gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: ✓ gpd/ft^2; Spec cap: ✓ gpm/ft; Number of geologic cards: (79)

CASINGS:
590' OF 24"
490 - 1955 = 12 3/4"

SCREENS:
1070 - 1085 - 15
1105 - 1120 - 15
1140 - 1150 - 10
1195 - 1225 - 30
1315 - 1325 - 10
1380 - 1405 - 25
1410 - 1425 - 15
1450 - 1465 - 15
1485 - 1510 - 25
1545 - 1560 - 15
1570 - 1580 - 10
1610 - 1650 - 40
1660 - 1675 - 15
1700 - 1745 - 45
1790 - 1800 - 10
1920 - 1940 - 20
1955 - BOTTOM

ONE HOUR RECOVERY TEST
9-12-68
GPM = 2100
PL = 375 } M.P. = +2.0
SL = 316
T = 143,000
SP. CAP. = 36

Well No. LJ-65-21-327

GPO 857-700

(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

020993

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 43 02	095 23 43	01

County code 201 County Harris
Well # LJ-65-21-327
Project number 7-4648-0000
Date 2-16-77 Time ____ Temp°C 26.5
Owner City of Houston
Address South End #12
Date drld 1965 WBF code ____
Sample interval: (top) 705 (bottom) 1940
Water level ____ Appr Year Use PS
Collector Butler Yield ____ GPM
Smpld aftr pmpg ____ Depth ____
Pt of coll Tap on discharge
Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors
Nutrients MBAS BOD TOC DOC
Std chem schedule I
Other ____
Herbicide ____ Insecticide ____
Remarks:

Type 2 (1) Station identification number 29430209523430 1 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7050	03	
Sample interval BOTTOM	72016	1940	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2650	02		26.5
pH	00400	8000	01		8.0
Specific conductance	00095	5230	03		523
HCO_3	00440	2600	03		260
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3400	02		34
Sulfate (SO_4)	00945	1400	02		14
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

Austin, Texas

Latitude (° ' ")	Longitude (° ' ")	Seq. No.
29 43 02	095 23 43	01

County code LJ 201 County Harris

Well # LJ-65-21-327

Project number 5-4648-01000

Date 2-4-75 Time _____ Temp °C 27.5

Owner City of Houston

Address Southend #12

Date drld 5-65 WBF code 12 | EVGL

Sample interval: (top) 705 (bottom) 1940

Water level _____ Appr _____ Use PS

Collector Naftel Yield _____ GPM

Smpld aftr pmpg on arrival Depth 1955

Pt of coll faucet on pipe

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO4

Other _____

Herbicide _____ Insecticide _____

Remarks:

Type 2 (1)

Station identification number 29 43 02 095 23 43 01 (2–16)

Y M D: 75 02 07 (17–22) Begin

Time of measurement: _____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1955	01	
Yield (GPM)	00059			
Sample interval TOP	72015	7050	03	
Sample interval BOTTOM	72016	1940	01	

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		
pH	00400	7400	01		7.4
Specific conductance	00095	5730	03		573
HCO_3	00440	2700	03		270
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4200	02		42
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Austin, Texas

Latitude ° ' " | Longitude ° ' " | Seq. No.

29 43 02 | 095 23 43 | 01

unty code 101 County HARRIS

Well # LJ 65-21-327

Project number T4648-01000

Date 9-23-76 Time 1230 Temp°C 27.5

Owner CITY OF HOUSTON

Address SOUTH END #12

Date drld 4-1965 WBF code EVGLL

Sample interval: (top) 705 (bottom) 1940

Water level 412 Appr CLEAN Use P.S.

Collector BEZANT Yield 1333 GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON DISCH PIPE

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

d chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

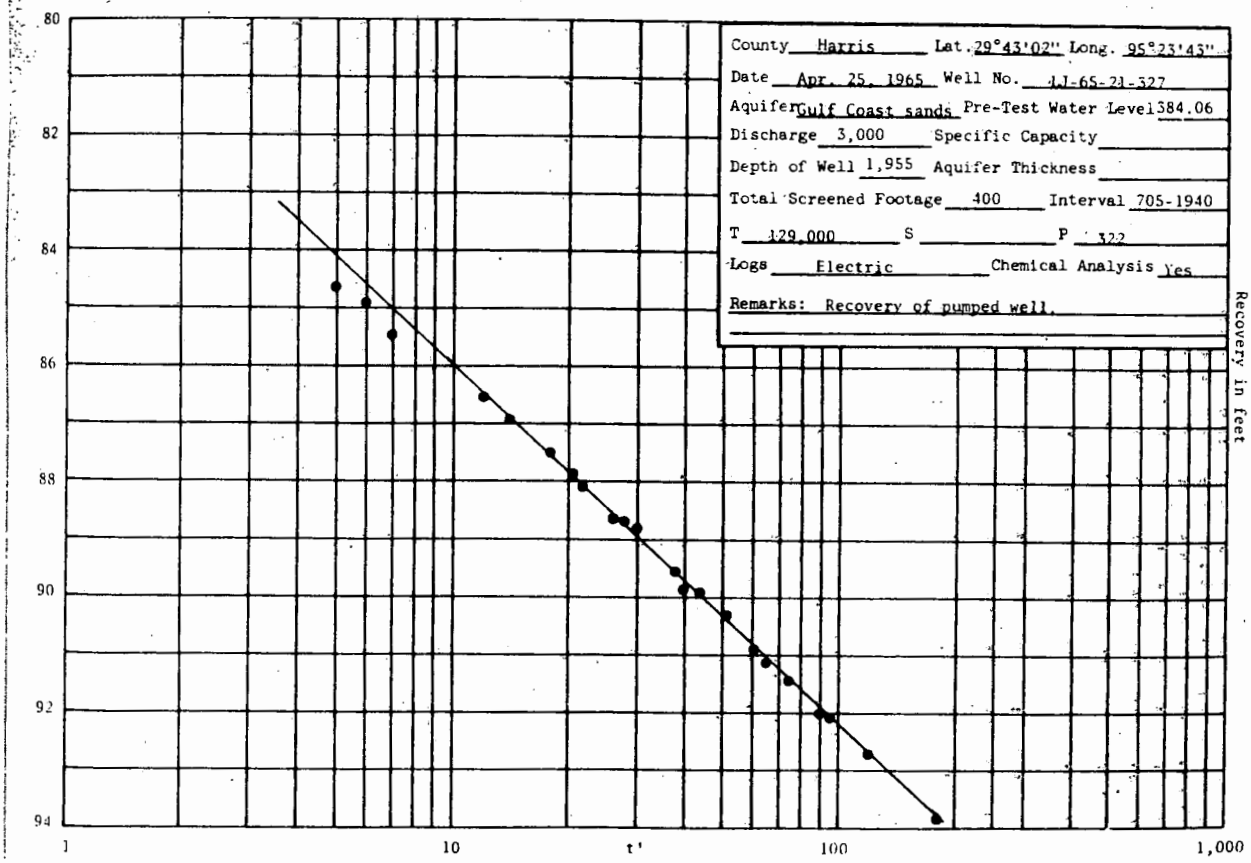
Type 2 (1) | Station identification number 29430209523430 1 (2–16)

Y M D: 76 09 23 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7050	03	
nple ...terval BOTTOM	72016	1940	04	
...ter level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2750	02		27.5
pH	00400	7800	01		7.8
Specific conductance	00095	5120	03		512
HCO_3	00440	2560	03		256
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3200	02		32
Sulfate (SO_4)	00945	1500	02		15
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				


80
82
84
86
88
90
92
94
1
10
t'
100
1,000
Recovery in feet
County Harris Lat. 29°43'02" Long. 95°23'43"
Date Apr. 25, 1965 Well No. LJ-65-21-327
Aquifer Gulf Coast sands Pre-Test Water Level 384.06
Discharge 3,000 Specific Capacity
Depth of Well 1,955 Aquifer Thickness
Total Screened Footage 400 Interval 705-1940
T 129,000 S P 322
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-327

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521327
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7175
Latitude (degrees minutes seconds)	29° 43' 03" N
Longitude (decimal degrees)	-95.395556
Longitude (degrees minutes seconds)	095° 23' 44" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1955
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	4/0/1965
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston South End #12
Driller	Katy Drilling
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/21/1968
Last Update Date	7/15/2010

Remarks	Reported yield 3000 GPM in 1965. Aquifer test results in TWDB R-98. No test data in TWDB files. Histor- ical observation well.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	590
12	Blank	Steel			490	705
12	Screen	Steel			705	720
12	Blank	Steel			720	750
12	Screen	Steel			750	770
12	Blank	Steel			770	800
12	Screen	Steel			800	810
12	Blank	Steel			810	845
12	Screen	Steel			845	855
12	Blank	Steel			855	950
12	Screen	Steel			950	960
12	Blank	Steel			960	980
12	Screen	Steel			980	990
12	Blank	Steel			990	1025

12	Screen	Steel			1025	1035
12	Blank	Steel			1035	1070
12	Screen	Steel			1070	1085
12	Blank	Steel			1085	1105
12	Screen	Steel			1105	1120
12	Blank	Steel			1120	1140
12	Screen	Steel			1140	1150
12	Blank	Steel			1150	1195
12	Screen	Steel			1195	1225
12	Blank	Steel			1225	1315
12	Screen	Steel			1315	1325
12	Blank	Steel			1325	1380
12	Screen	Steel			1380	1405
12	Blank	Steel			1405	1410
12	Screen	Steel			1410	1425
12	Blank	Steel			1425	1450
12	Screen	Steel			1450	1465
12	Blank	Steel			1465	1485
12	Screen	Steel			1485	1510
12	Blank	Steel			1510	1545
12	Screen	Steel			1545	1560
12	Blank	Steel			1560	1570
12	Screen	Steel			1570	1580
12	Blank	Steel			1580	1610
12	Screen	Steel			1610	1650
12	Blank	Steel			1650	1660
12	Screen	Steel			1660	1675
12	Blank	Steel			1675	1700
12	Screen	Steel			1700	1745
12	Blank	Steel			1745	1790
12	Screen	Steel			1790	1800
12	Blank	Steel			1800	1955

Well Tests - No Data

Lithology - No Data

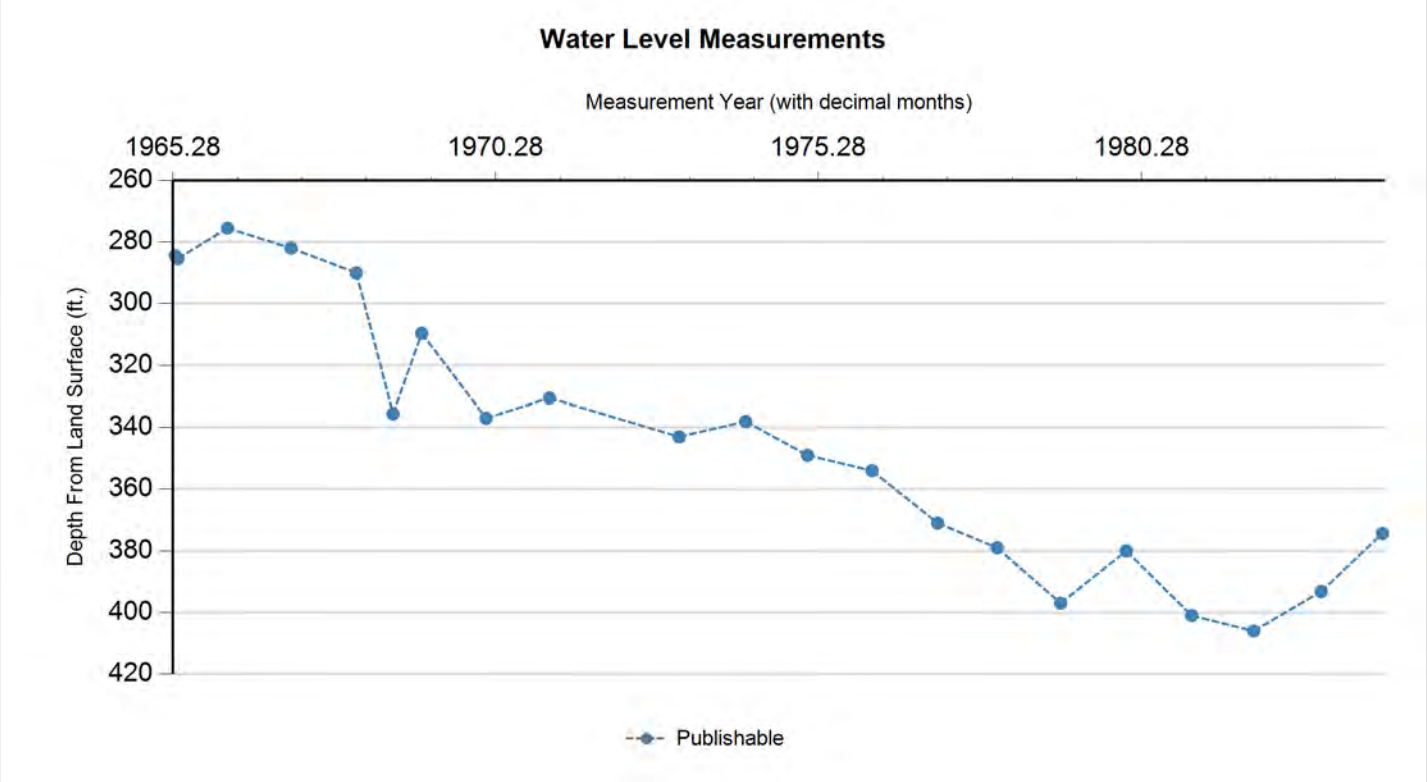
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/26/1965		284.48		-234.48	1	U.S. Geological Survey	Steel Tape		
P	5/10/1965		285.4	0.92	-235.4	1	U.S. Geological Survey	Steel Tape		
P	2/16/1966		275.5	(9.90)	-225.5	1	U.S. Geological Survey	Steel Tape		
P	2/10/1967		282	6.50	-232	1	U.S. Geological Survey	Air Line		
P	2/14/1968		290	8.00	-240	1	U.S. Geological Survey	Air Line		
P	9/12/1968		335.61	45.61	-285.61	1	U.S. Geological Survey	Steel Tape		
P	2/19/1969		309.63	(25.98)	-259.63	1	U.S. Geological Survey	Steel Tape		
P	2/18/1970		337.05	27.42	-287.05	1	U.S. Geological Survey	Steel Tape		
P	2/11/1971		330.54	(6.51)	-280.54	1	U.S. Geological Survey	Steel Tape		
P	2/14/1973		343	12.46	-293	1	U.S. Geological Survey	Air Line		
P	2/25/1974		338.06	(4.94)	-288.06	1	U.S. Geological Survey	Steel Tape		
P	2/10/1975		349	10.94	-299	1	U.S. Geological Survey	Steel Tape		
P	2/10/1976		354	5.00	-304	1	U.S. Geological Survey	Steel Tape		
P	2/16/1977		371	17.00	-321	1	U.S. Geological Survey	Steel Tape		
P	1/17/1978		379	8.00	-329	1	U.S. Geological Survey	Air Line		
P	1/11/1979		397	18.00	-347	1	U.S. Geological Survey	Air Line		
P	1/17/1980		380	(17.00)	-330	1	U.S. Geological Survey	Air Line		
P	1/22/1981		401	21.00	-351	1	U.S. Geological Survey	Air Line		
P	1/7/1982		406	5.00	-356	1	U.S. Geological Survey	Air Line		
P	1/24/1983		393.2	(12.80)	-343.2	1	U.S. Geological Survey	Steel Tape		
P	1/5/1984		374.37	(18.83)	-324.37	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/16/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		556	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/15/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		200	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		244	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		132	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		467	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 4/9/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		89	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		551	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/25/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		98	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		518	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/10/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		239.34	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		573	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 1/26/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		193.44	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		25	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		489	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/16/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		201.64	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		110	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		499	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/4/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.31	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		270	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		573	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		512	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/16/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		523	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/6/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		558	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/20/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		580	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	

Water Quality Analysis

Sample Date: 4/7/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254.1	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		310	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		560	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-327

Water Quality Analysis

Sample Date: 6/3/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		521	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6521328 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294415 **Longitude** 952456 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Preston Villa
Apartments

Driller
Lowry Water Wells

Address _____ **Tenant/Oper.** _____

Date Drilled / /1967 **Depth** 444 **Source of Depth** **Altitude** 57 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** PUBLIC SUPPLY **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1967
-211

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178: 30 ft. of screen between 404 and 444 ft.

Aquifer - 112CHCTL **ID -** 15

CHICOT
AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-328

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521328
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7375
Latitude (degrees minutes seconds)	29° 44' 15" N
Longitude (decimal degrees)	-95.415556
Longitude (degrees minutes seconds)	095° 24' 56" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	57
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	444
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1967
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Preston Villa Apartments
Driller	Lowry Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: 30 ft. of screen between 404 and 444 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

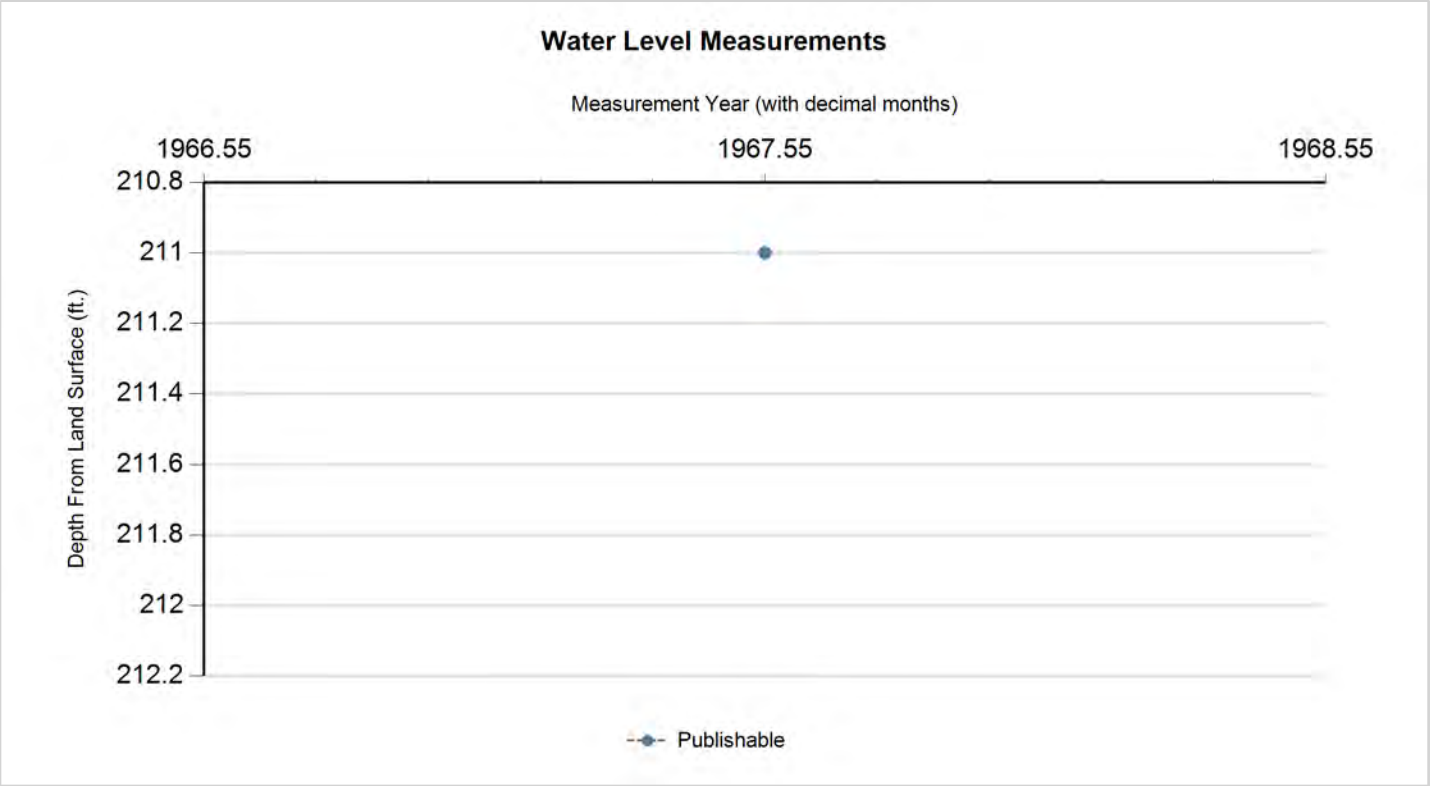
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/21/1967		211		-154	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Evangeline Project No. _____ State Well No. 65-21-329

_____ Field No./Owner's Well No. _____ County Harris

1. Location: ___¼, ___¼, Section ___, Block ___, Survey _____, Lat. _____, Long. _____

2. Owner: Rice University Address: _____

Tenant (other): _____ Address: _____

Driller: Layne Texas Address: _____

3. Land Surface Elevation: 51 ft. above msl determined by _____

4. Drilled: _____ 19 69 ; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 1650 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type I

No. Stages _____, Bowls Diam. ___ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel steam HP. ___

9. Yield: Flow ___ gpm, Pump ___ gpm, Meas., Rept., Est. ___ Date ___

10. Performance Test: Date 8/19/69 Length of Test ___ Made by L-T

Static Level 356 ft. Pumping Level ___ ft. Drawdown 77 ft.

Production 1529 gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS ___ Sp Cond ___

Date _____ Laboratory _____ TDS ___ Sp Cond ___

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) Q1471 (type)

CASING, BLANK PIPE & WELL SCREEN
Cemented From ___ ft. to ___ ft.

Diam. (in.)	Type	Setting (feet) from	Setting (feet) to
18			1334
12			1650

13. Water Level(s): _____ ft. rept. meas. _____ 19 ___ above/below _____ which is ___ ft. above/below Land Surface

_____ ft. rept. meas. _____ 19 ___ above/below _____ which is ___ ft. above/below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: _____ Source of data: _____ Date: _____

16. Remarks: _____

17. Location or Sketch:

TDWR-0308

W/L Obs. Well ___ W/Q Obs. Well ___

State Well No. 65-21-329

Q 1471

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 65-21-3G
Located on map
Received:

1) OWNER:
Person having well drilled Rice University, c/o Mr James Berling (Name) Address South Main St (Street or RFD) Houston (City) Texas (State)

Landowner (Name) Address (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County HARRIS, miles in (N.E., S.W., etc.) direction from (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.*

See attached map
Mission 60-61-9E
(Use reverse side if necessary)

or

Give legal location with distances and directions from adjacent sections or survey lines.

Labor League
Block Survey
Abstract No.
(NW¼ NE¼ SW¼ SE¼) of Section

3) TYPE OF WORK (Check): New Well, Deepening, Reconditioning, Plugging

4) PROPOSED USE (Check): Domestic, Industrial, Municipal, Irrigation, Test Well, Other

5) TYPE OF WELL (Check): Rotary, Driven, Dug, Cable, Jetted, Bored

6) WELL LOG:
Diameter of hole in. Depth drilled ft. Depth of completed well ft. Date drilled
All measurements made from ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
		See Construction Report

(Use reverse side if necessary)

9) Casing:
Type: Old, New, Steel, Plastic, Other
Cemented from ft. to ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage

10) SCREEN:
Type
Perforated Slotted

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot Size

7) COMPLETION (Check):
Straight wall, Gravel packed, Other
Under reamed, Open Hole

8) WATER LEVEL:
Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date
Depth to pump bowls, cylinder, jet, etc., ft. below land surface.

11) WELL TESTS:
Was a pump test made? Yes No If yes, by whom?
Yield: gpm with ft. drawdown after hrs.
Bailer test gpm with ft. drawdown after hrs.
Artesian flow gpm
Temperature of water

12) WATER QUALITY:
Was a chemical analysis made? Yes No
Did any strata contain undesirable water? Yes No
Type of water? depth of strata

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Wallace H. Claypool (Type or Print) Water Well Drillers Registration No. 927

ADDRESS P.O. Box 9469 (Street or RFD) Houston (City) Texas (State)

(Signed) Wallace H. Claypool (Water Well Driller) Layne Texas (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

*Additional instructions on reverse side.

TWDBE-GW-53

65-21-329
Q-1471
GM

FORM NO. 28

CLAYNE TEXAS COMPANY
HOUSTON - DALLAS

WELL LOG

REPORT NO. 8180
S. O. 06-69
PAGE 2 of 2
FILE NO. 3372
DATE 7/24/69

CUSTOMER LOCATION

FOR Rice University

LOCATION WELL South Main Street, Houston

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS Power Plant area

WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
RT C GR
TEST HOLE SIZE 9-7/8" TO 1650'
DATE STARTED DRILLING 7-14-69
DATE FINISHED DRILLING 7-16-69
DRILLER L. Luthringer RIG NO. 4
TYPE MUD Gel NO. SACKS 29
ELECTRIC LOG Yes TYPE Schlumberger
SURVEY Eastman TYPE Single-shot
OTHER C. Brewer, C.R. McFarland

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		Surface			
3	3	Top soil			
55	52	Clay			
105	50	Rocky shale			
140	35	Shale & sandy shale			
180	40	Shale			
215	35	Shale & sandy shale			
258	43	Shale			
278	20	Shale & sandy shale			
311	33	Shale			
316	5	Sand			
340	24	Sandy shale			
428	88	Sand & sandy shale			
450	22	Shale			
478	28	Sand & gravel			
555	77	Shale & sand breaks			
600	45	Hard shale			
637	37	Sand & shale breaks			
649	12	Shale			
692	43	Sandy shale			
703	11	Shale			
758	55	Sand & lime			
790	32	Shale & sandy shale			
811	21	Broken sandy shale			
838	27	Sand			
853	15	Shale			
905	52	Sand & sandy shale			
936	31	Shale			
951	15	Broken sandy shale			
967	16	Sandy shale			
999	32	Shale & sandy shale			
1016	17	Shale			
1044	28	Sand & shale			
1100	56	Shale			
1165	65	Sandy shale			
1175	10	Shale			
1195	20	Shale & sand breaks			

Attach 65-21-36 Q 1471

65-21.329

FM NO. 25

WAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO. 8180
S. O. 2-69
PAGE 2 2
FILE NO. 3372
DATE 7/24/69

WELL LOG

CUSTOMER LOCATION

FOR Rice University

LOCATION WELL South Main St., Houston

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS Power Plant area

WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
RT C GR
TEST HOLE SIZE 9-7/8" TD 1650'
DATE STARTED DRILLING 7-14-69
DATE FINISHED DRILLING 7-16-69
DRILLER Luthringer RIG NO. 4
TYPE MUD Gel NO. SACKS 29
ELECTRIC LOG Yes TYPE Schlumberger
SURVEY Eastman TYPE Single-shot
OTHER Brewer, McFarland

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
1195					
1270	75	Shale			
1312	42	Sand			
1345	33	Shale			
1371	26	Sand & sandy shale			
1376	5	Shale			
1428	52	Hard sandy shale			
1563	135	Broken sandy shale			
1615	52	Sand (broken)			
1650	35	Shale & sandy shale			

Total depth 1650 ft.

65-21-35

65-21-329

FORM NO. 1208 - IM - 8-81 - B&L

THE LAYNE TEXAS COMPANY, LTD.

HOUSTON -:- DALLAS

REPORT NO. 8182
S. O. 2606-69
PAGE 1 OF 1
FILE NO. 3372
DATE 9/2/69

MATERIAL SETTING

CUSTOMER LOCATION

FOR Rice University

LOCATION WELL Houston

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS Power Plant area

WELL DATA

NAME WELL WELL NO. 1

ELEVATION DATUM

TYPE WELL Gravel-wall

SURFACE CASING CEMENTED Yes NO. SACKS

SIZE HOLE UNDERREAMED 30" DEPTH 1334-1650'

GRAVEL TYPE 112,113, NO. CU. YDS. 98 165

TYPE SCREEN S.S. W.W. rib- GAGE .045"

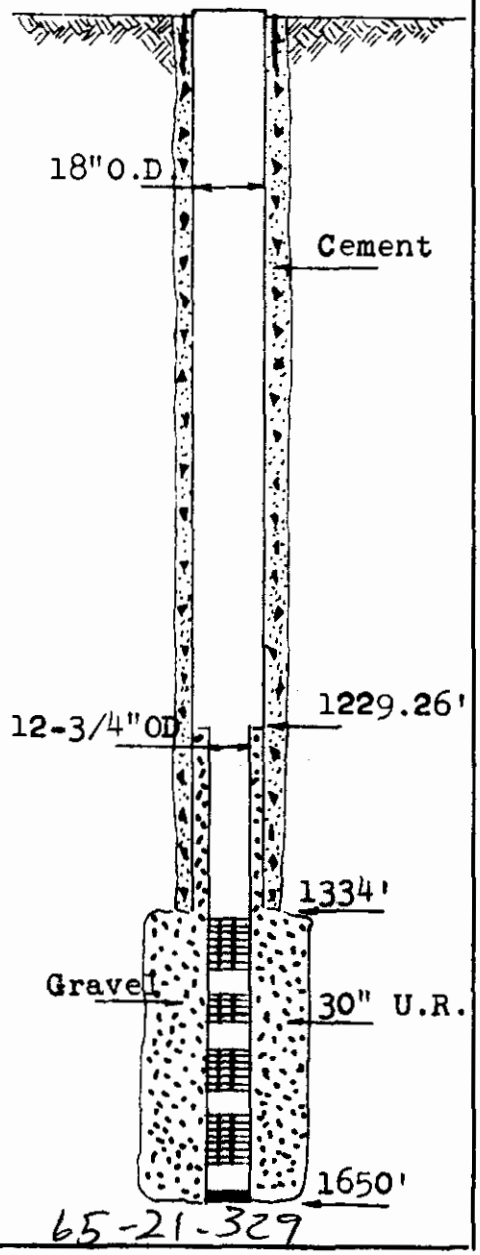
DRILLER Luthringer RIG NO. bed 4

OTHER C. Brewer & J.B. Williams

DEPTH	LENGTH	SIZE. KIND. WEIGHT MATERIAL
+2'		18" O.D. 70.59# surface casing
0		Surface
40'	40'	24" O.D. conductor pipe
1229.26'		Top of 12-3/4" O.D. liner
1334'	1336'	18" O.D. 70.59# surface casing
1339.53'	110'	12-3/4" O.D. blank liner 43.77#
1434.63'	95.10'	12-3/4" O.D. S.S. W.W. ribbed screen .045" ga.
1454.63'	20.00'	12-3/4" O.D. blank pipe 43.77#
1519.69'	65.06'	12-3/4" O.D. S.S. W.W. ribbed screen .045" ga.
1529.81'	10.06'	12-3/4" O.D. blank pipe 43.77#
1549.81'	20.00'	12-3/4" O.D. S.S. W.W. ribbed screen .045" ga.
1569.85'	20,04'	12-3/4" O.D. blank pipe 43.77#
1629.88'	60.03'	12-3/4" O.D. S.S. W.W. ribbed screen .045" ga.
1648.00'	18.12'	12-3/4" O.D. blank pipe 43.77#
1650.00'	2.00'	12-3/4" O.D. back pressure valve & set nipple

Total depth 1650 ft.

SKETCH



2488

65-21-329

65-21-329

EDNA WOOD LABOF

WATER TECHNOLOGISTS . . CHEMISTS . . MICROBIOLOGISTS

25 August 1969

To: Layne Texas Company
Houston, Texas

SO 2606-69

Sample marked: Rice University (Houston, Harris Cty, Texas) - taken 8-20-69.
Screened: 1340 - 1630'.

Received: 8-20-69

WATER ANALYSIS

results in parts per million (mg/l) except as noted

Dissolved Residue at 350°C		311	Conductance, micromhos/cm, 25°C		553
Total Dissolved Solids, actual†		432	Color, units		2
Total Dissolved Solids, calc.		465	Turbidity, units		1
Silica	SiO_2	14	As Calcium Carbonate, $CaCO_3$:		
Calcium	Ca	13	Phenolphthalein Alkalinity		0
Magnesium	Mg	4	Total Alkalinity		228
Sodium (diff.) Na + K as	Na	111	Total Hardness		48
Carbonate	CO_3	0	Free Carbon Dioxide	CO_2	3
Bicarbonate	HCO_3	278	pH . . . 8.12		
Sulfate	SO_4	7	HYPOTHETICAL COMBINATIONS		
Chloride	Cl	38			
Total Iron	Fe	0.15	Calcium Bicarbonate		53
			Magnesium Bicarbonate		23
			Sodium Bicarbonate		302
			Sodium Sulfate		11
			Sodium Chloride		62
			Silica		14
			Total Dissolved Solids, calc.		465

†Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

A-1888
lb

05-21-69

EDNA WOOD LABORATORIES

By: Edna Wood
Edna Wood
65-29-329

Tel: (713) 747-7271 • P. O. BOX 14171 • 4620 OLD SPANISH TRAIL • HOUSTON, TEXAS 77021

LAYNE TEXAS COMPANY,

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 8181
S. O. 2606-69
PAGE 1 of 1
FILE NO. 3372
DATE 9/2/69

CUSTOMER LOCATION

TEST FOR Rice University
LOCATION OF WELL Houston
SURVEY FIELD
COUNTY Harris STATE Texas
DESCRIPTION OF LAND MARKS
N.E. corner of Boiler House

WELL DATA

NAME WELL WELL NO. 1
ELEVATION DATUM
WELL SIZE 18" x12-3/4" x 30" UR
TOTAL DEPTH 1650' TOP SCREEN 1339.53'
GRAVEL WELL Yes STRAIGHT WELL
TYPE SCREEN S.S. W.W. GAGE .045" ribbed
TEMPERATURE OF WATER
WATER CONDITION Clear

WATER MEASURING DEVICE

ORIFICE SIZE 10"x8" LENGTH 4'
OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 520'
LENGTH AIR LINE 520' SIZE 1/4"
TYPE BOWL THC 14" NO. STAGES 6
LENGTH BOWL 8.90' SUCTION LT.

SAND CONTENT OZ. PER 100 GAL.

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN. 400	FT.	20 MIN. 360	FT.
10 MIN. 363	FT.	25 MIN. 360	FT.
15 MIN. 362	FT.	30 MIN. 360	FT.

S.L. before start of test 356 ft.

WATER SAMPLE TAKEN Yes NO. SAMPLES 2
BACTERIOLOGICAL SAMPLE TAKEN No
DRAWDOWN SPECIFIC CAPACITY

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
8/19/69 - Started 12 hr. test at 7:45 A.M.							L.S.L.	
8:45 AM	87	433		25	1557			
9:45	87	433		25	1557			
10:45	87	433		25	1557			
11:45	87	433		25	1557			
12:45 PM	87	433		24	1529			
1:45	87	433		24	1529			
2:45	87	433		24	1529			
3:45	87	433		24	1529			
4:45	87	433		24	1529			
5:45	87	433		24	1529			
6:45	87	433		24	1529			
7:45	87	433		24	1529			

Last Called 65-21-329

OBSERVERS

J. P. Berling
FOR OWNER

2490 L. S. Luthringer 65-21-329
FOR LAYNE TEXAS CO.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-329

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521329
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.721667
Latitude (degrees minutes seconds)	29° 43' 18" N
Longitude (decimal degrees)	-95.399445
Longitude (degrees minutes seconds)	095° 23' 58" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	51
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1650
Well Depth Source	Driller's Log
Drilling Start Date	7/14/1969
Drilling End Date	7/16/1969
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Rice University
Driller	Layne Texas
Other Data Available	Aquifer Test; Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	8/29/1969
Last Update Date	7/27/2016

Remarks	Reported yield 1529 GPM with 77 feet drawdown after 12 hours in 19- 69. Specific capacity 20 GPM/ft. Aquifer test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	40
18	Blank	Steel			0	1334
12	Blank	Steel			1229	1340
12	Screen	Stainless Steel			1340	1434
12	Blank	Steel			1434	1454
12	Screen	Stainless Steel			1454	1519
12	Blank	Steel			1519	1529
12	Screen	Stainless Steel			1529	1550
12	Blank	Steel			1550	1570
12	Screen	Stainless Steel			1570	1630
12	Blank	Steel			1630	1650

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

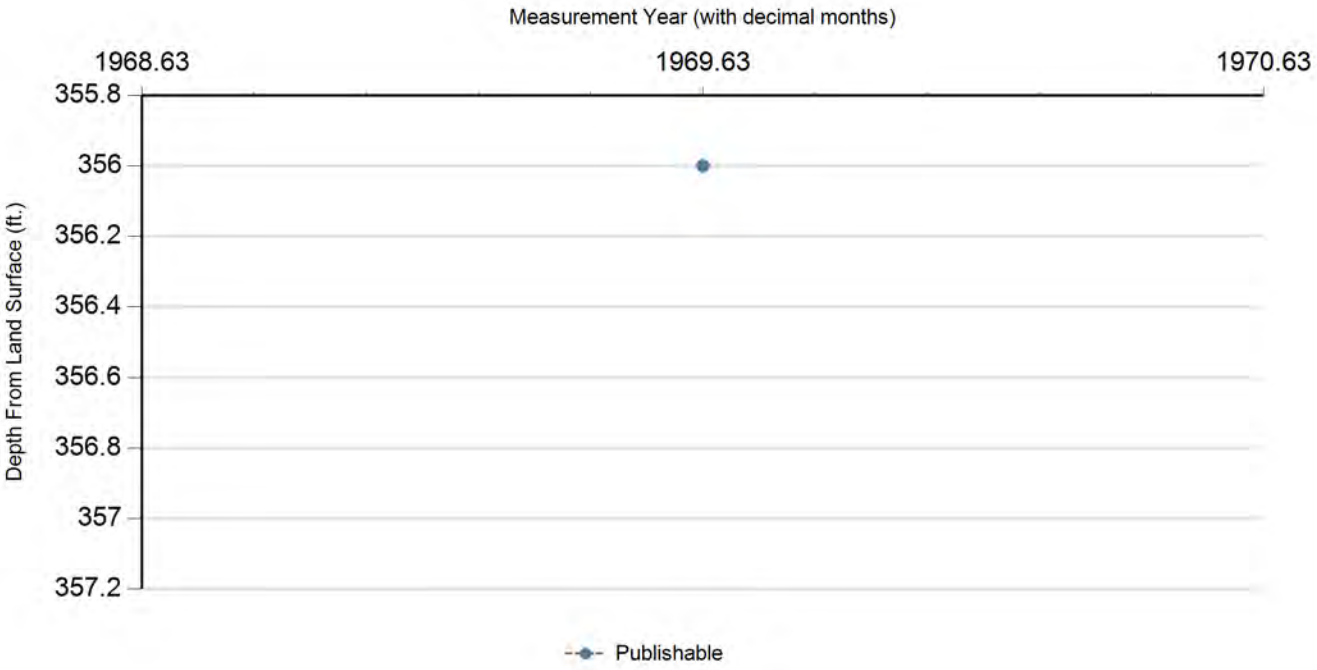
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/19/1969		356		-305	1	Registered Water Well Driller	Air Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-329

Water Quality Analysis

Sample Date: 8/20/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		227.87	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		278	mg/L	
00910	CALCIUM (MG/L)		13	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		48	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.57		
00955	SILICA, DISSOLVED (MG/L AS SI02)		14	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		6.91		
00932	SODIUM, CALCULATED, PERCENT		83	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		111	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		553	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		323	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-21-330

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by C.W. BONNET Source of data DRILLERS RECORDS Date 3-16-74 Map BELLAIRE 1967 1:24000

State TEXAS 48 County (or town) HARRIS LJ

Latitude: 29 42 45 N Longitude: 095 23 35 Sequential number: 1

Lat-long accuracy: T_____ N S, R_____ E W, Sec_____, _____ k, _____ k, _____ k _____

Local well number: LJ-65-21-330 Other number: SOUTHEND B & M #13

Local use: _____ Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: HERMANN PARK

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist _____ M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewatar, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (W) Repressure, (X) Recharge, (Y) Desal-P S, (Z) Desal-other, Other _____ P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Exs, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (S) Destroyed. W

DATA AVAILABLE: Well data _____ Freq. W/L meas.: _____ S Field aquifer char. _____

Hyd. lab. data: NEW MIS 3-75 (CW & QW)

Qual. water data; type: _____

Freq. sampling: 2-75 A Pumpage inventory: yes no, period: _____

Aperture cards: _____ yes

Log data: D-LOG 0 - 1822' ELOG AA-74 DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1777 ft 1777 Meas. (est) 3

Depth cased: (first perf.) 708 ft 708 Casing type: S ; Diam. 24-14 in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: 7-73 9 7 3 Pump intake setting: _____ ft

Driller: TEXAS WATER WELLS, INC. HOUSTON

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other _____ Deep _____ Shallow _____

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. _____ Trans. or meter no. _____

Descrip. MP _____ ft above below LSD, Alt. MP _____

Alt. LSD: 47 47 Accuracy: (source) TOPO 5' 3

Water Level 342 ft above below MP; Ft above below LSD 342 Accuracy: REPT G

Date meas: 7-73 7 7 3 Yield: 2118 gpm 2118 Method determined _____

Drawdown: 54 ft 54 Accuracy: _____ 3 Pumping period 96 hrs 96

QUALITY OF WATER DATA: Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm Hard. _____ ppm

Sp. Conduct _____ K x 10^6 Temp. _____ °F Date sampled _____

Taste, color, etc. _____

Well No.

Well No. LJ-6 -21-330

Latitude-longitude 29 . 42 . 45 (N) S 095 . 23 . 35
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 0 3 (20–21) Section:

F (22) Drainage Basin: S I R (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series T (28–29) aquifer, formation, group E (30–31)

Lithology: (32–33) Origin: (34) Aquifer Thickness: ft

(35–37) Length of well open to: 461 ft 4 6 1 (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

* Intervals Screened:

Depth to consolidated rock: ft (60–63) Source of data: (64)

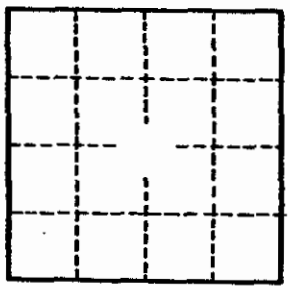
Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)

* 708 – 794	86
890 – 912	22
950 – 968	18
978 – 998	20
1026 – 1043	16
1108 – 1124	16
1174 – 1196	22
1298 – 1342	44
1380 – 1444	64
1490 – 1534	44
1548 – 1579	31
1608 – 1648	40
1704 – 1722	18
1742 – 1762	20
	461



CEMENTED 0 – 710'.

Top of 14" 610'

Well No.

GPO 857-700

(11-74)

UNITED STATES ... INTERIOR
Water Resources Division
Austin, Texas

020994

Latitude ° ' "	Longitude ° ' "	Seq. No.
294245	0952335	01

County code 201 County Harris

Well # LJ-65-21-330

Project number 7-4648-01000

Date 2-15-77 Time ____ Temp °C 28.5

Owner City of Houston

Address South End #13

Date drld 1973 WBF code 121 Engl.

Sample interval: (top) 708 (bottom) 1762

Water level ____ Appr Clear Use PS

Collector Butler Yield ____ GPM

Smpld aftr pmpg ____ Depth —

Pt of coll Tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294245095233501 (2–16)

Y M D (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7080	03	
Sample interval BOTTOM	72016	1762	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2850	02		28.5
pH	00400	8000	01		8.0
Specific conductance	00095	6000	03		600
HCO_3	00440	2880	03		288
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4600	02		46
Sulfate (SO_4)	00945	1000	02		10
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

2497

TX-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017574

Latitude ° ' " 29 42 45 | Longitude ° ' " 095 23 35 | Seq. No. 01

County code 201 County Harris

Well # LJ-C5-21-330

Project number 4648-01000

Date 2-10-76 Time ____ Temp°C 28.5

Owner City of Houston

Address Southend #13

Date drld ____ WBF code 121 EVGL

Sample interval: (top) 705 (bottom) 1762

Water level — Appr clear Use PS

Collector Raffel Yield — GPM

Smpld aftr pmpg arrival Depth —

Pt of coll top on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

utrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 | Station identification number 29424509523501 (1 2 9 16)

Y M D: 76 02 10 (17 Begin 22)

Time of measurement: (29 32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7080	03	
Sample interval BOTTOM	72016	1762	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2850	02		28.5
pH	00400	8000	01		8.0
Specific conductance	00095	6100	03		610
HCO_3	00440	2880	03		288
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4700	02		47
Sulfate (SO_4)	00945	1000	02		10
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

(11-74)

Water Resources Division
Austin, Texas

01509

Latitude	Longitude	Seq. No.
29°42'45"	095°23'35"	01

County code 201 County Harris

Well # LJ-65-21-330

Project number 5-4648-01000

Date 2-6-75 Time _____ Temp°C 28.0

Owner City of Houston

Address Southend #13

Date drld 7-73 WBF code 121EVCL

Sample interval: (top) 708 (bottom) 1762

Water level _____ Appr _____ Use PS

Collector Naftel Yield _____ GPM

Smpld aftr pmpg on arrival Depth 1777

Pt of coll faucet on pipe

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I-1-804

Other _____

Herbicide _____ Insecticide _____

Remarks:

Type 2

Station identification number: 294245095233501

1 2 9 16

Y M D: 75 02 06 (17 Begin 22)

Time of measurement: (29 32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1777	04	
Yield (GPM)	00059			
Sample interval TOP	72015	1080	03	
Sample interval BOTTOM	72016	1762	04	
Water level				

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	28.0	02		
pH	00400	7600	01		7.6
Specific conductance	00095	6020	03		602
HCO_3	00440	2820	03		282
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4600	02		46
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Water ... Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 42 45	095 23 35	01

County code 101 County HARRIS

Well # LJ 65-21-330

Project number T4648 01000

Date 9-23-76 Time 1240 Temp °C 28.5

Owner CITY OF HOUSTON.

Address SOUTHEND #13

Date drld 7-73 WBF code EVGL

Sample interval: (top) 708 (bottom) 1762

Water level 438 Appr Clear Use PS

Collector BEZANT Yield — GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON DISCH PIPE.

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 29424509523501 (2–16)

Y M D: 76 09 23 (17 Begin 22)

Time of measurement: ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7080	03	
Sample interval BOTTOM	72016	1762	04	
Water level	72019			

Sampled after pumping	Parameter code	Value	Exp.	Rmk	
	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2850	02		28.5
pH	00400	8000	01		8.0
Specific conductance	00095	5910	03		591
HCO_3	00440	2860	03		286
CO_3	00445	0000	01		0
Chloride (Cl)	00940	4600	02		46
Sulfate (SO_4)	00945	1100	02		11
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

2500

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-330

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521330
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7134083
Latitude (degrees minutes seconds)	29° 42' 48.27" N
Longitude (decimal degrees)	-95.3933639
Longitude (degrees minutes seconds)	095° 23' 36.11" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	47
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1777
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1973
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Filter Packed

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	Unknown
Surface Completion	
Owner	City of Houston
Driller	Texas Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294245095233501
Texas Commission on Environmental Quality Source Id	G1010013BA
Groundwater Conservation District Well Number	
Owner Well Number	South End #13
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/18/1997
Last Update Date	6/11/2018

Remarks	

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	610
14	Blank	Steel			610	708
14	Screen	Unknown			708	794
14	Blank	Steel			794	890
14	Screen	Unknown			890	912
14	Blank	Steel			912	950
14	Screen	Unknown			950	968
14	Blank	Steel			968	978
14	Screen	Unknown			978	998
14	Blank	Steel			998	1026
14	Screen	Unknown			1026	1043
14	Blank	Steel			1043	1108
14	Screen	Unknown			1108	1124
14	Blank	Steel			1124	1174
14	Screen	Unknown			1174	1196
14	Blank	Steel			1196	1298
14	Screen	Unknown			1298	1342
14	Blank	Steel			1342	1380
14	Screen	Unknown			1380	1444
14	Blank	Steel			1444	1490
14	Screen	Unknown			1490	1534
14	Blank	Steel			1534	1548
14	Screen	Unknown			1548	1579
14	Blank	Steel			1579	1608
14	Screen	Unknown			1608	1648
14	Blank	Steel			1648	1704
14	Screen	Unknown			1704	1722
14	Blank	Steel			1722	1742
14	Screen	Unknown			1742	1762
14	Blank	Steel			1762	1777

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
7/0/1973	Pump	2118	54	96

Lithology - No Data

Annular Seal Range

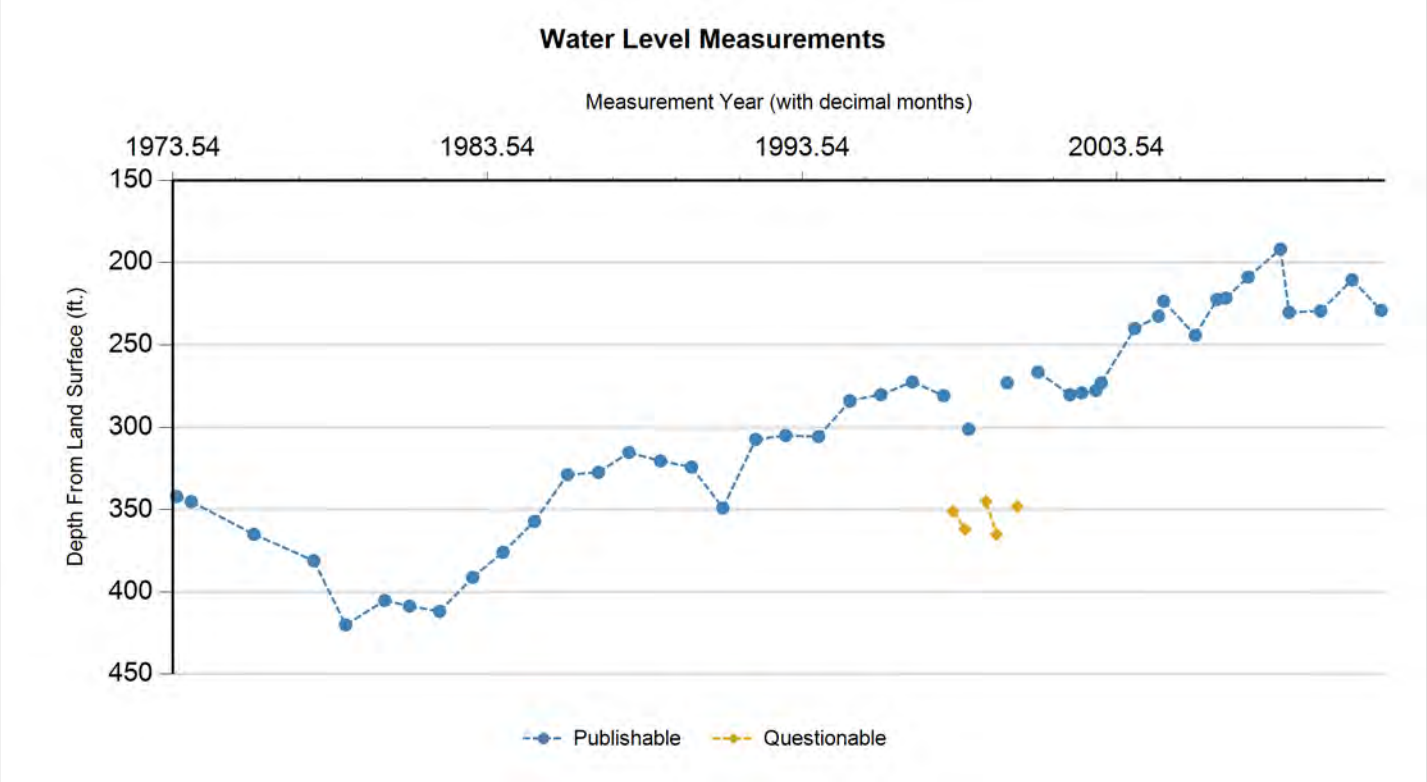
Annular Seal Material	Amount	Unit	Top Depth (ft.)	Bottom Depth (ft.)
Cement		Unknown	0	710

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/0/1973		342		-295	1	Registered Water Well Driller	Unknown		
P	2/14/1974		345.06	3.06	-298.06	1	U.S. Geological Survey	Steel Tape		
P	2/12/1976		364.95	19.89	-317.95	1	U.S. Geological Survey	Steel Tape		
P	1/6/1978		381	16.05	-334	1	U.S. Geological Survey	Air Line		
P	1/11/1979		420	39.00	-373	1	U.S. Geological Survey	Air Line		
P	4/10/1980		405.2	(14.80)	-358.2	1	U.S. Geological Survey	Steel Tape		
P	1/22/1981		408.61	3.41	-361.61	1	U.S. Geological Survey	Steel Tape		
P	1/6/1982		411.84	3.23	-364.84	1	U.S. Geological Survey	Steel Tape		
P	1/24/1983		391.12	(20.72)	-344.12	1	U.S. Geological Survey	Steel Tape		
P	1/10/1984		375.91	(15.21)	-328.91	1	U.S. Geological Survey	Steel Tape		
P	1/11/1985		357.1	(18.81)	-310.1	1	U.S. Geological Survey	Steel Tape		
P	1/29/1986		328.6	(28.50)	-281.6	1	U.S. Geological Survey	Steel Tape		
P	1/23/1987		327.3	(1.30)	-280.3	1	U.S. Geological Survey	Unknown		
P	1/11/1988		315.18	(12.12)	-268.18	1	U.S. Geological Survey	Unknown		
P	1/13/1989		320.31	5.13	-273.31	1	U.S. Geological Survey	Unknown		
P	1/8/1990		324.04	3.73	-277.04	1	U.S. Geological Survey	Unknown		
P	1/7/1991		348.92	24.88	-301.92	1	U.S. Geological Survey	Steel Tape		
P	1/23/1992		307.22	(41.70)	-260.22	1	U.S. Geological Survey	Steel Tape		
P	1/6/1993		304.85	(2.37)	-257.85	1	U.S. Geological Survey	Steel Tape		
P	1/21/1994		305.48	0.63	-258.48	1	U.S. Geological Survey	Steel Tape		
P	1/20/1995		283.99	(21.49)	-236.99	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/15/1996		280.38	(3.61)	-233.38	1	U.S. Geological Survey	Steel Tape		
P	1/16/1997		272.62	(7.76)	-225.62	1	U.S. Geological Survey	Steel Tape		
P	1/15/1998		281	8.38	-234	1	U.S. Geological Survey	Air Line		
P	1/15/1998		274.95	(6.05)	-227.95	2	U.S. Geological Survey	Steel Tape		
Q	5/1/1998		351	76.05	-304	1	U.S. Geological Survey	Air Line	2	
Q	9/21/1998		362	11.00	-315	1	U.S. Geological Survey	Air Line	2	
P	11/4/1998		301	(61.00)	-254	1	U.S. Geological Survey	Air Line		
Q	5/19/1999		345	44.00	-298	1	U.S. Geological Survey	Air Line	2	
Q	9/22/1999		365	20.00	-318	1	U.S. Geological Survey	Air Line	2	
P	1/21/2000		273.16	(91.84)	-226.16	1	U.S. Geological Survey	Steel Tape		
P	1/21/2000		282	8.84	-235	2	U.S. Geological Survey	Air Line		
Q	5/17/2000		348	66.00	-301	1	U.S. Geological Survey	Air Line	2	
P	1/12/2001		266.58	(81.42)	-219.58	1	U.S. Geological Survey	Steel Tape		
P	1/18/2002		280.39	13.81	-233.39	1	U.S. Geological Survey	Steel Tape		
P	6/5/2002		279.26	(1.13)	-232.26	1	U.S. Geological Survey	Steel Tape		
P	11/18/2002		277.87	(1.39)	-230.87	1	U.S. Geological Survey	Steel Tape		
P	1/16/2003		273.21	(4.66)	-226.21	1	U.S. Geological Survey	Steel Tape		
P	2/11/2004		240.16	(33.05)	-193.16	1	U.S. Geological Survey	Steel Tape		
P	11/16/2004		232.7	(7.46)	-185.7	1	U.S. Geological Survey	Steel Tape		
P	1/10/2005		223.53	(9.17)	-176.53	1	U.S. Geological Survey	Steel Tape		
P	1/12/2006		244.25	20.72	-197.25	1	U.S. Geological Survey	Steel Tape		
P	9/25/2006		222.47	(21.78)	-175.47	1	U.S. Geological Survey	Steel Tape		
P	1/2/2007		221.63	(0.84)	-174.63	1	U.S. Geological Survey	Steel Tape		
P	9/21/2007		208.87	(12.76)	-161.87	1	U.S. Geological Survey	Steel Tape		
P	10/1/2008		191.85	(17.02)	-144.85	1	U.S. Geological Survey	Steel Tape		
P	1/6/2009		230.32	38.47	-183.32	1	U.S. Geological Survey	Steel Tape		
P	1/5/2010		229.5	(0.82)	-182.5	1	U.S. Geological Survey	Steel Tape		
P	1/6/2011		210.46	(19.04)	-163.46	1	U.S. Geological Survey	Steel Tape		
P	12/14/2011		229.1	18.64	-182.1	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable

Remark ID	Remark Description
2	Pumping-level measurement

Water Quality Analysis

Sample Date: 2/6/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		231.15	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		282	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		602	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/10/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		47	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		610	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		234.43	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		286	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		591	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/15/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		600	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		10	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/19/1981 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		233	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		72	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		600	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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LJ 65-21-331

April 1966

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

BOB WOEST 1:24000

MASTER CARD

Record by G.W. BONNET Source of data D-RECORD Date 9-22-75 Map BELLAIRE 1967

State TEXAS 48 County (or town) HARRIS LJ

Latitude: 29 deg 43 min 25 sec N S Longitude: 095 deg 23 min 20 sec E Sequential number: 1

Lat-long accuracy: T. N S, R W, Sec , , , , B & M

Local well number: LJ-65-21-331 Other number:

Local use: Owner or name: WARWICK HOTEL

Owner or name: WARWICK HOTEL Address: HOUSTON

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Dewat-P S, (Y) Dewat-other, (Z) Other — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Rec, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data Freq. W/L meas.: Q Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: D-LOG — D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 900 ft 900 Meas. Est. accuracy

Depth cased; (first perf.) 605 ft 605 Casing type: S ; Diam. 10-6 in 10

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, (S) sd. pt., (T) shored, (W) open hole, (Z) other

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: 12-8-62 962 Pump intake setting: 350 (62) ft 350

Driller: POMEROY DRILLING CO. (name, address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T; Deep / Shallow

Power (type): diesel, (elec) nat gas, gasoline, hand, LP gas, wind; H.P. 60 Trans. or meter no.

Descrip. MP ft above / below LSD, Alt. MP

Alt. LSD: 50 V 50 Accuracy: (source) TOPO 5' S

Water Level 226 ft above / below MP; Ft above / below LSD 226 Accuracy: EST. D

Date meas: 12-1962 D62 Yield: gpm Method determined

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp: °F Date sampled

Taste, color, etc.

Well No.

LJ 65-21-331

Latitude-longitude ____ ____ ____ N S ____ ____ ____
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: ____ (20–21) Section: ____

____ (22) Drainage Basin: ____ (23–25) Subbasin: ____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat ____ (27)

MAJOR AQUIFER: ____ system, ____ series (28–29) Evangeline aquifer, formation, group (30–31) E

Lithology: ____ (32–33) Origin: ____ (34) Aquifer Thickness: ____ ft

(35–37) Length of well open to: 120 ft (38–40) Depth to top of: ____ ft (41–43)

MINOR AQUIFER: ____ system, ____ series (44–45) Lower Chicot aquifer, formation, group (46–47) CL

Lithology: ____ (48–49) Origin: ____ (50) Aquifer Thickness: ____ ft

(51–53) Length of well open to: ____ ft (54–56) Depth to top of: ____ ft (57–59)

* Intervals Screened: ____

Depth to consolidated rock: ____ ft (60–63) Source of data: ____ (64)

Depth to basement: ____ ft (65–68) Source of data: ____ (69)

Surficial material: ____ (70–71) Infiltration characteristics: ____ (72)

Coefficient Trans: ____ gpd/ft (73–75) Coefficient Storage: ____ (76–78)

Coefficient Perm: ____ gpd/ft^2; Spec cap: ____ gpm/ft; Number of geologic cards: ____ (79)

* 605 - 625 20
689 - 709 20
732 - 772 40
836 - 854 18
874 - 896 22
120

605' - 10" cog. cemented

Well No.

GPO 857-700

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-331

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521331
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.723889
Latitude (degrees minutes seconds)	29° 43' 26" N
Longitude (decimal degrees)	-95.389445
Longitude (degrees minutes seconds)	095° 23' 22" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	900
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	12/0/1962
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Warwick Hotel
Driller	Pomery Drilling
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/3/1997
Last Update Date	10/3/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6521332 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294423 **Longitude** 952433 **Source of Coords** 1

Owner's Well No. _____ **Location** _____

Owner
Admiral Linen Service

Driller
O'Day Drlg

Address _____ **Tenant/Oper.** _____

Date Drilled / /1984 **Depth** 660 **Source of Depth** D **Altitude** 57 **Source of Alt.** M

Well Type W **User**

WELL CONSTRUCTION

Const-Method Hydraulic Rotary

Completion Screen

Casing Material Steel

Screen Material Steel

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** N **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** 12/15/1987

Reporting Agency

REMARKS -

Aquifer - 112CHCT **ID -** 15

CHICOT
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-332

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521332
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.739722
Latitude (degrees minutes seconds)	29° 44' 23" N
Longitude (decimal degrees)	-95.409167
Longitude (degrees minutes seconds)	095° 24' 33" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	57
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	660
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1984
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Admiral Linen Service
Driller	O'Day Drlg
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	12/15/1987
Last Update Date	6/5/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6521334 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **GMA** 14 **Latitude** 294447 **Longitude** 952324 **Source of Coords** 0

Owner's Well No. _____ **Location** _____

Owner
Baba Yega Resturant

Driller
Scott Drilling Inc.

Address _____ **Tenant/Oper.** _____

Date Drilled 04/03/2002 **Depth** 270 **Source of Depth** D **Altitude** 52 **Source of Alt.** Z

Well Type W **User**

WELL CONSTRUCTION

Const-Method Hydraulic Rotary

Completion Explained in Remarks

Casing Material PVC, Fiberglass, other Plastic

Screen Material PVC, Fiberglass, other Plastic

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

C	4	0	250
C	2	240	250
S	2	250	270

LIFT DATA - Pump Mfr. - _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump-** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** N **Logs -** D **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** 03/05/2004

Reporting Agency 02

REMARKS -
Drillers Report Tracking #6306.
Depth to pump bowl is 220 ft.
Borehole completion: 2 String.
K-packer at 240 ft.

Aquifer - 112CHCT **ID -** 15

CHICOT
AQUIFER

STATE OF TEXAS WELL REPORT for Tracking #6306

Owner:	**BABA YEGA RESTURANT**	Owner Well #:	**No Data**
Address:	**2607 grant st HOUSTON , TX 77006**	Grid #:	**65-21-3**
Well Location:	**SAME HOUSTON , TX 77006**	Latitude:	**29° 44' 47" N**
Well County:	**Harris**	Longitude:	**095° 23' 24" W**
Elevation:	**No Data**	GPS Brand Used:	**315 MEGALLION GPS**
Type of Work:	**New Well**	Proposed Use:	**Industrial**

Drilling Date: Started: **4/2/2002**
Completed: **4/3/2002**

Diameter of Hole: **No Data** Diameter: **6 3/4 in From 0 ft To 270 ft**

Drilling Method: **Mud Rotary**

Borehole Completion: Other: **2 STRING**

Annular Seal Data: 1st Interval: **From 250 ft to 0 ft with 15 (#sacks and material)**
2nd Interval: **From 0 ft to 10 ft with 10 (#sacks and material)**
3rd Interval: **No Data**
Method Used: **HALLIBURTON**
Cemented By: **SDI**
Distance to Septic Field or other Concentrated Contamination: **No Data**
Distance to Property Line: **No Data**
Method of Verification: **CITY**
Approved by Variance: **No Data**

OK

Surface Completion: **Surface Sleeve Installed**

Water Level: Static level: **160 ft. below land surface on 4/3/2002**
Artesian flow: **No Data**

Packers: **K-PACKER 240**

Plugging Info: Casing or Cement/Bentonite left in well: **No Data**

Type Of Pump: **Submersible**
Depth to pump bowl: **220 ft**

Well Tests: **Jetted**
Yield: **(No Data) GPM with (No Data) ft drawdown after (No Data) hours**

Water Quality: Type of Water: **No Data**
Depth of Strata: **No Data**
Chemical Analysis Made: **No**
Did the driller knowingly penetrate any strata which contained undesirable constituents: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.

65 21 334

Company Information:	**SCOTT DRILLING INC** **11923 GREEN PINE CIRCLE** **HOUSTON , TX 77066**
Driller License Number:	**4839**
Licensed Well Driller Signature:	**SCOTT ROBINSON**
Registered Driller Apprentice Signature:	**DJ JUNEAU**
Apprentice Registration Number:	**No Data**
Comments:	**No Data**

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking **#6306**) on your written request.

Texas Department of Licensing & Regulation
P.O. Box 12157
Austin, TX 78711
(512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description
0-25 CLAY 235-270 SAND
25-35 SAND
35-50 CLAY
50-70 SAND
70-80 CLAY
80-90 SAND
90-120 CLAY
120-130 SAND
130-235 CLAY

CASING, BLANK PIPE & WELL SCREEN DATA

Dia.	New/Used	Type	Setting From/To
4	**N**	**PVC CASING**	**0 250**
2.5	**"**	**" LINER**	**240 250**
"	**"**	**" SCREEN**	**250 270 .012**

Texas Water Development Board
Well Schedule

State Well Number 6521334 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294447 **Longitude** 952324 **Source of Coords** 0

Owner's Well No. _____ **Location** _____

Owner
Baba Yega Resturant

Driller

Address _____ **Tenant/Oper.** _____

Date Drilled **Depth** 270 **Source of Depth** A **Altitude** **Source of Alt.** M

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump-** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** N **Logs -** **Other Data -**

WATER LEVELS

Recorded By _____ **Date Record Collected or Updated -** 03/05/2004

Reporting Agency 02

REMARKS -

Aquifer - 112CHCT **ID -** 15

CHICOT
AQUIFER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-334

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521334
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.746389
Latitude (degrees minutes seconds)	29° 44' 47" N
Longitude (decimal degrees)	-95.39
Longitude (degrees minutes seconds)	095° 23' 24" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	52
Land Surface Elevation Method	Other (see remarks)
Well Depth (feet below land surface)	270
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	4/3/2002
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Other

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	220
Power Type	
Annular Seal Method	Positive Displacement
Surface Completion	Surface Sleeve Installed
Owner	Baba Yega Resturant
Driller	Scott Drilling Inc.
Other Data Available	Drillers Log
Well Report Tracking Number	6306
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	3/5/2004
Last Update Date	7/13/2016

Remarks	K-packer at 240 ft. Borehole completion: 2 String.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
4	Blank	Plastic (PVC)			0	250
2	Blank	Plastic (PVC)			240	250
2	Screen	Plastic (PVC)			250	270

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
2002-04-03	Jetted			

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	25	CLAY 235-270 SAND
25	35	SAND
35	50	CLAY
50	70	SAND
70	80	CLAY
80	90	SAND
90	120	CLAY
120	130	SAND
130	235	CLAY

Annular Seal Range - No Data

Borehole

Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
6.75	0	270

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 502 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 42 22 Longitude - 95 26 08 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Southside Place Driller - Texas Water Wells

Address _____ Tenant/Oper. _____
Date Drilled - / /1955 Depth - 1,520 ft. Source of Depth - D Altitude - 54 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 809000

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 150

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS
Date- 02/10/1956 Measurement- -183.30
Date- 09/09/1957 Measurement- -215.00

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____
| Diam. (in.) | Setting(feet) From | To
|---

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 21 502

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-502

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521502
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.706389
Latitude (degrees minutes seconds)	29° 42' 23" N
Longitude (decimal degrees)	-95.435834
Longitude (degrees minutes seconds)	095° 26' 09" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	54
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1520
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1955
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Southside Place
Driller	Texas Water Wells
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/3/1997
Last Update Date	10/3/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

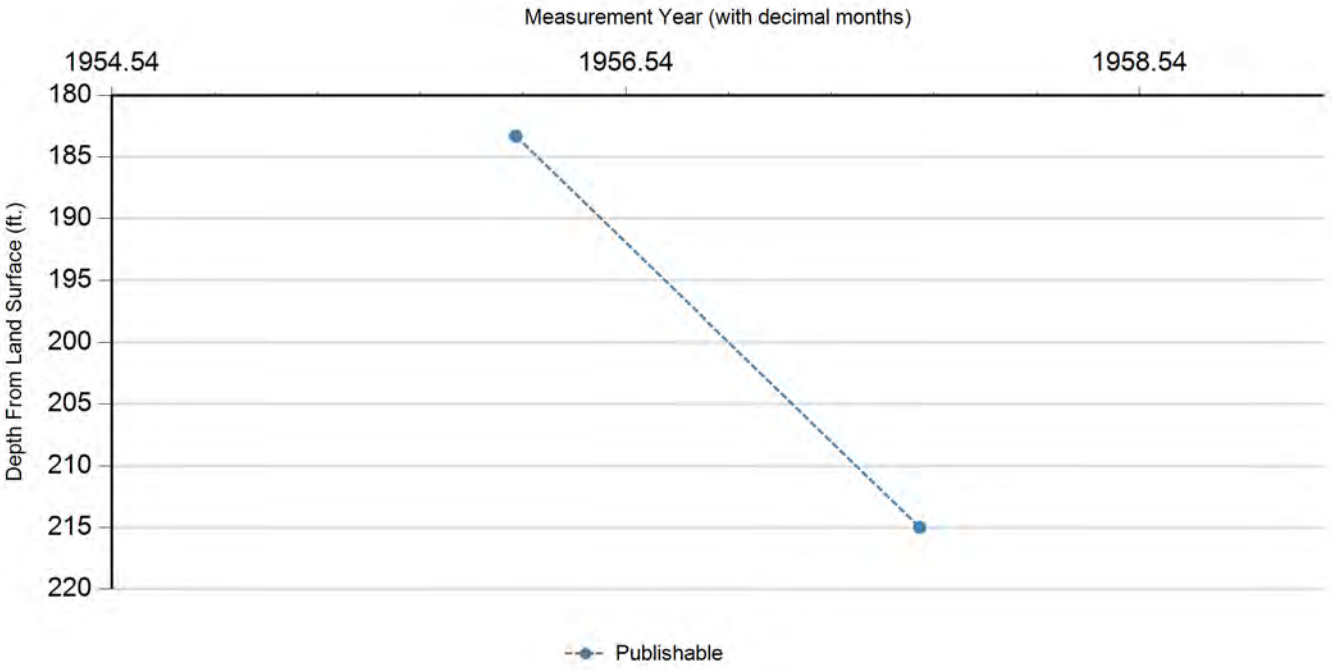
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-502

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/10/1956		183.3		-129.3	1	U.S. Geological Survey	Unknown		
P	9/9/1957		215	31.70	-161	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well No. 65 21 602 Previous Well No. _____ County HARRIS

River Basin San Jacinto River Zone _____ Lat. _____ Long. _____ Source of Coord. _____

Owner's Well No. _____ Location _____ 1/4, _____ 1.4, Section _____, Block _____, Survey _____

Owner SHAMROCK HILTON HOTEL NO. 1 Driller LAYNE WESTERN

Address _____ Tenant/Oper. _____

Date Drilled _____ 1946 Depth 1620 Source of Depth Datum _____ Altitude _____ Source of Alt. Datum _____

Aquifer _____ Well Type _____ User _____

Well Construction Const. Method _____ Casing Material _____

Completion _____ Screen Material _____

Lift Data Pump Mfr. _____ Type Turbine No. Stages _____

Bowls Diam. _____ in. Setting _____ ft. Column Diam. _____ in.

Motor Mfr. _____ Fuel or Power _____ Horsepower _____

Yield Flow 1,000± GPM Pump 45 GPM Meas., Rept., Est. _____ Date _____

Performance Test Date _____ Length of Test _____ Production _____ GPM

Static Level _____ ft. Pumping Level _____ ft. Drawdown _____ ft. Sp.Cap. _____ GPM/ft.

Quality (Remarks _____

Water Use Primary PS P Secondary _____ Tertiary _____

Other Data Available: Water Level _____ Water Quality _____ Logs _____ Other Data _____

Water Levels: Date _____ Meas. _____ Date _____ Meas. _____ Date _____ Meas. _____

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S)
Open Hole (O)
Cemented from ___ to ___

	Diam. (in.)	From	To
1	18	0	1200
2	10	1094	1645
3		Revised	
4	N 14	0	875
5	N 12	875	1095
6	N 6	1040	1140
7	N 6	1140	1300
8	N 4	1300	1620
9			
10			
11			
12			
13			
14			
15			
16			

Recorded By _____ Date Record Collected or Updated _____ (20 max) Reporting Agency _____

Remarks

Aquifer _____

Well No. 65-21-602

93-0384
2/9/93

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-21-36
Located on map Yes
Received: C.F.S.

1) **OWNER** Shamrock Hilton Hotel (Name) Address P. O. Box 2848 (Street or RFD) Houston (City) Texas (State) 77001 (Zip)

2) **LOCATION OF WELL:** County Harris 4.5 miles in S.W. (N.E., S.W., etc.) direction from Houston City Hall (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ **Legal description:**
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines
Well No. 65-21-602
☒ See attached map.

3) **TYPE OF WORK** (Check):
☐ New Well ☐ Deepening
☒ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check):
☐ Domestic ☐ Industrial ☒ Public Supply
☐ Irrigation ☐ Test Well ☐ Other

5) **DRILLING METHOD** (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored
☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other

6) **WELL LOG:**
Date drilled 1946

Dia. (in.)	From (ft.)	To (ft.)
	Surface	
See Original		

From (ft.)	To (ft.)	Description and color of formation material
		Shamrock Hilton No. 1 See Original

7) **BOREHOLE COMPLETION:**
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other
If Gravel Packed give interval . . . from 0 ft. to 1620 ft.

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing	Gage Screen
18		Original	0	1200	--	
10			1094	1645	--	
		REVISED				
14	N	Steel Liner	0	875		.375
12	N	Steel Liner	875	1095		.344
6	N	Steel Pipe	1040	1140		.280
6	N	Steel Pipe - Slotted	1140	1300		.040
4	N	Slotted steel pipe	1300	1620		.040

RECEIVED
DEC 31 1984
DEPT. OF WATER RESOURCES

(Use reverse side if necessary)

CEMENTING DATA
Cemented from _____ ft. to _____ ft.
Method used See original
Cemented by _____ (Company or Individual)

9) **WATER LEVEL:**
Static level 360 ft. below land surface Date 10-84
Artesian flow None gpm. Date

10) **PACKERS:** Type Depth
18 x 6 Cement 1,040-42
Baker-Metal Petal Basket - 1090 - 18 x 12

11) **TYPE PUMP:**
☒ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other
Depth to pump bowls, cylinder, jet, etc., 550 ft.

12) **WELL TESTS:**
☐ Type Test: ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 1,084 gpm with 455 ft. drawdown after 5 hrs.

13) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesireble water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore Road (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

James O'Connor (Water Well Driller) Layne-Western Company, Inc. (Company Name)

...ctric log, chemical analysis, and other pertinent information, if available.

...1-12-79) 2532 DEPARTMENT OF WATER RESOURCES COPY 65-21-602

HOUSTON
WEST UNIVERSITY PLACE
SOUTHSIDE PLACE

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-602

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521602
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.705001
Latitude (degrees minutes seconds)	29° 42' 18" N
Longitude (decimal degrees)	-95.409167
Longitude (degrees minutes seconds)	095° 24' 33" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	1620
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1946
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Shamrock Hilton Hotel
Driller	Layne Western
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well No. 65 21 603 Previous Well No. County HARRIS

River Basin San Jacinto River Zone Lat. Long. Source of Coord.

Owner's Well No. Location 1/4, 1/4, Section , Block , Survey

Owner SHAMROCK HILTON HOTEL NO. 2 Driller LAYNE WESTERN

Address Tenant/Oper.

Date Drilled 1946 Depth 1260 Source of Depth Datum Altitude Source of Alt. Datum

Aquifer Well Type User

Well Construction Const. Method Casing Material

Completion Screen Material

Lift Data Pump Mfr. Type SUBM No. Stages

Bowls Diam. in. Setting ft. Column Diam. in.

Motor Mfr. Fuel or Power Horsepower

Yield Flow GPM Pump GPM Meas.,Rept.,Est. Date

Performance Test Date Length of Test Production GPM

Static Level 375 ft. Pumping Level ft. Drawdown ft. Sp.Cap. GPM/ft.

Quality (Remarks

Water Use Primary Secondary Tertiary

Other Data Available Water Level Water Quality Logs Other Data

Water Levels Date Meas. Date Meas. Date Meas.

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S)
Open Hole (O)
Cemented from to

	Diam. (in.)		From		To	
1	N	12		0	740	
2	N	6	719		920	
3	N	6	870		920	
4	N	4	920		1260	
5	N	4	920		1260	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Recorded By Date Record Collected or Updated (20 max) Reporting Agency

Remarks WELL RECONSTRUCTED

Aquifer

Well No. 65-21-603

93-0384
2/9/93

E RUP

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-21-5A
Located on map Yes
Received: C.F.S.

1) OWNER Shamrock Hilton Hotel (Name) Address P.O. Box 2848 (Street or RFD) Houston (City) Texas (State) 77001 (Zip)

2) LOCATION OF WELL: County Harris 5 miles in SW (N.E., S.W., etc.) direction from City Hall (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines
Well No. 65-21-603
XX See attached map.

3) TYPE OF WORK (Check): ☐ New Well ☐ Deepening ☒ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☒ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check): ☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored See ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☒ Other Original

6) WELL LOG:

Date drilled 12-46

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
	Surface	
	See Original	

7) BOREHOLE COMPLETION: ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 0 ft. to 1,260 ft.

From (ft.)	To (ft.)	Description and color of formation material
See original		
Shamrock Hilton Hotel Well No. 2		

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
12	N	Steel	0	740	.312
6	N	Steel	719	920	.280
6	N	Mill Slotted Screen	870	920	.040
4	N	Steel	920	1260	.237
4	N	Mill Slotted Screen	920	1260	.040

CEMENTING DATA
Cemented from _____ ft. to _____ ft.
Method used See original
Cemented by _____ (Company or Individual)

9) WATER LEVEL:
Static level 375 ft. below land surface Date 11-83
Artesian flow 0 gpm. Date _____

10) PACKERS:

Type	Depth
6 x 18 Cement Cap	720-722
12 x 18 Metal Petal Basket	738

RECEIVED
NOV 21 1983
DEPT. OF WATER RESOURCES

(Use reverse side if necessary)

11) TYPE PUMP: ☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 567 ft.

12) WELL TESTS: ☐ Type Test: ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 675 gpm with 443 ft. drawdown after 4 hrs.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore Road (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

Signed James O'Connor (Water Well Driller) Layne-Western Company, Inc. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

2538

TWR-0392 (Rev. 1-12-79) DEPARTMENT OF WATER RESOURCES COPY 65-21-603 AMR

HOUSTON
WEST UNIVERSITY PLACE

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-603

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521603
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.705278
Latitude (degrees minutes seconds)	29° 42' 19" N
Longitude (decimal degrees)	-95.409445
Longitude (degrees minutes seconds)	095° 24' 34" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	1260
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	12/0/1946
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	
Water Level Observation	None
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Shamrock Hilton Hotel
Driller	Layne Western
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 606 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 41 51 Longitude - 95 22 58 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Southland

Driller - McMasters & pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - 09/25/1939 Depth - 505 ft. Source of Depth - D Altitude - 50 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 21 606

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-606

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521606
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.697778
Latitude (degrees minutes seconds)	29° 41' 52" N
Longitude (decimal degrees)	-95.383055
Longitude (degrees minutes seconds)	095° 22' 59" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	50
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	505
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	9/25/1939
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Southland
Driller	McMasters & pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6521621 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294127 **Longitude** 952243 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Gray Tool Co.

Driller
A. Chrysty Kuhlmann

Address _____ **Tenant/Oper.** _____

Date Drilled / /1971 **Depth** 442 **Source of Depth** **Altitude** 48 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S) or Open Hole (O)
Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** SUBMERSIBLE PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1971
-197

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178: Screen from 412 to 442 ft.
Yield: 110 gpm with 15 ft. drawdown when drilled.

Aquifer - 112CHCTL **ID -** 15
CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-621

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521621
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.690834
Latitude (degrees minutes seconds)	29° 41' 27" N
Longitude (decimal degrees)	-95.378611
Longitude (degrees minutes seconds)	095° 22' 43" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	48
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	442
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1971
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Gray Tool Co.
Driller	A. Chrysty Kuhlmann
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: Screen from 412 to 442 ft. Yield: 110 gpm with 15 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

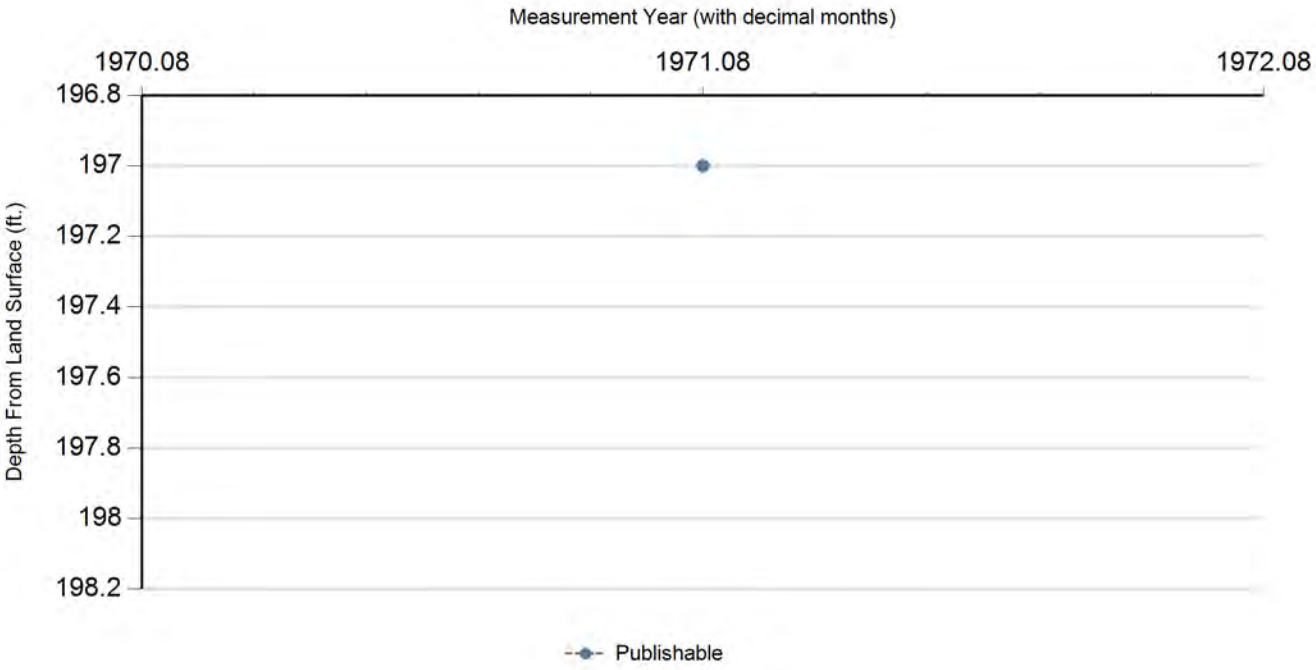
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-621

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/1/1971		197		-149	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 625 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 42 14 Longitude - 95 23 48 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Thermal Energy Corp Driller - Layne Texas Co.

Address _____ Tenant/Oper. _____
Date Drilled - 12/04/1984 Depth - 702 ft. Source of Depth - D Altitude - 45 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - HYDRAULIC ROTARY
Completion - GRAVEL PACK W/SCREEN
Casing Material - STEEL
Screen Material - STAINLESS STEEL

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -
YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____
PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM
Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft
QUALITY (Remarks- _____
WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____
OTHER DATA AVAILAI8LE Water Levels- M Quality- Y Logs- DIE Other Data-
WATER LEVELS Date- 12/19/1984 Measurement- -284.00
Date- / / Measurement-
Recorded By _____ Date Record Collected or Updated- / /

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (
Open Hole (O)
Cemented from_____to_____

		Diam. (in.)	Setting(feet) From	To
1	C	18	0	560
2	C	12	460	568
3	S	12	568	596
4	S	12	620	690
5	C	12	690	702
6				
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8				
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14				
15				
16				
17				
18				
19				

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -
Well #1. Test hole to 1001 feet.
Cemented to 560 feet. Tested at
1005 gpm with 107 feet drawdown
pumping 12 hours.

Aquifer - 112CHCT
Well No. - 65 21 625

Please use black ink.
Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Thermal Energy Coop c/o Koye Johnson (Name) Address 3616 Braeswood (Street or RFD) Houston (City) TX (State) 77063 (Zip)

2) LOCATION OF WELL:
County Harris miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☒ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
Well #1
Date drilled 12/4/84

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
22	Surface	460
30	460	702 TD

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☒ Underreamed
☐ Gravel Packed ☒ Other _____
If Gravel Packed give interval . . . from 460 ft. to 702 TD ft.

From (ft.)	To (ft.)	Description and color of formation material
		See attached Well log
		Chem. Analysis,
		E-log

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
16	N	Blank Steel Csg	+2	560	
12	N	Blank Steel Liner	460	568	
12	N	STL w/Bakerlok Screen	568	596	.035
		"	620	690	"

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from Surf ft. to 560 ft.
_____ ft. to _____ ft.
Method used Halliburton
Cemented by B J Hughes

RECEIVED
SEP 11 1985
TEXAS WATER COMMISSION

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 284 ft. below land surface Date 12/19/84
Artesian flow _____ gpm. Date _____

12) PACKERS: Type None Depth

13) TYPE PUMP:
☒ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 450 ft.

14) WELL TESTS:
Type Test: ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 1000 gpm with 107 ft. drawdown after 12 hrs.

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Layne Texas Co (Type or Print) Water Well Driller's License No. 2A

ADDRESS P O Box 5767 (Street or RFD) Houston (City) TX (State) 77262 (Zip)

(Signed) Leland Johnson (Signed) _____ (Registered Driller Trainee) 65-21-625

Please attach [illegible] information, if available.

For TDWR use only
Well No. 65-21-6C
Located on map Yes DLF

TDWR-0[illegible] 2552 EXECUTIVE DIRECTOR WATER RESOURCES COPY

X

FORM NO. 28

LAYNE TEXAS COMPANY,

HOUSTON -:- DALLAS

WELL LOG

REPORT NO.
S. O. 1102-2990
PAGE 1 of 2
FILE NO. 4165
DATE 12/4/84

CUSTOMER LOCATION

FOR Thermal Energy Corporation

LOCATION WELL 1 blk. w of S. Brasewood on Pressler St.

SURVEY FIELD

COUNTY Harris STATE Texas

OTHER LAND MARKS In the Medical Center

WELL DATA

NAME WELL WELL NO. 1

ELEVATION DATUM

RT C GR

TEST HOLE SIZE 9 7/8" TD 1001'

DATE STARTED DRILLING 11/30/84

DATE FINISHED DRILLING 12/4/84

DRILLER Thompson RIG NO. 7

TYPE MUD Gel NO. SACKS

ELECTRIC LOG Yes TYPE G. O.

SURVEY Eastman TYPE Single Shot

OTHER Thompson, Jr.

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		Surface			
14'-24'		Clay			
27'	3'	Sand			
33'	6'	Sandy Clay			
38'	5'	Clay			
40'	2'	Clay & Sandy Clay			
55'	15'	Sand			
58'	3'	Clay & Stks of Sand			
69'	11'	Clay			
74'	5'	Sand			
91'	17'	Clay & Few Sand Stks.			
116'	25'	Sandy Clay & Sand & Lime			
127'	11'	Clay & Lime			
145'	18'	Clay & Sandy Clay			
159'	14'	Tough Clay			
167'	8'	Sandy Clay & Clay			
187'	20'	Clay & Sand Stks.			
220'	33'	Clay			
222'	2'	Clay & Sandy Clay Stks.			
236'	16'	Clay			
241'	5'	Sandy Clay & Clay			
260'	19'	Sandy Clay & Stks. & Sand			
262'	2'	Clay			
270'	8'	Sand			
353'	83'	Clay			
355'	2'	Clay & Sandy Clay			
386'	31'	Sandy Clay Stks.			
387'	1'	Clay			
405'	18'	Sandy Clay Stks.			
406'	1'	Clay			
411'	5'	Sand & Clay Stks.			
424'	13'	Sand & Sandy Clay Stks.			
428'	4'	Sand & Clay Stks.			
437'	9'	Clay			
475'	38'	Sand & Clay Stks.			
553'	78'	Clay, Sandy Clay & Sand			
602'	20'	Clay, Sandy, Clay & Sand			
618'	16'	Clay			
634'	16'	Sandy Clay & Sand			

6521625

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
634'	16'	Sandy Clay & Sand			
670'	36'	Clay & Sandy Clay			
686'	16'	Sandy Clay & sand			
701'	15'	Clay			
711'	10'	Clay & Lime			
716'	5'	Clay & Sandy Clay			
733'	17'	Sand & Clay Stks.			
739'	6'	Clay & Sandy Stks.			
753'	14'	Sand & Clay Stks.			
757'	4'	Clay			
790'	33'	Sand & Clay Stks.			
801'	11'	Clay & Sandy Clay			
804'	3'	Sand & Sandy Clay			
816'	12'	Clay & Sandy Clay Stks.			
824'	8'	Clay & Sand Stks.			
833'	9'	Clay & Sandy Clay			
837'	4'	Sandy Clay & Clay			
849'	12'	Sand, Clay & Lime Stks.			
851'	2'	Lime & Clay			
860'	9'	Sand & Lime & Clay Stks.			
867'	7'	Clay & Lime			
883'	16'	Clay & Sandy Clay			
895'	12'	Sand & Clay Stks.			
902'	7'	Sandy Clay Stks.			
904'	2'	Clay			
911'	7'	Clay, Sandy Clay & Sand Stks.			
913'	2'	Clay & Lime Stks.			
916'	3'	Clay, Sandy Clay & Sand			
922'	6'	Lime Stks., Sandy Clay & Sand			
937'	15'	Sand			
939'	2'	Clay			
950'	11'	Sand & Few lime & Clay Stks.			
954'	4'	Clay & Lime Stks.			
960'	6'	Clay & Sand Stks.			
973'	15'	Clay			
997'	22'	Sand & Clay Stks.			
1001'	4'	Clay			

65 21 625

EDNA WOOD LABORATORIES, INC.

WATER TECHNOLOGISTS · · CHEMISTS · · MICROBIOLOGISTS

10 January 1875

To: Layne Texas Company
P. O. Box 9469
Houston, Texas 77261

SO #1102-2990

Sample marked: Thermal Energy Medical Center - Harris County, Texas. 10 minute static head: 295' Pumping level : 391' Screened; 620' - 690' to 568' - 596' - Clear, no sand - By: R. V. Garcia.

Received: 12-21-84.

WATER ANALYSIS
results in parts per million (mg/l) except as noted

Dissolved Residue at 350° C		282	Conductance, micromhos/cm, 25°C		530
Total Dissolved Solids, actual†		412	Color, units		2
Total Dissolved Solids, calc.		435	Turbidity, units		0.16
Silica	SiO_2	25	As Calcium Carbonate, $CaCo_3$:		
Calcium	Ca	57	Phenolphthalein Alkalinity		0
Magnesium	Mg	5	Total Alkolinity		210
Sodium (diff.) No + K as	No	49	Total Hardness		161
Corbonate	CO_3	0	Free Carbon Dioxide	CO_2	9.5
Bicarbonate	HCO_3	256	pH . . . 7.63 at 23°C		
Sulfate	SO_4	6	HYPOTHETICAL COMBINATIONS		
Chloride	Cl	37			
Total Fluoride	F	0.2			
Total Nitrate	NO_3	< 0.4			
Total Manganese *	Mn	0.03			
Total Iron *	Fe	0.05			
Iron, filtered sample	Fe	-			

*By Atomic Absorption.

†Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

EDNA WOOD LABORATORIES, INC.

By: Alice Perry
Alice Perry, Supervising Chemist

2756
slp

65-21-625

Tel: (713) 747-7271 • P. O. BOX 14171 • 4820 OLD SPANISH TRAIL • HOUSTON, TEXAS 77021

Thermal Energy Corp
Well #1
(4167)
HARRIS COUNTY
TEXAS
HOUSTON
PEARLAND
PASADENA
DEER PARK
LA PORTE
BAYTOWN
LEAGUE CITY
GALENA PARK
MORGAN'S POINT
CHAMBERS COUNTY

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-625

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521625
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.704167
Latitude (degrees minutes seconds)	29° 42' 15" N
Longitude (decimal degrees)	-95.396945
Longitude (degrees minutes seconds)	095° 23' 49" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	702
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	12/4/1984
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Thermal Energy Corp
Driller	Layne Texas Co.
Other Data Available	Drillers Log; Electric Log; Induction
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/4/1997
Last Update Date	9/4/1997

Remarks	Well #1. Test hole to 1001 feet. Cemented to 560 feet. Tested at 1005 gpm with 107 feet drawdown pumping 12 hours.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
18	Blank	Steel			0	560
12	Blank	Steel			460	568
12	Screen	Stainless Steel			568	596
12	Screen	Stainless Steel			620	690
12	Blank	Steel			690	702

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

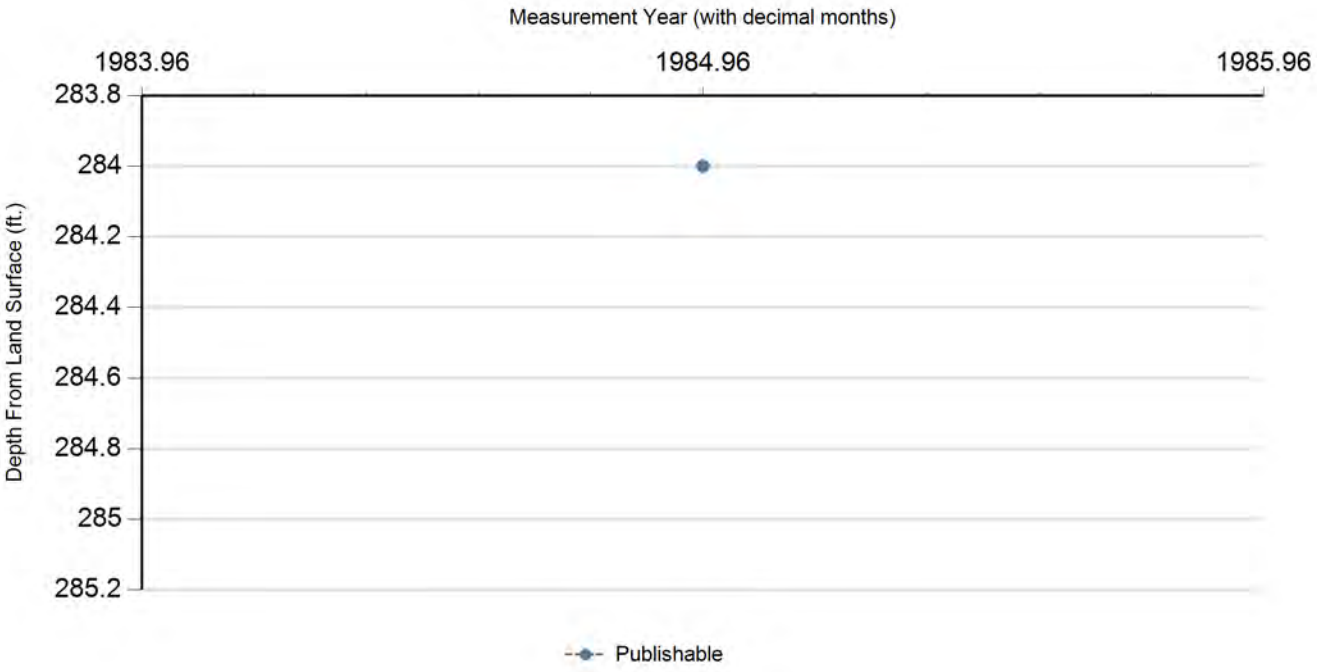
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/19/1984		284		-239	1	Registered Water Well Driller	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 12/21/1984 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Registered Water Well Driller

Sampled Aquifer: Chicot Aquifer

Analyzed Lab: Edna Wood Lab **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		210	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256.27	mg/L	
00910	CALCIUM (MG/L)		57	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		162	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		50	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		30	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.63	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.94		
00955	SILICA, DISSOLVED (MG/L AS SI02)		25	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.67		
00932	SODIUM, CALCULATED, PERCENT		39	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)	calculated	49	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		530	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		305	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 21 626 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 41 40 Longitude - 95 23 08 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Labbco, Inc. Driller - Swinehart

Address _____ Tenant/Oper. _____
Date Drilled - / /1987 Depth - 304 ft. Source of Depth - D Altitude - 49 ft. Source of Alt. - M
Aquifer - 112CHCT CHICOT AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - HYDRAULIC ROTARY
Completion - SCREEN
Casing Material - STEEL
Screen Material - STEEL

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- Quality- Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 12/15/1987

Reporting Agency -
REMARKS -

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Aquifer - 112CHCT
Well No. - 65 21 626

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-21-626

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6521626
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.694722
Latitude (degrees minutes seconds)	29° 41' 41" N
Longitude (decimal degrees)	-95.385834
Longitude (degrees minutes seconds)	095° 23' 09" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	49
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	304
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1987
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Labbco, Inc.
Driller	Swinehart
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	12/15/1987
Last Update Date	6/5/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 102 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 13 Longitude - 95 20 22 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - University of Houston Driller -

Address _____ Tenant/Oper. _____
Date Drilled - / /1957 Depth - 2,436 ft. Source of Depth - Altitude - 42 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - _____ No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- _____ Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- Y Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
Test well 1. Clay compaction test
data in files of U.S.G.S.

Aquifer - 121EVGL
Well No. - 65 22 102

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-102

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522102
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.720278
Latitude (degrees minutes seconds)	29° 43' 13" N
Longitude (decimal degrees)	-95.339445
Longitude (degrees minutes seconds)	095° 20' 22" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2436
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1957
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	
Water Level Observation	None
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	University of Houston
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	Test well 1. Clay compaction test data in files of U.S.G.S.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 12/2/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		127.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		155	mg/L	
00910	CALCIUM (MG/L)		33	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		106	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		6	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.4		
00955	SILICA, DISSOLVED (MG/L AS SI02)		5	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.69		
00932	SODIUM, CALCULATED, PERCENT		55	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		64	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		513	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		112	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		326	mg/L	

Water Quality Analysis

Sample Date: 12/3/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		177.05	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		216	mg/L	
00910	CALCIUM (MG/L)		50	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.9	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		166	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		300	ug/L	
00920	MAGNESIUM (MG/L)		10	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.2	mg/L	
00400	PH (STANDARD UNITS), FIELD		6.7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.22		
00955	SILICA, DISSOLVED (MG/L AS SI02)		12	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.94		
00932	SODIUM, CALCULATED, PERCENT		52	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		87	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		676	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		126	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		441	mg/L	

Water Quality Analysis

Sample Date: 12/4/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		110.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		135	mg/L	
00910	CALCIUM (MG/L)		32	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.5	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		102	mg/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00400	PH (STANDARD UNITS), FIELD		6.3	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		4.1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.2		
00955	SILICA, DISSOLVED (MG/L AS SI02)		9	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.95		
00932	SODIUM, CALCULATED, PERCENT		58	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		68	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		494	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		45	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		259	mg/L	

Water Quality Analysis

Sample Date: 12/5/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		85.25	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		104	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		22	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		2.7	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		116	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.9	mg/L	
00400	PH (STANDARD UNITS), FIELD		6.4	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		4.3	mg/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		7	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		84	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		554	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		48	mg/L	

Water Quality Analysis

Sample Date: 12/6/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		196.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		240	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		52	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.2	mg/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		9	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		199	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		866	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		114	mg/L	

Water Quality Analysis

Sample Date: 12/7/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		228.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		279	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		2.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.5	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.7	mg/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		9	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		185	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		832	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		112	mg/L	

Water Quality Analysis

Sample Date: 12/16/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		349.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		426	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		100	ug/L	
00910	CALCIUM (MG/L)		8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		99	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		3800	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.41		
00955	SILICA, DISSOLVED (MG/L AS SI02)		19	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		17.53		
00932	SODIUM, CALCULATED, PERCENT		93	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		214	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		918	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		558	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-102

Water Quality Analysis

Sample Date: 12/16/1957 **Sample Time:** 0000 **Sample Number:** 2 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		345.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		422	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		500	ug/L	
00910	CALCIUM (MG/L)		8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		98	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		28	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		5000	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		3.1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.35		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		17.53		
00932	SODIUM, CALCULATED, PERCENT		93	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		214	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		921	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		556	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-22-103

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) 1:24000

Record by G.M. (10-M-63) Source of data FILES Date 7-23-68 Map Park Place 1955

State Texas 48 County (or town) Harris LJ

Latitude: 29 deg 43 min 34 sec N Longitude: 095 degrees 21 min 01 sec W Sequential number: 1

Lat-long accuracy: 1 T. N S, R E W, Sec , , , ,

Local well number: LJ-65-22-103 Other number: B & M WELL #6

Local use: Owner or name: CITY OF HOUSTON

Owner or name: CITY OF HOUSTON Address: Scott Street Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mad, (N) Ind, (P) P-S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — P

Use of well: (A) Anode, (D) Drain, (C) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdrew, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1963 - - Annual A Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: 7-29-63 A Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: E-Log BB-29 To 2521' E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2157 ft 2157 Meas. / reported Driller accuracy 3

Depth cased: (first perf.) 580 ft 580 Casing type: S ; Diam. 24-12¾ in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other — G

Method Drilled: (A) air rot, (B) bored, cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — H

Date Drilled: 1-21-63 Pump intake setting: 372 ft 372

Driller: LAYNE-TEXAS CO. (name), HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, multiple (cent.), (M) multiple (turb.), (N) nose, (P) piston, (R) rot, (S) submers, (T) turb, (Z) other — S Deep / Shallow D

Power (type): diesel, elec, nat gas, LP gasoline, hand, gas, wind; H.P. 300 W Trans. or meter no.

Descrip. MP 2" MEASURING PIPE 3.0 ft above / below LSD Alt. MP 48'

Alt. LSD: 45' (from Alt. MP) Accuracy: (source) 5' Topo 3

Water Level 26.53 ft above / below MP; Ft above / below LSD 259 Accuracy: MEAS. A

Date meas: 2-23-63 263 Yield: 3024 gpm 3024 Method determined 4

Drawdown: 79 ft 79 Accuracy: Meas Y.D. 0 Pumping period 48 hrs 48

P/L: 340.1 261.5 78.6

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

Taste, color, etc.

Well No. LJ-65-22-103

Well No. LJ-65-22-103

Latitude-longitude 29 d 43 m 34 s (N) 095 d 21 m 01 s (W)

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [511R] (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31) ✓

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: 418 ft [418] (38–40) Depth to top of: _____ ft (41–43)

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

* Intervals Screened: 580-590, 645-669, 720-730, 755-780, 820-830, 860-870, 900-925

Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: ✓ _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: — _____ gpd/ft²; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ (79)

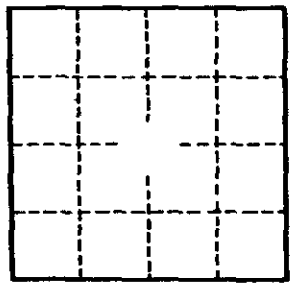
* SCREENS:

980-990
1050-1060
1080-1090
1130-1165
1350-1365
1390-1410
1430-1440
1470-1495
1500-1510
1575-1615
1690-1720
1735-1750
1850-1880
2105-2140

90' plug in bottom

CSG:

571' of 24"
510-2157 - of 12"
SS .045 gw



Well No. LJ-65-22-103

GPO 857–700

(11-74)

Water Resources Division
Austin, Texas

021400

Latitude ° ' "	Longitude ° ' "	Seq. No.
294334	0952101	01

County code 201 County HARRIS

Well # LJ-65-22-103

Project number 7-4648-01000

Date 5-17-77 Time — Temp°C 26.5

Owner City of Houston

Address Scott St # 6

Date drld — WBF code 121 Evgl

Sample interval: (top) 580 (bottom) 2140

Water level — Appr CLEAR Use PS

Collector Peters Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll top on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 2943340952101 01 (2–16)

Y M D 77 05 17 (17 Begin 22) Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	5800	03	
Sample interval BOTTOM	72016	2140	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2650	02		26.5
pH	00400	7800	01		7.8
Specific conductance	00095	7380	03		738
HCO_3	00440	3400	03		340
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6400	02		64
Sulfate (SO_4)	00945	9200	01		9.2
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

65-22-103

2577

(11-74) UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017575

Latitude ° ' " | Longitude ° ' " | Seq. No.

29 43 34 | 095 21 01 | 01

County code 201 County Harris

Well # LJ-65-22-103

Project number 4648-01000

Date 2-6-76 Time — Temp°C 29.5

Owner City of Houston

Address Scott St. #6

Date drld — WBF code 121 EVGL

Sample interval: (top) 580 (bottom) 2140

Water level — Appr clear Use PS

Collector Kattel Yield — GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 | Station identification number 29433409521010 1

Y M D: 76 02 06 (17 Begin 22) | Time of measurement (29 32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval OP	72015	5800	03	
Sample interval BOTTOM	72016	2140	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2950	02		29.5
pH	00400	8100	01		8.1
Specific conductance	00095	7620	03		762
HCO_3	00440	3490	03		349
CO_3	00445	0009	01		0
Chloride (Cl)	00940	7000	02		70.
Sulfate (SO_4)	00945	2800	01		2.8
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

2578

Water Resources Division
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 43 34	095 21 01	01

County code LJ201 County Harris

Well # LJ-65-22-103

Project number 5-4648-01000

Date 2-4-75 Time ____ Temp°C 29.5

Owner City of Houston

Address Scott St. #6

Date drld 1-21-63 WBF code 121EVGL

Sample interval: (top) 580 (bottom) 2140

Water level ____ Appr ____ Use PS

Collector Naftel Yield ____ GPM

Smpld aftr pmpg on arrival Depth 2157

Pt of coll Fawcet on pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO_4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 294334095210101 (2–16)

Y M D: 75 02 04 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	2157	04	
Yield (GPM)	00059			
Sample interval TOP	72015	5800	03	
Sample interval BOTTOM	72016	2140	04	
[illegible]	[illegible]			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2950	02		
pH	00400	8200	01		8.2
Specific conductance	00095	7580	03		75
HCO_3	00440	3440	03		34
CO_3	00445	0000	01		0
Chloride (Cl)	00940	6900	02		6
Sulfate (SO_4)	00945	4800	01		4.
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 43 34	095 21 01	01

unty code 101 County HARRIS

Well # LJ 65-22-103

Project number T4648-01000

Date 9-23-76 Time 1415 Temp°C 30.0

Owner CITY OF HOUSTON

Address SCOTT #6

Date drld 1-21-63 WBF code EVGL.

Sample interval: (top) 580 (bottom) 2140.

Water level 438.79 Appr CLEAR Use PS

Collector BEZANT Yield 2034 GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON Disch. pipe

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

...d chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 29433409521010 1 (2–16)

Y M D 76 09 23 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	5800	03	
...mple ...terval BOTTOM	72016	2140	04	
...ter level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	3000	02		30.0
pH	00400	7900	01		7.9
Specific conductance	00095	7570	03		757
HCO_3	00440	2520	03		252
CO_3	00445	0000	01		0
Chloride (Cl)	00940	7000	02		70
Sulfate (SO_4)	00945	3600	01		3.6
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

FORM NO. 28 RECEIVED 65-22-16 Plotted map 102 (2)

19 1963

TEXAS WATER COMMISSION
AUSTIN, TEXAS

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WELL LOG

REPORT NO. 6267
S. O. 2393-62
PAGE 1 OF 3
FILE NO. 2749
DATE 1-21-63

CUSTOMER LOCATION	WELL DATA
FOR CITY OF HOUSTON	NAME WELL / WELL NO. 6
LOCATION WELL 3335 ADAIR STREET	ELEVATION / DATUM
SURVEY / FIELD	RT / C / TEST HOLE SIZE 9-7/8" & 7-7/8" GR / TD 2521'
COUNTY HARRIS / STATE TEXAS	DATE STARTED DRILLING 12-21-62
OTHER LAND MARKS SCOTT STREET WATER PLANT	DATE FINISHED DRILLING 12-29-62
	DRILLER L. LUTHRINGER / RIG NO. 5A
	TYPE MUD JEL / NO. SACKS 20
	ELECTRIC LOG YES / TYPE SCHLUMBERGER
	SURVEY EASTMAN / TYPE
	OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
0		SURFACE			
4	4	SURFACE SOIL			
18	14	GRAY CLAY, FEW SAND STREAKS			
54	36	RED STICKY CLAY			
115	61	SAND & CLAY STREAKS			
153	38	CLAY & SANDY CLAY STKS.			
163	10	SAND			
188	25	CLAY & SAND STKS.			
195	7	SAND			
215	20	CLAY			
225	10	SAND			
235	10	CLAY			
262	27	SAND & CLAY STKS.			
305	43	CLAY & SANDY CLAY BRKS.			
368	63	SAND & CLAY BRKS.			
421	53	CLAY			
452	31	SAND & CLAY STRKS.			
483	31	CLAY & SAND STRKS.			
540	57	CLAY			
598	58	SAND & SHALE BRKS.			
633	35	CLAY			
665	32	SAND			
710	45	CLAY			
728	18	SAND			
734	6	CLAY			
764	30	SAND			
773	9	SAND & SANDY CLAY STRKS.			
789	16	CLAY			
793	4	SAND			
815	22	CLAY			
839	24	SAND & SANDY CLAY			
843	4	CLAY			
849	6	SAND & SANDY CLAY			
917	68	SAND			
937	20	SHALE			
948	11	SAND			
968	20	SHALE			
992	24	SAND			
1003	11	SAND & SANDY SHALE			

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FORM NO. 28

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WELL LOG

REPORT NO. 6267
S. O. 2393-62
PAGE 2 OF 3
FILE NO. 2749
DATE 1-21-63

CUSTOMER LOCATION

FOR CITY OF HOUSTON

LOCATION WELL 3335 ADAIR STREET

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS SCOTT STREET WATER PLANT

WELL DATA

NAME WELL WELL NO. 6

ELEVATION DATUM

TEST HOLE SIZE RT 9-7/8" & C 7-7/8" TD 2521' GR

DATE STARTED DRILLING 12-21-62

DATE FINISHED DRILLING 12-29-62

DRILLER L. LUTHRINGER RIG NO. 5A

TYPE MUD JEL NO. SACKS 20

ELECTRIC LOG YES TYPE SCHLUMBERGER

SURVEY TYPE

OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
1003					
1009	6	SHALE			
1022	13	SAND			
1044	22	CLAY & SAND BRKS.			
1089	45	SAND & CLAY BREAKS			
1116	27	SHALE			
1156	40	SAND			
1222	66	STICKY SHALE			
1232	10	SANDY SHALE			
1343	111	SHALE			
1368	25	SAND			
1388	20	SANDY SHALE			
1462	74	SHALE & STICKY SHALE			
1513	51	SAND & SHALE BRKS.			
1590	77	SHALE & SANDY SHALE STRKS.			
1665	75	SHALE			
1677	12	SHALE & SANDY SHALE			
1726	49	SAND & STRKS. OF SHALE			
1751	25	SAND			
1766	15	SHALE & SAND BRKS.			
1836	70	HARD SANDY SHALE & SHALE			
1844	8	SHALE			
1880	36	SAND			
1895	15	SAND & SHALE BRKS.			
1906	11	SHALE			
1930	24	SANDY SHALE & SHALE			
1947	17	SAND & SHALE LAYERS			
1958	11	SAND			
2000	42	SHALE			
2025	25	HARD SAND			
2061	36	HARD SAND & SHALE STRKS.			
2092	31	HARD SHALE			
2133	41	SAND & SHALE BRKS.			
2164	31	HARD SHALE		ATTACH.	
2190	26	HARD SANDY SHALE		7 Pages	
2247	57	SAND & SHALE STRKS.		WW # 65-22-1 b	
2330	83	HARD SHALE			
2334	4	SANDY SHALE			
2365	51	HARD SHALE		65-22-103	

FORM NO. 28

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WELL LOG

REPORT NO. 6267
S. O. 2393-62
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FILE NO. 2749
DATE 1-21-63

CUSTOMER LOCATION

FOR CITY OF HOUSTON

LOCATION WELL 3335 ADAIR STREET

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS SCOTT STREET WATER PLANT

WELL DATA

NAME WELL WELL NO. 6

ELEVATION DATUM

RT C GR

TEST HOLE SIZE 9-7/8" & 7-7/8" TD 2521'

DATE STARTED DRILLING 12-21-62

DATE FINISHED DRILLING 12-29-62

DRILLER L. LUTHRINGER RIG NO. 5A

TYPE MUD JEL NO. SACKS 20

ELECTRIC LOG YES TYPE SCHLUMBERGER

SURVEY EASTMAN TYPE

OTHER

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	SAMPLES TYPE	SAMPLES NUMBER
2365					
2426	61	SHALE & SANDY SHALE STREAKS			
2441	15	SAND			
2475	34	SHALE & SAND BRKS.			
2486	11	SHALE			
2496	10	SAND			
2521	25	SHALE & SAND BRKS.			
		TOTAL DEPTH 2521 FT.			

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FORM NO. 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO. 6294
S. O. 2393-62
PAGE 1 OF 2
FILE NO. 2749
DATE 3/6/63

MATERIAL SETTING

CUSTOMER LOCATION

FOR CITY OF HOUSTON

LOCATION WELL 3335 ADAIR STREET

SURVEY FIELD

COUNTY HARRIS STATE TEXAS

OTHER LAND MARKS SCOTT STREET PLANT

WELL DATA

NAME WELL SAME WELL NO. 6

ELEVATION DATUM

TYPE WELL GRAVEL-WALL

SURFACE CASING CEMENTED YES NO. SACKS 865+8% JEL

SIZE HOLE UNDERREAMED 30" DEPTH 2155'

GRAVEL TYPE 12,13,165 NO. CU. YDS. 350

TYPE SCREEN S.S. W.W. GAGE .045"

DRILLER L. LUTHRINGER RIG NO 5A

OTHER B. BIRDWELL & PAT HEFFERNAN

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL	SKETCH
+1'		24" O.D. SURFACE CASING 1' ABOVE GROUND	
0		SURFACE	
500'		TOP OF 12-3/4" O.D. LINER	
570'	571'	24" O.D. SURFACE CASING	
580.25'	80.25'	12-3/4" O.D. BLANK LINER	
599.93'	19.68'	12-3/4" OD SS WW SCREEN .045" GA.	
645.11'	45.18'	12-3/4" O.D. BLANK PIPE	
669.69'	24.58'	12-3/4" OD SS WW SCREEN .045" GA.	
720.04'	50.35'	12-3/4" O.D. BLANK PIPE	
729.65'	9.61'	12-3/4" OD SS WW SCREEN .045" GA.	
755.02'	25.37'	12-3/4" O.D. BLANK PIPE	
779.64'	24.62'	12-3/4" OD SS WW SCREEN .045" GA.	
820.02'	40.38'	12-3/4" O.D. BLANK PIPE	
829.64'	9.62'	12-3/4" OD SS WW SCREEN .045" GA.	
860.00'	30.36'	12-3/4" O.D. BLANK PIPE	
869.66'	9.66'	12-3/4" OD SS WW SCREEN .045" GA.	
900.11'	30.45'	12-3/4" O.D. BLANK PIPE	
924.76'	24.65'	12-3/4" OD SS WW SCREEN .045" GA.	
980.08'	55.32'	12-3/4" O.D. BLANK PIPE	
989.73'	9.65'	12-3/4" OD SS WW SCREEN .045" GA.	
1050.04'	60.31'	12-3/4" O.D. BLANK PIPE	
1059.70'	9.66'	12-3/4" OD SS WW SCREEN .045" GA.	
1080.07'	20.37'	12-3/4" O.D. BLANK PIPE	
1089.73'	9.66'	12-3/4" OD SS WW SCREEN .045" GA.	
1130.06'	40.33'	12-3/4" O.D. BLANK PIPE	
1164.71'	34.65'	12-3/4" OD SS WW SCREEN .045" GA.	
1350.02'	185.31'	12-3/4" O.D. BLANK PIPE	
1364.65'	14.63'	12-3/4" OD SS WW SCREEN .045" GA.	
1389.98'	25.33'	12-3/4" O.D. BLANK PIPE	
1409.67'	19.69'	12-3/4" OD SS WW SCREEN .045" GA.	
1430.04'	20.37'	12-3/4" O.D. BLANK PIPE	
1439.70'	9.66'	12-3/4" OD SS WW SCREEN .045" GA.	
1470.10'	30.40'	12-3/4" O.D. BLANK PIPE	
1494.70'	24.60'	12-3/4" OD SS WW SCREEN .045" GA.	
1500.10'	5.40'	12-3/4" O.D. BLANK PIPE	
1509.77'	9.67'	12-3/4" OD SS WW SCREEN .045" GA.	
1550.11'	40.34'	12-3/4" O.D. BLANK PIPE	
1559.86'	9.75'	12-3/4" OD SS WW SCREEN .045" GA.	
1575.23'	15.37	12-3/4" O.D. BLANK PIPE	

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FORM NO. 1202

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

MATERIAL SETTING

REPORT NO. 6294
S. O. 2393-62
PAGE 2 OF 2
FILE NO. 2749
DATE 3/6/63

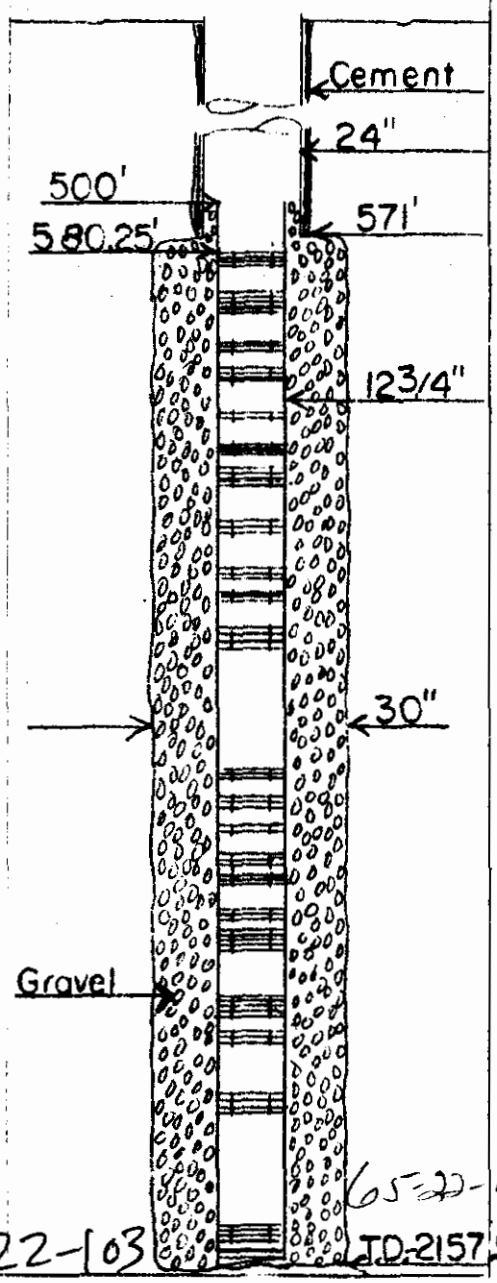
CUSTOMER LOCATION	WELL DATA
FOR CITY OF HOUSTON	NAME WELL SAME WELL NO. 6
LOCATION WELL 3335 ADAIR STREET	ELEVATION DATUM
SURVEY FIELD	TYPE WELL GRAVEL-WALL
COUNTY HARRIS STATE TEXAS	SURFACE CASING CEMENTED YES NO. SACKS 865 +8% JEL
OTHER LAND MARKS SCOTT STREET PLANT	SIZE HOLE UNDERREAMED 30" DEPTH 2155'
	GRAVEL TYPE 112, 13, 165 NO. CU. YDS. 350
	TYPE SCREEN S.S. W.W. GAGE .045"
	DRILLER L. LUTHRINGER RIG NO 5A
	OTHER B. BIRDWELL & PAT HEFFERNAN

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL
1575.23'		
1614.83'	—39.60'	12-3/4" OD SS WW SCREEN .045" GA.
1690.28'	75.45'	12-3/4" O.D. BLANK PIPE
1719.78'	—29.50'	12-3/4" OD SS WW SCREEN .045" GA.
1735.17'	15.39'	12-3/4" O.D. BLANK PIPE
1749.80'	— 14.63'	12-3/4" OD SS WW SCREEN .045" GA.
1850.16'	100.36'	12-3/4" O.D. BLANK PIPE
1829.84'	—29.68'	12-3/4" OD SS WW SCREEN .045" GA.
2105.41'	225.57'	12-3/4" O.D. BLANK PIPE
2140.04'	—34.63'	12-3/4" OD SS WW SCREEN .045" GA.
2155.25'	15.21'	12-3/4" O.D. BLANK PIPE
2157.50'	2.25'	12-3/4" O.D. SET NIPPLE & B.P. VALVE

TOTAL DEPTH 2157.50'

NOTE: DRAWING NOT TO SCALE.

SKETCH



65-22-1a

65-22-103

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 6295
P. O. 2393-62
PAGE 1 OF 3
FILE NO. 2749
DATE 3/6/63

CUSTOMER LOCATION

TEST FOR: CITY OF HOUSTON
LOCATION OF WELL: 3335 ADAIR STREET
SURVEY: FIELD:
COUNTY: HARRIS STATE: TEXAS
DESCRIPTION OF LAND MARKS: SCOTT STREET PLANT

WELL DATA

NAME WELL: SAME WELL NO. 6
ELEVATION: DATUM:
WELL SIZE: 24" x 12-3/4" x 30" UR
TOTAL DEPTH: 2157.50' TOP SCREEN: 580.25'
GRAVEL WELL: YES STRAIGHT WELL:
TYPE SCREEN: S.S. W.W. GAGE: .045"
TEMPERATURE OF WATER: 83.5° F.
WATER CONDITION:

WATER MEASURING DEVICE

ORIFICE SIZE: 10"x12" LENGTH:
OTHER: USED ELECTRICAL TAPE FOR MEASUREMENT

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL: 400'
LENGTH AIR LINE: 400' SIZE: 1/4"
TYPE BOWL: 18" RKHC NO. STAGES: 3
LENGTH BOWL: SUCTION I.E.:

SAND CONTENT: 0 OZ. PER 100 GAL.
WATER SAMPLE TAKEN: No NO. SAMPLES:
BACTERIA: TOTAL SAMPLES TAKEN:
DRAWDOWN: SPECIFIC CAPACITY:

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN	281.36 FT	20 MIN	275.23 FT
10 MIN	274.58 FT	25 MIN	274.44 FT
15 MIN	276 FT	30 MIN	274.09 FT

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH PRESS	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
2/21/63	STARTED TEST AT 6:00 A.M.							
7:00 AM		336.25			3110		L.S.L.	
8:00		337.45		39	3088			
9:00		337.33		38.5	3068			
10:00		336.31		37	3002			
11:00		340.23		40	3130			STEPPED UP MOTOR
12:00 N		341.59		41	3160			
1:00 PM		341.80		41	3160			
2:00		343.12		42.5	3219			MOTORS SPEEDED UP
3:00		339.36		38.5	3068			SLOWED PUMP
4:00		340.20		39	3088		P.B.H.	
5:00		340.00		39	3088			SLOWED PUMP @ 5:15
6:00		339.80		38.5	3068			
7:00		340.51		39	3088			
8:00		340.45		39	3088			
9:00		340.47		39	3088			
10:00		341.45		39.5	3110			
11:00		341.55		39.5	3110			
12:00 M	2/22/63	341.21		39.5	3110			
1:00 AM		341.03		39	3088			
2:00		341.53		39.5	3110			
3:00		341.92		40	3130			
4:00		342.70		40.5	3146			
5:00		341.90		40	3130			
6:00		339.45		38.5	3068			
7:00		343.28		41.5	3179			
8:00		343.46		41	3160			

OBSERVERS

MR. D. E. VAN BUSKIRK
FOR OWNER

L. LUTHRINGER, P. HEFFERNAN
FOR LAYNE TEXAS CO.

FORM NO. 29

65-22-103 65-22-1

LAYNE TEXAS COMPA...

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO 6295
S O 2393-62
PAGE 2 OF 3
FILE NO 2749
DATE 3/6/63

CUSTOMER LOCATION

TEST FOR: CITY OF HOUSTON
LOCATION OF WELL: 3335 ADAIR STREET
SURVEY: FIELD:
COUNTY: HARRIS STATE: TEXAS
DESCRIPTION OF LAND MARKS: SCOTT STREET PLANT

WELL DATA

NAME WELL: SAME WELL NO: 6
ELEVATION: DATUM:
WELL SIZE: 24" x 12-3/4" x 30" UR
TOTAL DEPTH: 2157.50' TOP SCREEN: 580.25'
GRAVEL WELL: YES STRAIGHT WELL:
TYPE SCREEN: S.S. W.W. CASE: .045"
TEMPERATURE OF WATER: 83.5° F.
WATER CONDITION:

WATER MEASURING DEVICE

ORIFICE SIZE: 10"x12" LENGTH:
OTHER: USED ELECTRICAL TAPE FOR MEASUREMENT

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL: 400'
LENGTH AIR LINE: 400' SIZE: 1/4"
TYPE BOWL: 18" RKHC NO. STAGES: 3
TENSION BOW: SUCTION PIT:

SAND CONTENT: 0 OZ. PER 100 GAL.

WATER SAMPLE TAKEN: NO NO. SAMPLES:
BACTERIA IN SAMPLE:
DRAWDOWN: SPECIFIC CAPACITY:

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN	FT	20 MIN	FT
10 MIN	FT	25 MIN	FT
15 MIN	FT	30 MIN	FT

DATE H.R.	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
9:00AM		341.62		39	3088			
10:00		341.69		39	3088			
11:00		341.74		39	3088			
12:00 N		341.59		38.5	3068			
1:00 PM		341.08		38	3046			
2:00		340.85		38	3046			
3:00		340.50		38	3046			STOPPED 5 MIN.
4:00		340.45		38.5	3068		P.B.H.	
5:00		341.20		39.5	3110			
6:00		341.55		39	3088			
7:00		341.55		39	3088			
8:00		341.70		39.5	3110			SLOWED PUMP @ 8:15
9:00		341.20		39	3088			TO 38"
10:00		341.10		38.5	3068			
11:00		339.80		37.5	3024			MOTORS SLOWED TO
12:00 M	2/23/63	339.80		37.5	3024			24" @ 11 PM
1:00 AM		340.70		38	3046			
2:00		340.70		38	3046			
3:00		340.76		38	3046			
4:00		340.80		38	3046			
5:00		340.70		38	3046			
6:00		340.60		38	3046			

OBSERVERS
MR. D. E. VAN BUSKIRK
FOR OWNER

L. LUTHRINGER, PAT HEFFERNAN
FOR LAYNE TEXAS CO.

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LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 6295
S.O. 2393-62
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DATE 3/6/63

CUSTOMER LOCATION

TEST FOR: CITY OF HOUSTON

LOCATION OF WELL: 3335 ADAIR STREET

SURVEY: FIELD:

COUNTY: HARRIS STATE: TEXAS

DESCRIPTION OF LAND MARKS: SCOTT STREET PLANT

WELL DATA

NAME WELL: SAME WELL NO: 6

ELEVATION: DATUM:

WELL SIZE: X X

TOTAL DEPTH: TOP SCREEN:

GRAVEL WELL: STRAIGHT WELL:

TYPE SCREEN: GAGE:

TEMPERATURE OF WATER:

WATER CONDITION:

WATER MEASURING DEVICE

ORIFICE SIZE: LENGTH:

OTHER:

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL:

LENGTH AIR LINE: SIZE:

TYPE BOWL: NO. STAGES:

SEAL TO BOWL: SUCTION I.T.:

SAND CONTENT: OZ. PER 100 GAL.

WATER SAMPLE TAKEN: NO. SAMPLES:

BACTERIOLOGICAL SAMPLE TAKEN:

DRAWDOWN: SPECIF. CAPACITY:

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN	FT	20 MIN	FT
10 MIN	FT	25 MIN	FT
15 MIN	FT	30 MIN	FT

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH PRESS	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
RECOVERY RUN BY U.S.G.S.								
2/23/63		W.L.						
6:00 AM		281.36						
6:10		277.33						
6:15		276.28						
6:20		275.55						
6:25		274.98						
6:30		274.51						
6:35		274.20						
6:40		273.79						
6:45		273.52						
6:50		273.26						
7:00		272.82						
7:10		272.44						
7:22		272.06						
7:30		271.83						
7:40		271.59						
7:43		271.53						

OBSERVERS
MR. D. E. VAN BUSKIRK

U. S. G. S.
L. LUTHRINGER, PAT HEFFERNAN
FOR LAYNE TEXAS CO.

2588

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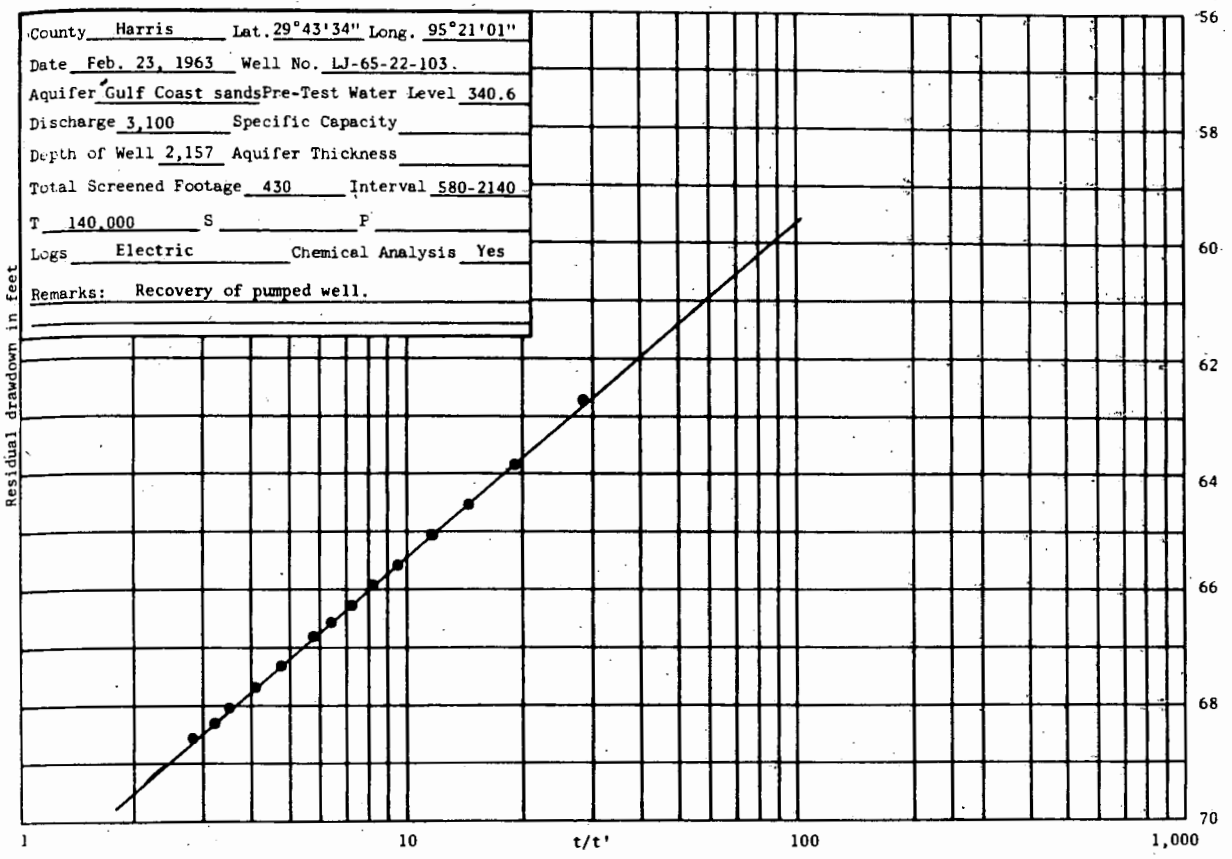

County Harris Lat. 29°43'34" Long. 95°21'01"
Date Feb. 23, 1963 Well No. LJ-65-22-103.
Aquifer Gulf Coast sands Pre-Test Water Level 340.6
Discharge 3,100 Specific Capacity
Depth of Well 2,157 Aquifer Thickness
Total Screened Footage 430 Interval 580-2140
T 140,000 S P
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Residual drawdown in feet
56
58
60
62
64
66
68
70
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-103

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522103
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7258333
Latitude (degrees minutes seconds)	29° 43' 33" N
Longitude (decimal degrees)	-95.3502806
Longitude (degrees minutes seconds)	095° 21' 01.01" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	2157
Well Depth Source	Driller's Log
Drilling Start Date	12/21/1962
Drilling End Date	12/29/1962
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	Unknown
Surface Completion	
Owner	City of Houston
Driller	Layne Texas
Other Data Available	Aquifer Test; Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	294334095210101
Texas Commission on Environmental Quality Source Id	G1010013AQ
Groundwater Conservation District Well Number	
Owner Well Number	Scott Street #6
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/4/1999
Last Update Date	6/11/2018

Remarks	Aquifer test results in TWDB R-98. Test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	570
12	Blank	Steel			500	580
12	Screen	Stainless Steel			580	600
12	Blank	Steel			600	645
12	Screen	Stainless Steel			645	670
12	Blank	Steel			670	720
12	Screen	Stainless Steel			720	730
12	Blank	Steel			730	755
12	Screen	Stainless Steel			755	780
12	Blank	Steel			780	820
12	Screen	Stainless Steel			820	830
12	Blank	Steel			830	860
12	Screen	Stainless Steel			860	870
12	Blank	Steel			870	900

12	Screen	Stainless Steel			900	925
12	Blank	Steel			925	980
12	Screen	Stainless Steel			980	990
12	Blank	Steel			990	1050
12	Screen	Stainless Steel			1050	1060
12	Blank	Steel			1060	1080
12	Screen	Stainless Steel			1080	1090
12	Blank	Steel			1090	1130
12	Screen	Stainless Steel			1130	1165
12	Blank	Steel			1165	1350
12	Screen	Stainless Steel			1350	1365
12	Blank	Steel			1365	1390
12	Screen	Stainless Steel			1390	1410
12	Blank	Steel			1410	1430
12	Screen	Stainless Steel			1430	1440
12	Blank	Steel			1440	1470
12	Screen	Stainless Steel			1470	1495
12	Blank	Steel			1495	1500
12	Screen	Stainless Steel			1500	1510
12	Blank	Steel			1510	1550
12	Screen	Stainless Steel			1550	1560
12	Blank	Steel			1560	1575
12	Screen	Stainless Steel			1575	1615
12	Blank	Steel			1615	1690
12	Screen	Stainless Steel			1690	1720
12	Blank	Steel			1720	1735
12	Screen	Stainless Steel			1735	1750
12	Blank	Steel			1750	1850
12	Screen	Stainless Steel			1850	1880
12	Blank	Steel			1880	2105
12	Screen	Stainless Steel			2105	2140
12	Blank	Steel			2140	2157

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
2/23/1963	Unknown	3024	79	48

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	4	Surface soil
4	18	Gray clay, few sand streaks
18	54	Red sticky clay
54	115	Sand and clay streaks
115	153	Clay and sandy clay streaks
153	163	Sand
163	188	Clay and sand streaks

188	195	Sand
195	215	Clay
215	225	Sand
225	235	Clay
235	262	Sand and clay streaks
262	305	Clay and sandy clay streaks
305	368	Sand and clay streaks
368	421	Clay
421	452	Sand and clay streaks
452	483	Clay and sand streaks
483	540	Clay
540	598	Sand and shale breaks
598	633	Clay
633	665	Sand
665	710	Clay
710	728	Sand
728	734	Clay
734	764	Sand
764	773	Sand and sandy clay streaks
773	789	Clay
789	793	Sand
793	815	Clay
815	839	Sand and sandy clay
839	843	Clay
843	849	Sand and sandy clay
849	917	Sand
917	937	Shale
937	948	Sand
948	968	Shale
968	992	Sand
992	1003	Sand and sandy shale
1003	1009	Shale
1009	1022	Sand
1022	1044	Clay and sand breaks
1044	1089	Sand and clay breaks
1089	1116	Shale
1116	1156	Sand
1156	1222	Sticky shale
1222	1232	Sandy shale
1232	1343	Shale
1343	1368	Sand
1368	1462	Shale and sticky shale
1462	1513	Sand and shale breaks
1513	1590	Shale and sandy shale streaks
1590	1665	Shale

1665	1677	Shale and sandy shale
1677	1726	Sand and streaks of shale
1726	1751	Sand
1751	1766	Shale and sand breaks
1766	1836	Hard sandy shale and shale
1836	1844	Shale
1844	1880	Sand
1880	1895	Sand and shale breaks
1895	1906	Shale
1906	1930	Sandy shale and shale
1930	1947	Sand and shale layers
1947	1958	Sand
1958	2000	Shale
2000	2025	Hard sand
2025	2061	Hard sand and shale streaks
2061	2092	Hard shale
2092	2133	Sand and shale breaks
2133	2164	Hard shale
2164	2190	Hard sandy shale
2190	2247	Sand and shale streaks
2247	2330	Hard shale
2330	2334	Sandy shale
2334	2365	Hard shale
2365	2426	Shale and sandy shale streaks
2426	2441	Sand
2441	2475	Shale and sand streaks
2475	2486	Shale
2486	2496	Sand
2496	2521	Shale and sand breaks

Annular Seal Range

Annular Seal Material	Amount	Unit	Top Depth (ft.)	Bottom Depth (ft.)
Cement		Unknown	0	571

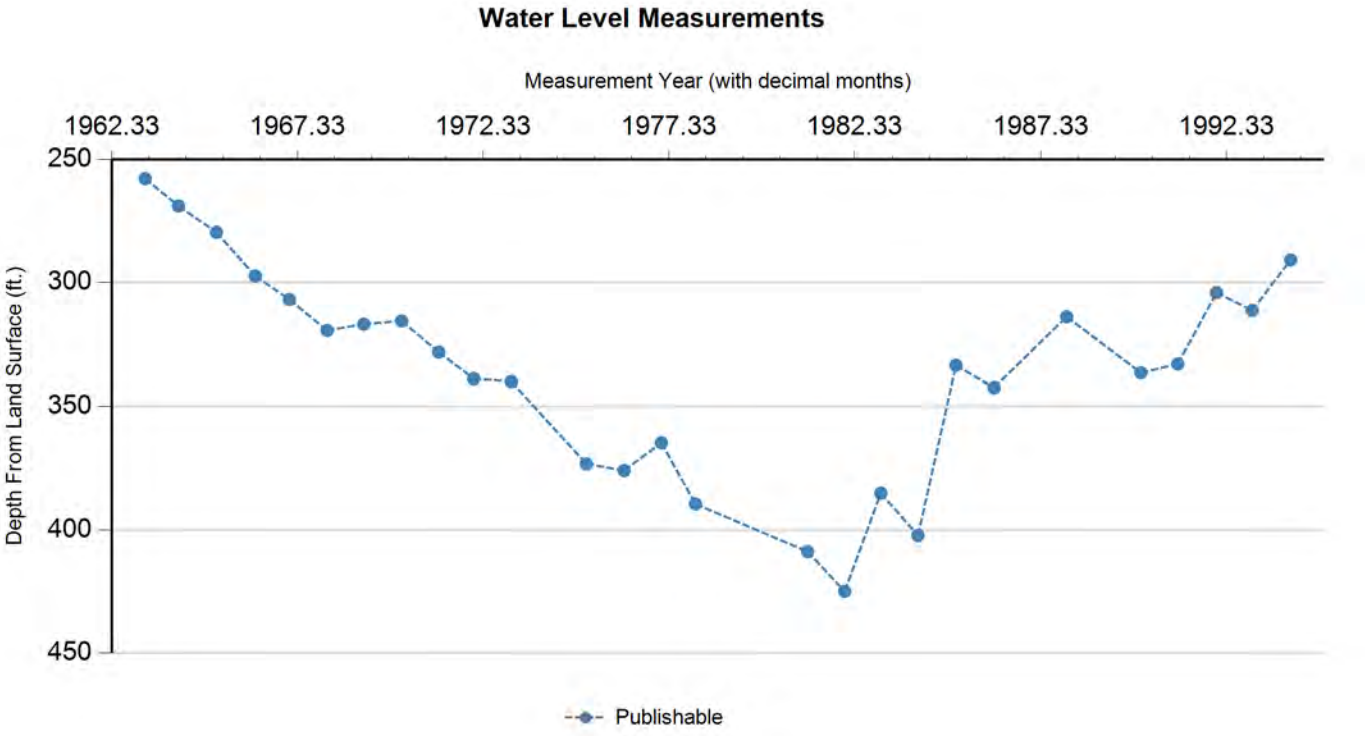
Borehole - No Data

Plugged Back - No Data

Filter Pack

Filter Material	Top Depth (ft.)	Bottom Depth (ft.)	Size
Gravel	571	2157	

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/22/1963		257.8		-212.8	1	Registered Water Well Driller	Unknown		
P	2/14/1964		268.93	11.13	-223.93	1	U.S. Geological Survey	Steel Tape		
P	2/22/1965		279.57	10.64	-234.57	1	U.S. Geological Survey	Steel Tape		
P	3/9/1966		297.3	17.73	-252.3	1	U.S. Geological Survey	Steel Tape		
P	2/9/1967		306.83	9.53	-261.83	1	U.S. Geological Survey	Steel Tape		
P	2/15/1968		319.4	12.57	-274.4	1	U.S. Geological Survey	Steel Tape		
P	2/10/1969		316.83	(2.57)	-271.83	1	U.S. Geological Survey	Steel Tape		
P	2/17/1970		315.51	(1.32)	-270.51	1	U.S. Geological Survey	Steel Tape		
P	2/16/1971		328.16	12.65	-283.16	1	U.S. Geological Survey	Steel Tape		
P	1/25/1972		338.85	10.69	-293.85	1	U.S. Geological Survey	Steel Tape		
P	1/30/1973		340	1.15	-295	1	U.S. Geological Survey	Air Line		
P	2/7/1975		373.24	33.24	-328.24	1	U.S. Geological Survey	Steel Tape		
P	2/12/1976		375.96	2.72	-330.96	1	U.S. Geological Survey	Steel Tape		
P	2/14/1977		364.68	(11.28)	-319.68	1	U.S. Geological Survey	Steel Tape		
P	1/13/1978		389.5	24.82	-344.5	1	U.S. Geological Survey	Steel Tape		
P	1/21/1981		408.82	19.32	-363.82	1	U.S. Geological Survey	Steel Tape		
P	1/20/1982		424.93	16.11	-379.93	1	U.S. Geological Survey	Steel Tape		
P	1/10/1983		385.1	(39.83)	-340.1	1	U.S. Geological Survey	Steel Tape		
P	1/10/1984		402.3	17.20	-357.3	1	U.S. Geological Survey	Steel Tape		
P	1/18/1985		333.5	(68.80)	-288.5	1	U.S. Geological Survey	Steel Tape		
P	1/28/1986		342.49	8.99	-297.49	1	U.S. Geological Survey	Steel Tape		

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/11/1988		313.82	(28.67)	-268.82	1	U.S. Geological Survey	Unknown		
P	1/10/1990		336.52	22.70	-291.52	1	U.S. Geological Survey	Unknown		
P	1/8/1991		332.96	(3.56)	-287.96	1	U.S. Geological Survey	Steel Tape		
P	1/23/1992		304.05	(28.91)	-259.05	1	U.S. Geological Survey	Steel Tape		
P	1/8/1993		311.27	7.22	-266.27	1	U.S. Geological Survey	Steel Tape		
P	1/21/1994		290.83	(20.44)	-245.83	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/23/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.49	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330	mg/L	
00910	CALCIUM (MG/L)		10	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		37	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.9	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.66		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		10.54		
00932	SODIUM, CALCULATED, PERCENT		89	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		148	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		694	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		410	mg/L	

Water Quality Analysis

Sample Date: 7/29/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		280.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		342	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		714	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/19/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		370	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		71	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		749	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/16/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		298.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		364	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		770	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/8/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		290.16	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		354	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		41	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		755	MICR	

Water Quality Analysis

Sample Date: 2/19/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		281.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		59	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		80	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		708	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 2/18/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		291.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		67	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		48	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		750	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 8/7/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		291.8	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		773	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/2/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		219.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		268	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		120	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		548	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/21/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.59	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		274	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		110	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		548	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 2/19/1974 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		68	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		46	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		757	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/4/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		281.97	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		344	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		69	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		758	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 2/6/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		286.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		349	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		762	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		757	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		30	C	

Water Quality Analysis

Sample Date: 5/17/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		738	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/16/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		286.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		350	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		73	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		763	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 3/13/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		286.89	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		350	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		769	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-103

Water Quality Analysis

Sample Date: 9/15/1993 **Sample Time:** 1330 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:**

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00940	CHLORIDE, TOTAL (MG/L AS CL)		37	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		543	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		37	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board

Well Schedule

State Well Number 6522104 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294446 **Longitude** 952129 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Seven-Up Bottling Co.

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1937 **Depth** 388 **Source of Depth** **Altitude** 47 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION

Const-Method

Casing Material

Screen Material

Completion

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from____to____

LIFT DATA - Pump Mfr. - _____ **Type -** **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1937
-66

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178: Screen from 340 to 386 ft.
Yield: 85 gpm with 26 ft. drawdown when drilled.

Aquifer - 112CHCTL **ID -** 15

CHICOT AQUIFER,LOWER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-104

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522104
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.746111
Latitude (degrees minutes seconds)	29° 44' 46" N
Longitude (decimal degrees)	-95.358056
Longitude (degrees minutes seconds)	095° 21' 29" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	47
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	388
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1937
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Seven-Up Bottling Co.
Driller	Layne Texas Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: Screen from 340 to 386 ft. Yield: 85 gpm with 26 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

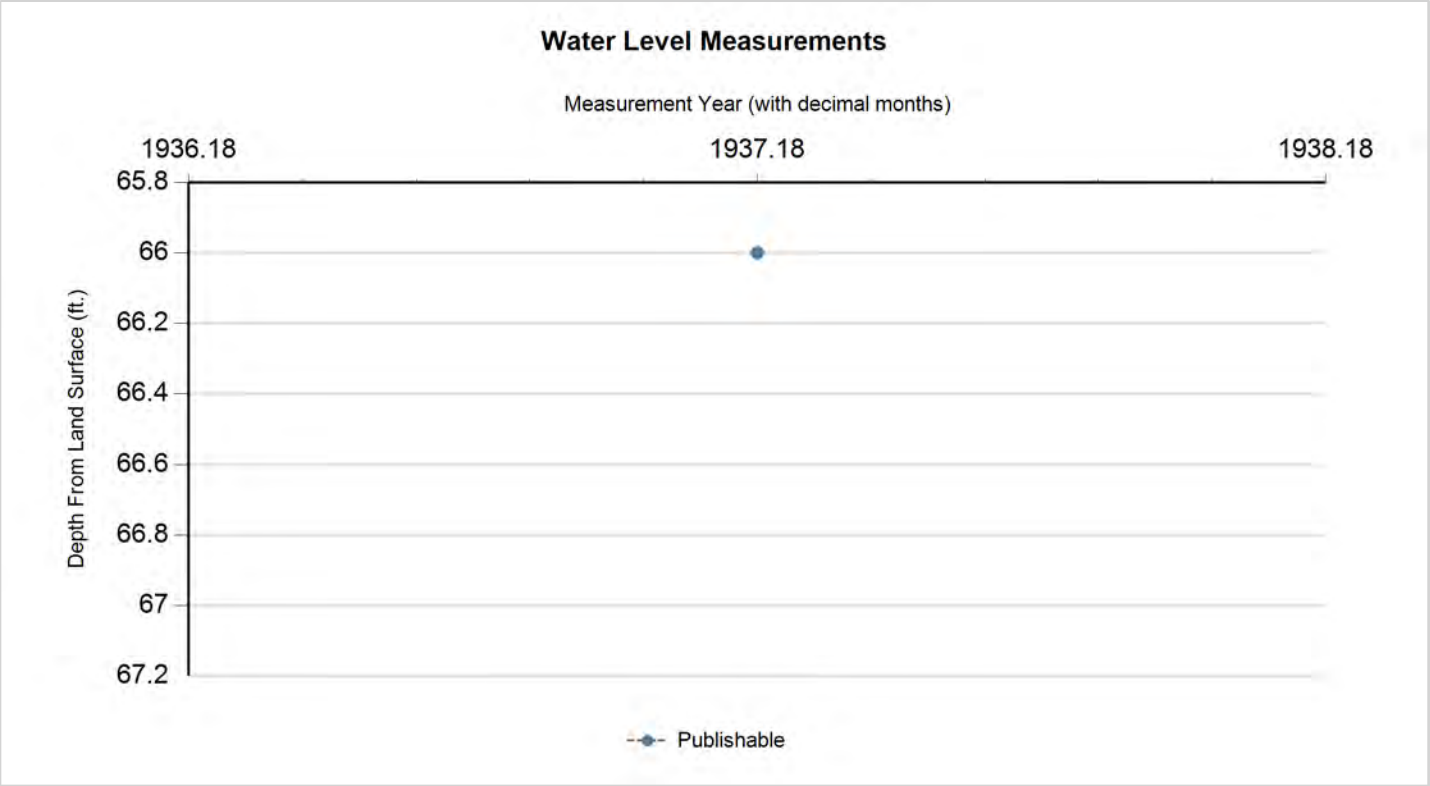
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/7/1937		66		-19	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-22-104

groundwater division

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Texas Water Development Board
Well Schedule

State Well Number 6522106 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294342 **Longitude** 952059 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
City of Houston
Scott St. #5

Driller
Layne Texas Co.

Address _____ **Tenant/Oper.** _____

Date Drilled 11/15/1938 **Depth** 957 **Source of Depth** D **Altitude** 44 **Source of Alt.** M

Well Type W **User** 396200

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - Pump Mfr. - _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** N **Quality -** Y **Logs -** E **Other Data -** A

WATER LEVELS

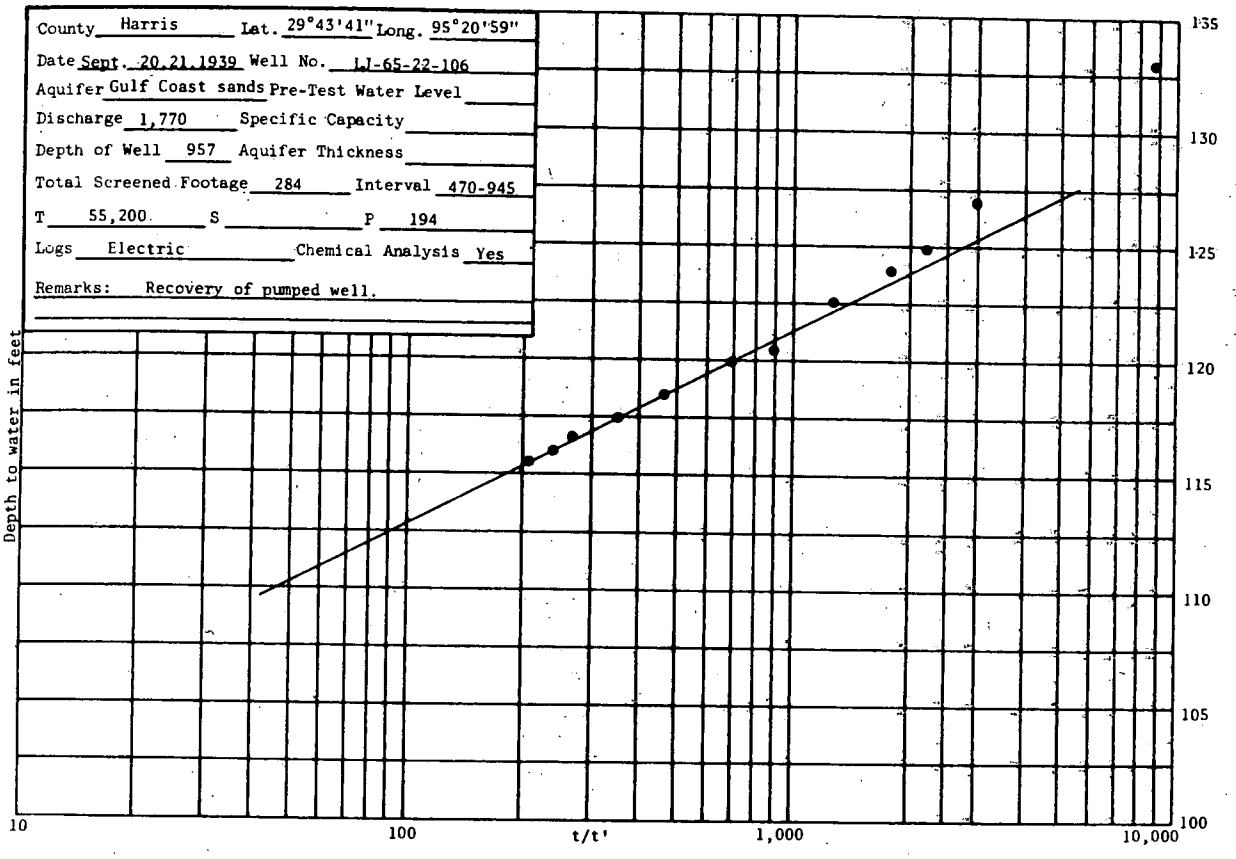
Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency 02

REMARKS -
Measured discharge 1770 GPM in 1939. Aquifer test data in TWDB R-98.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER


County Harris Lat. 29°43'41" Long. 95°20'59"
Date Sept. 20,21,1939 Well No. LJ-65-22-106
Aquifer Gulf Coast sands Pre-Test Water Level
Discharge 1,770 Specific Capacity
Depth of Well 957 Aquifer Thickness
Total Screened Footage 284 Interval 470-945
T 55,200 S P 194
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
135
130
125
120
115
110
105
100
10
100
t/t'
1,000
10,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-106

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522106
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.728333
Latitude (degrees minutes seconds)	29° 43' 42" N
Longitude (decimal degrees)	-95.349722
Longitude (degrees minutes seconds)	095° 20' 59" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	44
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	957
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	11/15/1938
Drilling Method	
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Scott St. #5
Driller	Layne Texas Co.
Other Data Available	Aquifer Test; Electric Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/20/1939
Last Update Date	4/28/2011

Remarks	Reported yield 1770 GPM in 1939. Aquifer test results in TWDB R-98. No test data in TWDB files. Reported screened 284 feet between 470 and 945 feet.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 3/13/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		210.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		257	mg/L	
00910	CALCIUM (MG/L)		34	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		118	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.85		
00955	SILICA, DISSOLVED (MG/L AS SI02)		6	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.57		
00932	SODIUM, CALCULATED, PERCENT		54	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		64	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		272	mg/L	

Water Quality Analysis

Sample Date: 2/0/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		124	mg/L	

Water Quality Analysis

Sample Date: 2/7/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		198.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		242	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		138	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		482	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		245	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		137	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		487	MICR	

Water Quality Analysis

Sample Date: 3/16/1951 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		180.33	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		220	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		167.21	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		204	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		128	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		443	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		246	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		136	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		480	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Water Quality Analysis

Sample Date: 3/2/1954 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		236	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		122	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		476	MICR	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 118 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 45 Longitude - 95 21 04 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Scott Street #2

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1926 Depth - 1,521 ft. Source of Depth - Altitude - 45 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 01/00/1926 Measurement- -22.00
Date- 03/06/1959 Measurement- -225.60

Recorded By _____ Date Record Collected or Updated- / /

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -
Screen from 1323 to 1521 ft. Test hole drilled to 1614 ft. Well destroyed. Well 2.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-118

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522118
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.729167
Latitude (degrees minutes seconds)	29° 43' 45" N
Longitude (decimal degrees)	-95.351112
Longitude (degrees minutes seconds)	095° 21' 04" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1521
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1926
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Scott Street #2
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	Screen from 1323 to 1521 ft. Test hole drilled to 1614 ft. Well destroyed. Well 2.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

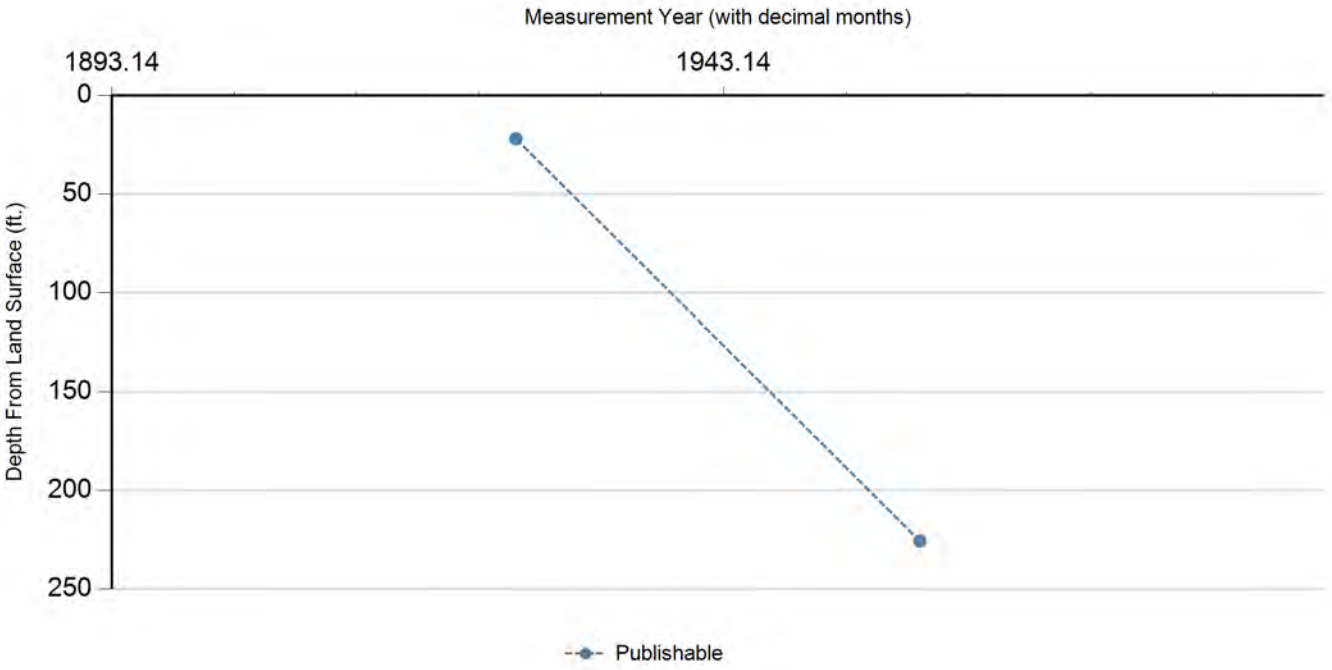
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/0/1926		22		23	1	Texas Water Development Board	Steel Tape		
P	3/6/1959		225.6	203.60	-180.6	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-118

Water Quality Analysis

Sample Date: 9/26/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		278.69	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		340	mg/L	
00910	CALCIUM (MG/L)		8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		53	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		33	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.92		
00955	SILICA, DISSOLVED (MG/L AS SI02)		12	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.25		
00932	SODIUM, CALCULATED, PERCENT		90	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		147	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		0	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		390	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 119 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 45 Longitude - 95 21 02 Source of Coords - 3

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Scott Street #1

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1925 Depth - 866 ft. Source of Depth - Altitude - 45 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 06/25/1925 Measurement- -46.80
Date- 09/10/1941 Measurement- -138.00

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -
150 ft of screen between 651 and
866 ft. Reported yield 1300 gpm
with 91 ft drawdown when drilled.
Test hole drilled to 1603 ft.
Well destoryed. Well 1.

Aquifer - 121EVGL
Well No. - 65 22 119

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-119

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522119
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.729167
Latitude (degrees minutes seconds)	29° 43' 45" N
Longitude (decimal degrees)	-95.350556
Longitude (degrees minutes seconds)	095° 21' 02" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	866
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1925
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Scott Street #1
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	9/25/1997
Last Update Date	9/25/1997

Remarks	150 ft of screen between 651 and 866 ft. Reported yield 1300 gpm with 91 ft drawdown when drilled. Test hole drilled to 1603 ft. Well destoryed. Well 1.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

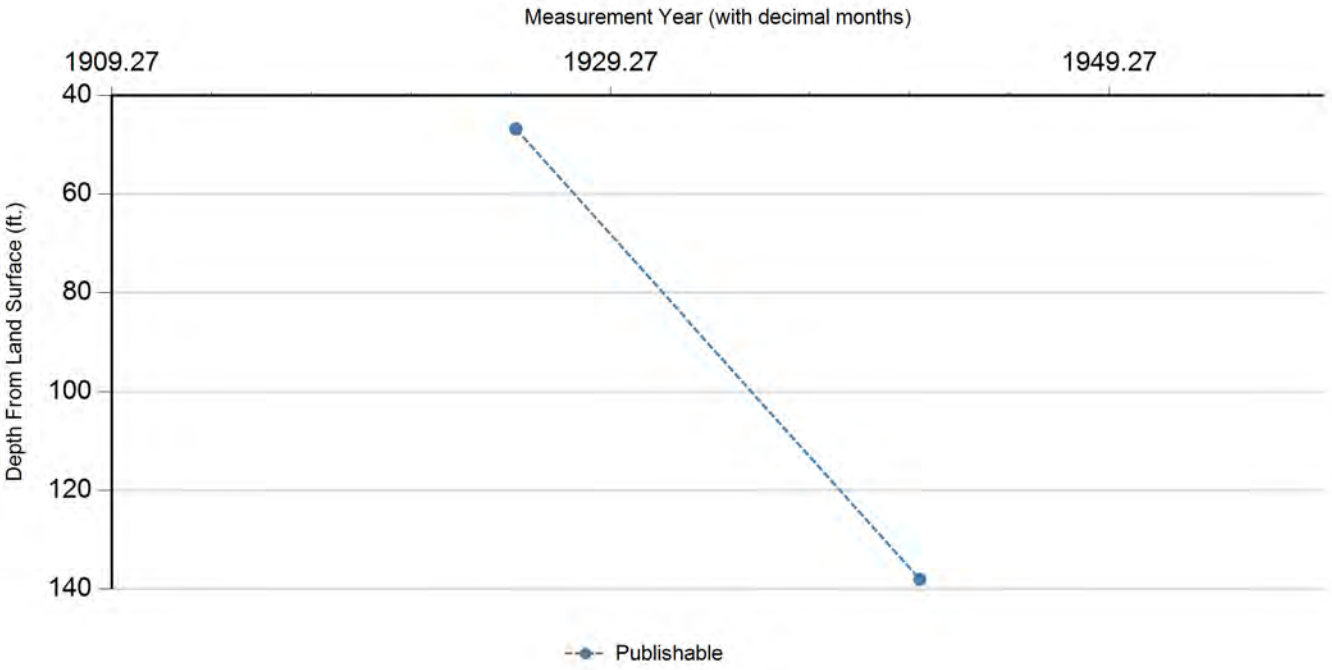
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-119

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/25/1925		46.8		-1.8	1	Texas Water Development Board	Steel Tape		
P	9/10/1941		138	91.20	-93	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-119

Water Quality Analysis

Sample Date: 11/26/1935 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		198.36	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		242	mg/L	
00910	CALCIUM (MG/L)		39	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		114	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		5000	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.6		
00955	SILICA, DISSOLVED (MG/L AS SI02)		4	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.24		
00932	SODIUM, CALCULATED, PERCENT		50	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		253	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6522120 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294336 **Longitude** 952103 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
City of Houston
Scott Street #3

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1928 **Depth** 1350 **Source of Depth** **Altitude** 45 **Source of Alt.** M

Well Type W **User** 396200

WELL CONSTRUCTION

Const-Method

Completion

Casing Material Blank

Screen Material Blank

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -** AC

WATER LEVELS 2 measurements
1928 to 1964
MIN -234.1 MAX -62

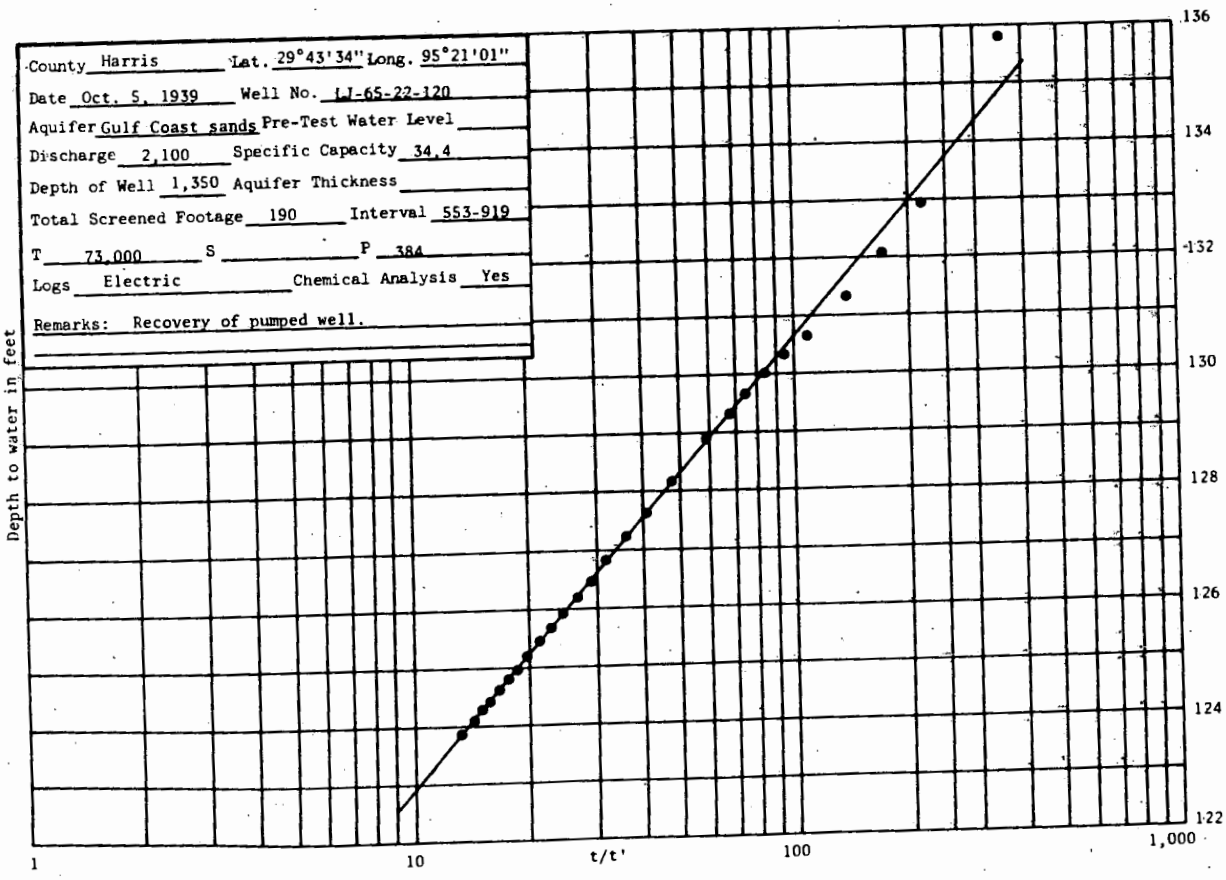
Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency 02

REMARKS -
190 ft of screen between 553 and 919 ft. Reported yield 1260 gpm with 76 ft drawdown when drilled. Test hole drilled to 1366 ft. Aquifer test data in TWDB R-98. Well 3.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER


County Harris Lat. 29°43'34" Long. 95°21'01"
Date Oct. 5, 1939 Well No. LJ-65-22-120
Aquifer Gulf Coast sands Pre-Test Water Level
Discharge 2,100 Specific Capacity 34.4
Depth of Well 1,350 Aquifer Thickness
Total Screened Footage 190 Interval 553-919
T 73,000 S P 384
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
136
134
132
130
128
126
124
122
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-120

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522120
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.726667
Latitude (degrees minutes seconds)	29° 43' 36" N
Longitude (decimal degrees)	-95.350834
Longitude (degrees minutes seconds)	095° 21' 03" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1350
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1928
Drilling Method	
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Scott Street #3
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/5/1939
Last Update Date	4/28/2011

Remarks	Screened 190 feet between 553 and 919 feet. Reported yield 2100 GPM with 61 feet recovery in 1939. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

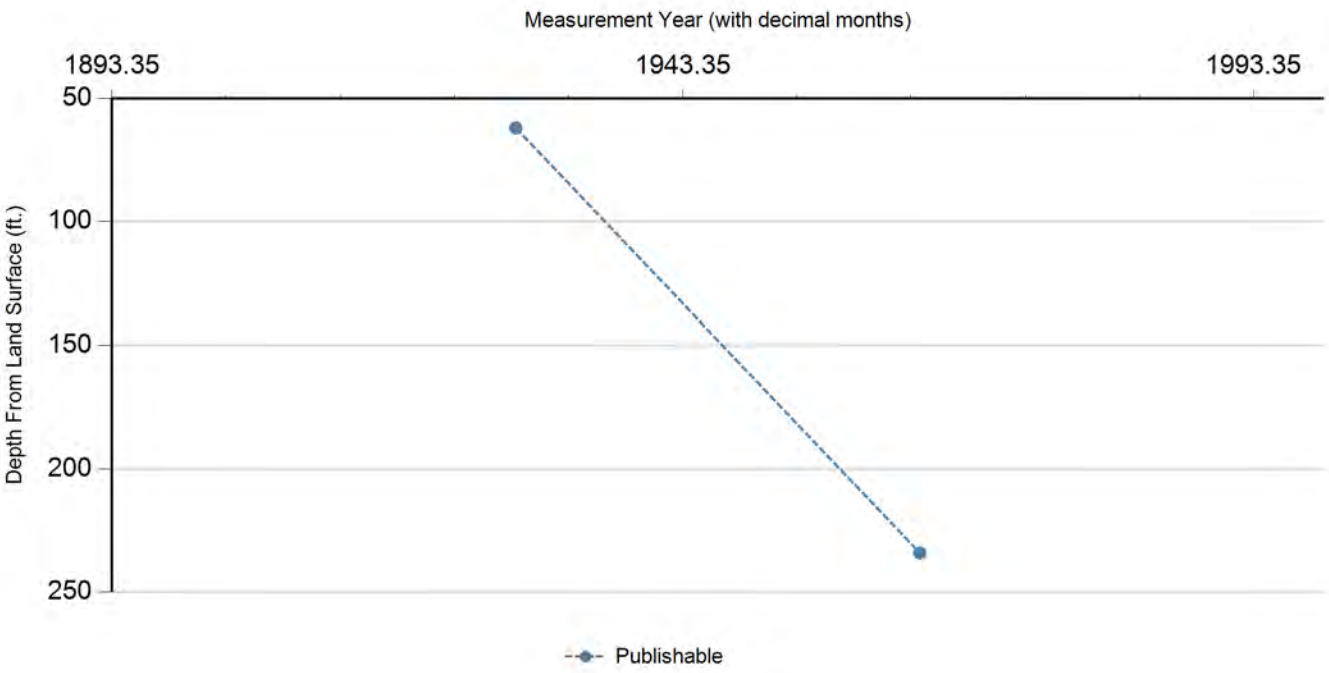
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-120

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/0/1928		62		-17	1	Texas Water Development Board	Steel Tape		
P	2/14/1964		234.1	172.10	-189.1	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-120

Water Quality Analysis

Sample Date: 9/26/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		210.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		257	mg/L	
00910	CALCIUM (MG/L)		29	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		117	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		1000	ug/L	
00920	MAGNESIUM (MG/L)		11	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.86		
00955	SILICA, DISSOLVED (MG/L AS SI02)		12	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.81		
00932	SODIUM, CALCULATED, PERCENT		56	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		70	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		19	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		296	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6522121 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294335 **Longitude** 952102 **Source of Coords** 3

Owner's Well No. _____ **Location** _____

Owner
City of Houston
Scott Street #4

Driller
Layne Texas

Address _____ **Tenant/Oper.** _____

Date Drilled / /1931 **Depth** 1756 **Source of Depth** **Altitude** 45 **Source of Alt.** M

Well Type W **User** 396200

WELL CONSTRUCTION
Const-Method
Completion
Casing Material Blank
Screen Material Blank
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____**to**_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** NONE **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** blank **Horsepower -**

YIELD Flow- _____**GPM** **Pump** _____**GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** UNUSED **Secondary -** blank **Tertiary -** blank

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** Y **Logs -** **Other Data -** AC

WATER LEVELS 2 measurements
1931 to 1955
MIN -228.1 MAX -58

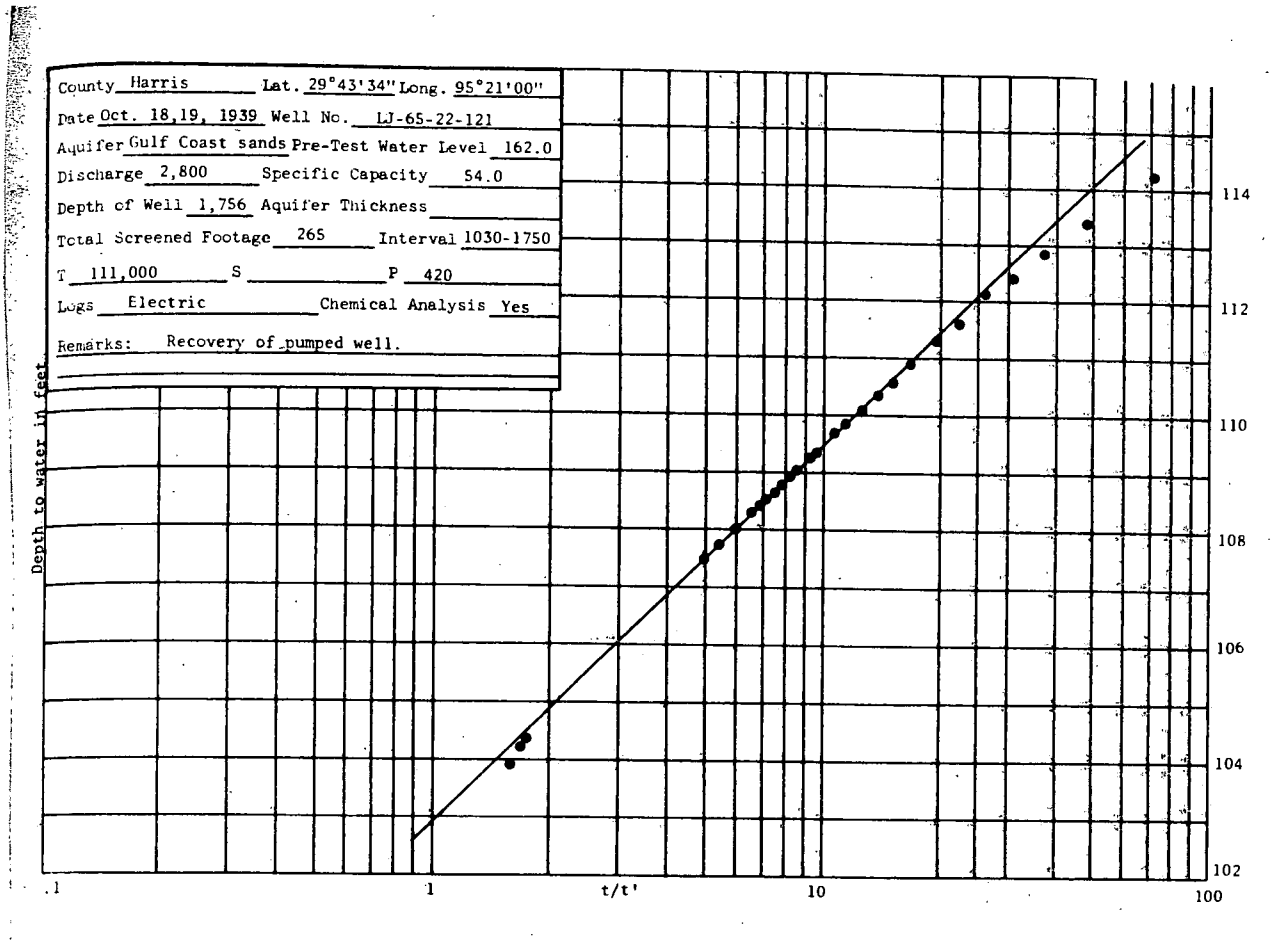
Recorded By _____ **Date Record Collected or Updated -** / /

Reporting Agency

REMARKS -
265 ft of screen between 1030 and 1750 ft. Reported yield 1880 gpm with 36 ft drawdown when drilled.
Test hole drilled to 2145 ft.
Aquifer test data in TWDB R-98.
Well 4, destroyed.

Aquifer - 121EVGL **ID -** 15

EVANGELINE AQUIFER


County Harris Lat. 29°43'34" Long. 95°21'00"
Date Oct. 18,19, 1939 Well No. LJ-65-22-121
Aquifer Gulf Coast sands Pre-Test Water Level 162.0
Discharge 2,800 Specific Capacity 54.0
Depth of Well 1,756 Aquifer Thickness
Total Screened Footage 265 Interval 1030-1750
T 111,000 S P 420
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Depth to water in feet
114
112
110
108
106
104
102
.1
1
t/t'
10
100

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-121

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522121
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.726389
Latitude (degrees minutes seconds)	29° 43' 35" N
Longitude (decimal degrees)	-95.350556
Longitude (degrees minutes seconds)	095° 21' 02" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1756
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1931
Drilling Method	
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	City of Houston Scott Street #4
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/18/1939
Last Update Date	4/28/2011

Remarks	Screened 265 feet between 1030 and 1750 feet. Reported yield 2800 GPM with 51.8 feet recovery in 1939. Aquifer test results in TWDB R-98. Destroyed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

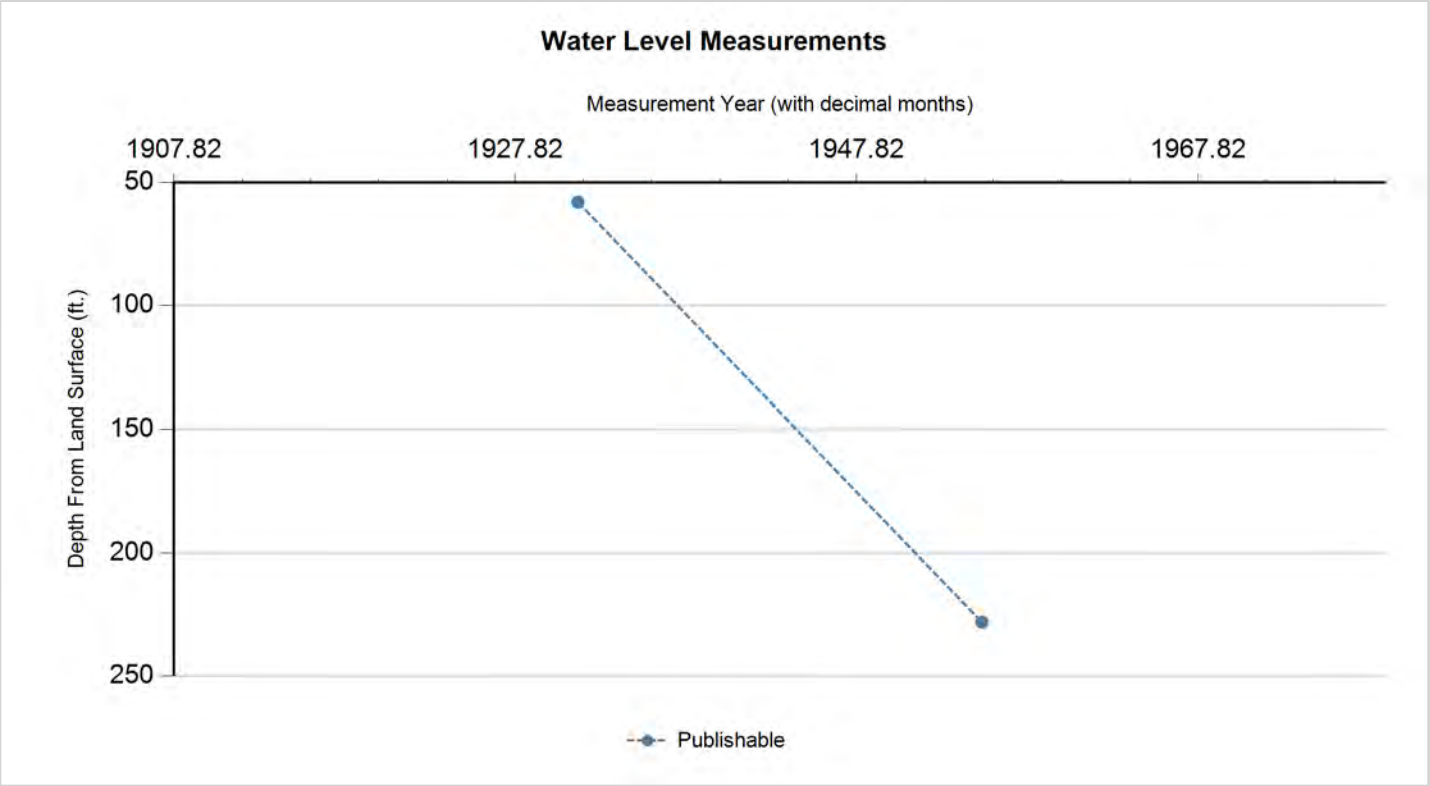
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/0/1931		58		-13	1	Texas Water Development Board	Steel Tape		
P	2/28/1955		228.1	170.10	-183.1	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 9/26/1938 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		295.08	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		360	mg/L	
00910	CALCIUM (MG/L)		9	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		12	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		35	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		3000	ug/L	
00920	MAGNESIUM (MG/L)		3	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.2		
00955	SILICA, DISSOLVED (MG/L AS SI02)		13	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		11.95		
00932	SODIUM, CALCULATED, PERCENT		91	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		162	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		4	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		380	mg/L	

Water Quality Analysis

Sample Date: 4/11/1944 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		269.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		329	mg/L	
00910	CALCIUM (MG/L)		11	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		6.6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.51		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		9.39		
00932	SODIUM, CALCULATED, PERCENT		85	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		143	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		683	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		408	mg/L	

Water Quality Analysis

Sample Date: 2/13/1947 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		62	mg/L	

Water Quality Analysis

Sample Date: 2/7/1949 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		262.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		320	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		39	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		680	MICR	

Water Quality Analysis

Sample Date: 3/8/1950 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		324	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		55	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		44	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		670	MICR	

Water Quality Analysis

Sample Date: 1/25/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer **Sampled Interval:** Top: Bottom: 81

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		317	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		43	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		660	MICR	

Water Quality Analysis

Sample Date: 2/11/1952 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		259.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		317	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		400	ug/L	
00910	CALCIUM (MG/L)		12	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		56	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		45	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		0	ug/L	
00920	MAGNESIUM (MG/L)		4	mg/L	
01055	MANGANESE, TOTAL (UG/L AS MN)		0	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		0.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4.26		
00955	SILICA, DISSOLVED (MG/L AS SI02)		17	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		8.88		
00932	SODIUM, CALCULATED, PERCENT		86	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		139	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		660	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		391	mg/L	

Water Quality Analysis

Sample Date: 1/28/1953 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		323	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		58	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		658	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

WRD Exp. (GW)
April 1966

Well No. LJ-65-22-130

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

(O)

MASTER CARD (T. BROWN) Source of data FILES Date 2-23-68 Map Park Place 1955 1:24000

Record by R.K. GARRY SCH (1-24-64)

State TEXAS 48 County (or town) Harris LJ

Latitude: 29 deg 43 min 43 sec N S Longitude: 095 degrees 21 min 00 sec E W Sequential number: 1

Lat-long accuracy: 1 T. ____ N S, R ____ E W, Sec ____, ____ k, ____ k, ____ k ____

Local well number: LJ-65-22-130 Other number: Scott St. B & M #7

Local use: ____ Owner or name: CITY OF HOUSTON In plant yard

Owner or name: CITY OF HOUSTON Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P-S, (R) Rec, (S) Stock, (T) Institt, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (Q) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdrawl, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1964 - Semi Annual S Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 2-8-64 A Pumpage inventory: yes no, period: ____

Aperture cards: ____ yes

Log data: E-LOG BB-54 TO 2010' E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1,725 ft 1725 Meas. Rept Driller accuracy 3

Depth cased: (first perf.) 705 ft 705 Casing type: S ; Diam 24-12 in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) (T) (W) shored, (X) open hole, (B) other — G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (B) other — H

Date Drilled: DEC.-1963 963 Pump intake setting: ____ ft

Driller: TEXAS WATER WELLS, Inc (name) HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, cent, jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, rot, submerg, (T) turb, (B) other — T Deep Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, gas, wind; LP H.P. 300 — W Trans. or meter no. ____

Descrip. MP ____ 6.7 ft above below LSD. Alt. MP 51.7'

Alt. LSD: 45' 45 Accuracy: (source) 5' TOPO 3

Water Level 100 MIN. 282.88 ft above below MP; ft above below LSD 276 Accuracy: MEAS. A

Date meas: 2-8-64 264 Yield: 2913 gpm 2913 Method determined 4

Drawdown: 43 ft 43 Accuracy: MEAS USGS 0 Pumping period 48 hrs 48

F.L. 326.5

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10⁶ Temp. 83.3 °F 83 Date sampled 2-8-64

Taste, color, etc. ____

Well No. LJ-65-22-130

Well No. LJ-65-22-130

Latitude-longitude 29 d 43 m 43 s N 095 d 21 m 00 s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS [03] (20–21) Section: W. Gulf Coastal Plain [F] (22) Drainage Basin: [5 1 17] (23–25) Subbasin: [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [F] (27)

MAJOR AQUIFER: ____ system, ____ series [T] (28–29) ____ aquifer, formation, group [E] (30–31)

Lithology: ____ [ ] (32–33) Origin: ____ [ ] (34) Aquifer Thickness: ____ ft

[ ] (35–37) Length of well open to: 391 ft [3 9 1] (38–40) Depth to top of: ____ ft [ ] (41–43)

MINOR AQUIFER: ____ system, ____ series [ ] (44–45) ____ aquifer, formation, group [ ] (46–47)

Lithology: ____ [ ] (48–49) Origin: ____ [ ] (50) Aquifer Thickness: ____ ft

[ ] (51–53) Length of well open to: ____ ft [ ] (54–56) Depth to top of: ____ ft [ ] (57–59)

* Intervals Screened: 705-725, 747-769, 839-858, 874-878, 881-919, 964-974

Depth to consolidated rock: ____ ft [ ] (60–63) Source of data: ____ [ ] (64)

Depth to basement: ____ ft [ ] (65–68) Source of data: ____ [ ] (69)

Surficial material: ____ [ ] (70–71) Infiltration characteristics: ____ [ ] (72)

Coefficient Trans: ____ gpd/ft [ ] (73–75) Coefficient Storage: ____ [ ] (76–78)

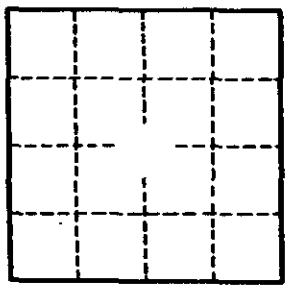
Coefficient Perm: ✓ gpd/ft²; Spec cap: ✓ gpm/ft; Number of geologic cards: [ ] (79)

* SCREENS:
984-1009
1059-1079
1119-1149
1344-1363
1365-1399
1454-1485
1485-1509
1530-1570
1595-1620
1690-1715

Cemented Gravel wall

Recovery test made by USGS

600' of 24" csg.



Well No. LJ-65-22-130

GPO 857-700

File original copy with
Texas Water Commission
P. O. Box 12311, Capitol Station
Austin, Texas 78711

State of Texas

DRILLERS LOG AND WELL DATA REPORT

For use by TWC only
Well No. 65-22-1d
Located on map
By KW Date 6-8
Map no. 702(2)

1) Well Owner: City of Houston, (Name) (Street or RFD) Houston, Texas (City) (State)

2) Land Owner: Same (Name) (Street or RFD) (City) (State)

3) Intended use: Industrial ☐ ; Municipal ☒ ; Irrigation ☐ ; Other

4) Location of well: County Harris Labor League Abstract No.

NW¼ NE¼ SW¼ SE¼ of Section Block No. Survey
(Circle as many as are known)

miles in (NE, SW, etc.) direction

from (Town)

Well located at 3100 Scott Street.

City of Houston
(Scott Street #7)
Houston, Texas
Job # 1349-64

ok

Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.

DRILLERS LOG OF WELL

Method of drilling: Rotary Diameter of hole 9-7/8 in. Date drilled January - 1964

All measurements made from ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
		SEE ATTACHMENT			

(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION

Straight wall ☐
Under reamed ☒
Gravel packed ☒
Open hole ☐
Other

CASING

Type: Old ☐ New ☒
Cemented from ft.
to ft.

Diameter (inches)	Setting from (ft)	Setting to (ft)
SEE ATTACHMENT		

SCREEN

Type S.S. Wire wrapped
Perforated ☐ Slotted ☐

Diameter (inches)	Setting from (ft)	Setting to (ft)
SEE ATTACHMENT		

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

Signature TEXAS WATER WELLS, Inc. (Company Name) Reg. No. 166

Please attach electric log, chemical analysis, and other pertinent information if available.

If well was tested by your company or if you installed the permanent pump please complete the following:

WATER LEVEL AND PUMP DATA

Static water level
ft. below

Pumping level

feet	hours	gpm
SEE ATTACHMENT		

Pump type Pump not furnished by Texas Water Wells, Inc.
Designed pumping rate gpm ☐ gph ☐
Type power unit
Horsepower
Depth to bowls, cylinder, jet, etc., ft. below pump base.

RECEIVED
DEC 21 1964
TEXAS WATER COMMISSION
AUSTIN, TEXAS

Name of contractor testing well or installing permanent pump if other than your company:

(1)

C-34 (62-4)

65-22-130

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

TWO-GRAVEL-WALL WELLS

951 MCCARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7561

February 1964

City of Houston
Scott Street

Water Well No. 7

Date Started 3-6-64
Orifice: 10 x 12
Airline: 357
Static Level: 183

PUMPING TEST:

TIME		HEAD IN INCHES	PUMPING LEVEL	G.P.M.
9:00		Started		
10:30		32 1/2"	328'	2866
11:30		32 1/2"	328'	2866
12:30	PM	32 "	328'	2762
1:30		31 1/2"	327'	2759
2:30		31 1/2"	328'	2759
3:30		31 1/2"	328'	2759
4:30		31 1/2"	329'	2759
5:30		31 1/2"	331'	2759
6:30		32 "	331'	2762
7:30		32 "	330'	2762
8:30		32 1/2"	331'	2866
9:30		32 1/2"	331'	2866
10:30		33 "	331'	2869
11:30		33 1/2"	331'	2866
12:30	AM	33 "	332'	2869
1:30		33 "	332'	2869
2:30		33 "	332'	2869
3:30		33 "	332'	2869
4:30		33 1/2"	330'	2866
5:30		33 "	331'	2762
6:30		33 "	331'	2762
7:30		34 "	331'	2873
8:30		34 "	332'	2873
9:30		34 1/2"	332'	2866
10:30		34 1/2"	332'	2866
11:30		34 1/2"	332'	2866
12:30	PM	34 1/2"	332'	2866
1:30		34 1/2"	332'	2866

MEMBER TEXAS WATER WELL DRILLING CONTRACTORS ASSOCIATION

65-22-130

Attached 7 pages 65-22-131

City of Houston
Scott Street

Water Well No. 7

PUMPING TEST(cont'd)

TIME	HEAD IN INCHES	PUMPING LEVEL	G.P.M.
2:30	34 1/2"	322'	2826
3:30	33 1/2"	352'	2850
4:30	33 1/2"	332'	2850
5:30	33 1/2"	333'	2850
6:30	33 "	333'	2862
7:30	33 "	333'	2862
8:30	34 "	335'	2873
9:30	33 "	332'	2762
10:30	33 "	333'	2762
11:30	33 "	333'	2762
12:30	33 "	333'	2762
1:30	33 "	333'	2850
2:30	33 "	333'	2850
3:30	33 "	333'	2850
4:30	33 "	333'	2762
5:30	33 "	353'	2850
6:30	34 1/2"	343'	2826
7:30	34 "	332'	2804
8:30	35 "	332'	2940
9:30	33 1/2"	331'	2850

Recovery

5 Min.	291'
10 Min	299'
15 Min	299
20 Min	299
25 Min	298
30 Min	288
35 Min	288

65-22-130

65-22-130

City of Houston
Scott Street

Water Well No. 7

PUMPING TEST (Cont'd)

TIME	HEAD IN INCHES	PUMPING LEVEL	G.P.M.
40		326	
45		327	
50		327	
55		327	
1 Hour		327	
1:10		327	
1:20		327	
1:30		327	
1:40		327	
Started Pump			
12:20			
1:20	32 1/2	327'	2005
2:20	34 1/2	327 1/2	2005

65-22-12

65-22-130

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

TRU-GRAVEL-WALL WELLS

951 MC CARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7581

January 1964

City of Houston
Smith Street
Houston, Texas

Water Well No. 7

SETTING DATA

SURFACE CASING:

SET AND CEMENTED IN PLACE 60' of 24" O.D., 375" W.T.

Plain End Line Pipe

SCREEN AND BLANK LINER:

FROM	TO	DESCRIPTION
607	705	100' of 12 3/4" Blank Liner
705	725	20' of 12 3/4" Screen
725	750	25' of 12 3/4" Blank Liner
750	770	20' of 12 3/4" Screen
770	840	70' of 12 3/4" Blank Liner
840	860	20' of 12 3/4" Screen
860	875	15' of 12 3/4" Blank Liner
875	920	45' of 12 3/4" Screen
920	965	45' of 12 3/4" Blank Liner
965	975	10' of 12 3/4" Screen
975	995	20' of 12 3/4" Blank Liner
995	1010	20' of 12 3/4" Screen
1010	1055	45' of 12 3/4" Blank Liner
1055	1080	25' of 12 3/4" Screen
1080	1120	40' of 12 3/4" Blank Liner
1120	1150	30' of 12 3/4" Screen
1150	1245	100' of 12 3/4" Blank Liner
1245	1400	55' of 12 3/4" Screen
1400	1455	55' of 12 3/4" Blank Liner

6522-1d
65-22-130

MEMBER TEXAS WATER WELL DRILLING CONTRACTORS ASSOCIATION

City of Houston
Scott Street
Houston, Texas

Water Well No. 7

Setting Data (Cont'd)

FROM	TO	DESCRIPTION
1455	1510	55' of 12 3/4" Screen
1510	1530	20' of 12 3/4" Blank Liner
1530	1570	40' of 12 3/4" Screen
1570	1595	25' of 12 3/4" Blank Liner
1595	1630	35' of 12 3/4" Screen
1630	1690	70' of 12 3/4" Blank Liner
1690	1715	25' of 12 3/4" Screen
1715	1725	10' of 12 3/4" Blank Liner

Last attach
65-22-1d
65-22-130

(11-74)

Water Resources Division
Austin, Texas

021401

Latitude ° ' "	Longitude ° ' "	Seq. No.
294343	0952100	01

County code 201 County Harris

Well # LJ-65-22-130

Project number 7-4648-01000

Date 5-17-77 Time — Temp°C 26.0

Owner City of Houston

Address Scott St. #7

Date drld — WBF code 121 EvgL

Sample interval: (top) 705 (bottom) 1715

Water level — Appr CLEAR Use PS

Collector Peters Yield ____ GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond — pH — HCO_3 — DO —

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide Insecticide

Remarks:

Type 2 (1) Station identification number 29434309521000 1 (2–16)

Y M D 77 05 17 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7050	03	
Sample interval BOTTOM	72016	1715	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2600	02		26.0
pH	00400	7800	01		7.8
Specific conductance	00095	5430	03		543
HCO_3	00440	2600	03		260
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3800	02		38
Sulfate (SO_4)	00945	1500	02		15
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31625				
Strep-tococci	31673				
BOD	00310				

2663

65-22-130

ex-73Q
(11-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
Water Resources Division
Austin, Texas

017576

Latitude ° ' "	Longitude ° ' "	Seq. No.
44343	0952100	01

County code 201 County Harris

Well # LJ-65-22-130

Project number 4648-01000

Date 2-6-76 Time — Temp°C 26.0

Owner City of Houston

Address Scott St. #7

Date drld — WBF code 121 EVGL

Sample interval: (top) 705 (bottom) 1715

Water level — Appr clear Use PS

Collector Neffel Yield ____ GPM

Smpld aftr pmpg on arrival Depth —

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 244343095210001 (2–16)

Y M D: 76 02 06 (17–22) Begin

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval Top	72015	7050	03	
Sample interval BOTTOM	72016	1715	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2600	02		26.0
pH	00400	8100	01		8.1
Specific conductance	00095	5420	03		542
HCO_3	00440	2590	03		259
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3800	02		38
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

2664

65-22-130

(11-74)

Water Resources Division
Austin, Texas

0150[illegible]

Latitude ° ' " | Longitude ° ' " | Seq. No.

29 43 43 | 095 21 00 | 01

County code LJ201 County Harris

Well # LJ-65-22-130

Project number 5-4648-01000

Date 2-4-75 Time _____ Temp°C 26.0

Owner City of Houston

Address Scott St. #7

Date drld 12-63 WBF code 121EVGL

Sample interval: (top) 705 (bottom) 1715

Water level _____ Appr _____ Use PS

Collector Naftel Yield _____ GPM

Smpld aftr pmpg on arrival Depth 1725

Pt of coll faucet on pipe

Field: Cond _____ pH _____ HCO_3 _____ DO _____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I + SO4

Other _____

Herbicide _____ Insecticide _____

Remarks:

Type | Station identification number

2 | 29 43 43 095 21 00 01

1 2 9 16

Y M D

75 02 01

17 Begin 22

Time of measurement

29 32

	Parameter code	Value	Exp.	Rmk
Depth	72008	1725	04	
Yield (GPM)	00059			
Sample interval TOP	72015	7050	03	
Sample interval BOTTOM	72016	1715	04	
Water [illegible]	7[illegible]			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2600	02		
pH	00400	7700	01		7.7
Specific conductance	00095	5320	03		53
HCO_3	00440	2520	03		25
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3600	02		36
Sulfate (SO_4)	00945	1800	02		18
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

65-22-130

Latitude ° ' " 29 43 43 | Longitude ° ' " 095 21 00 | Seq. No. 01

County code 101 County HARRIS

Well # LJ 65-22-130

Project number T4648-01000

Date 9-23-76 Time 1530 Temp°C 28.5

Owner CITY OF HOUSTON

Address SCOTT #7

Date drld 12/1963 WBF code EVGL

Sample interval: (top) 705 (bottom) 1750

Water level — Appr CLEAR Use PS

Collector BEZANT Yield 1765 GPM

Smpld aftr pmpg ON ARRIVAL Depth —

Pt of coll TAP ON DISCH PIPE.

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I

Other

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) Station identification number 29434309521 0001 (2–16)

Y M D: 76 09 23 (17 Begin 22)

Time of measurement (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008			
Yield (GPM)	00059			
Sample interval TOP	72015	7050	03	
Sample interval BOTTOM	72016	1750	04	
Water level	72019			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2850	02		28.5
pH	00400	7800	01		7.8
Specific conductance	00095	5560	03		556
HCO_3	00440	2720	03		272
CO_3	00445	0000	01		0
Chloride (Cl)	00940	3500	02		35
Sulfate (SO_4)	00945	1200	02		12
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

65-22-130

WATER SUPPLY, DEEP WELLS AND PUMPS

A. E. FAWCETT, JR., PRESIDENT

TEXAS WATER WELLS

INC.

951 MCCARTY DRIVE, HOUSTON 29, TEXAS, PHONE OR-2-7581

January 1964

City of Houston
Scott Street
Houston, Texas

Water Well No. 7

DRILLER'S LOG

FROM	TO	FORMATION
0	0	Rotary to Ground
0	12	Surface
12	218	Red Clay streaked Sand
218	282	Sand & Clay
282	490	Shale
490	498	Sand streaked Shale
498	545	Shale streaked sand
545	604	Sand streaked Shale
604	658	Shale streaked Sand
658	690	Sand
690	706	Shale
706	724	Sand
724	741	Shale
741	805	Sand streaked shale
805	828	Shale
828	854	Sand Streaked Shale
854	900	Shale
900	1011	Sand
1011	1045	Shale
1045	1101	Sand
1101	1114	Shale
1114	1154	Sand
1154	1241	Shale streaked sand

RECEIVED
DEC 21 1964
TEXAS WATER COMMISSION
AUSTIN, TEXAS

2667

65-22-1d

65-22-130

City of Houston
Scott Street
Houston, Texas

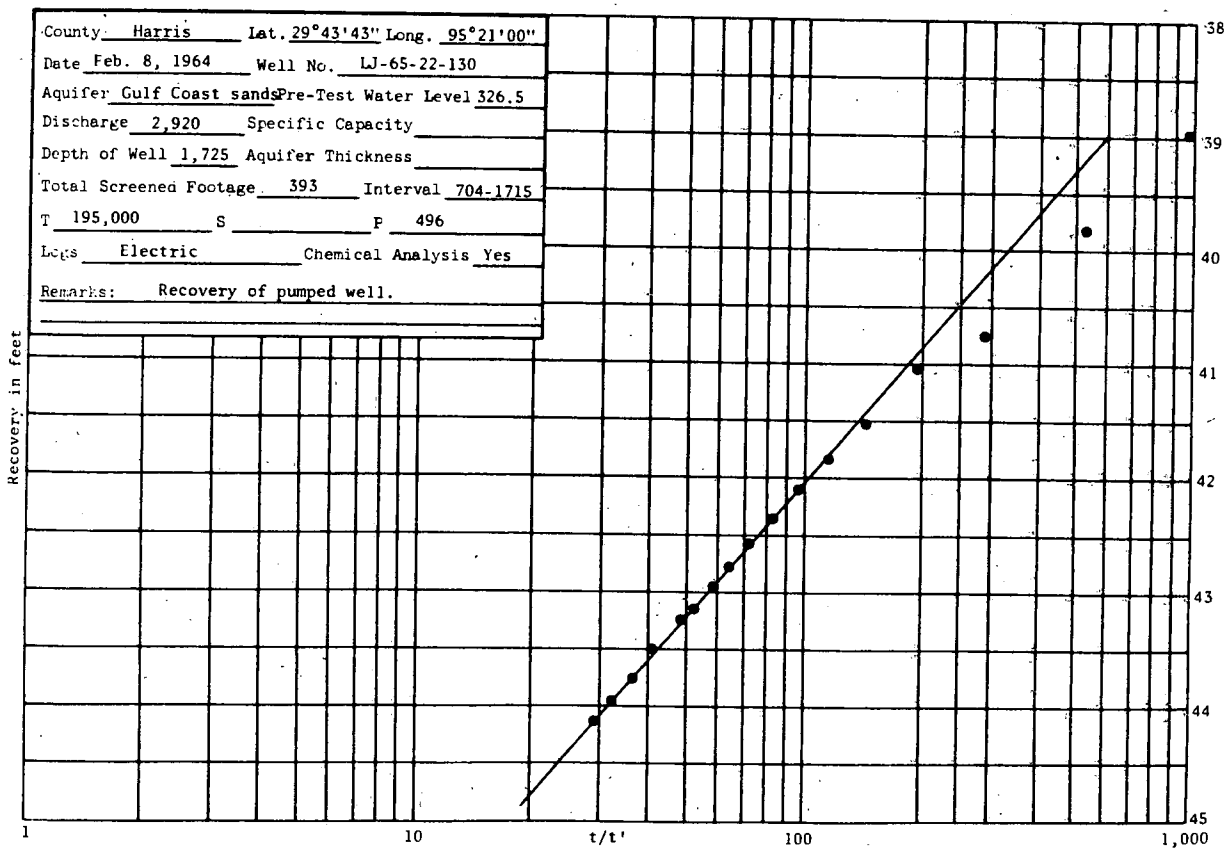
Water Well No. 7

DRILLER'S LOG (Cont'd)

FROM	TO	FORMATION
1341	1439	Sand streaked Shale
1439	1625	Sand
1625	1699	Shale
1699	1745	Sand streaked Shale
1745	1843	Shale
1843	1839	Sand
1839	1873	Sand
1873	2016	Shale streaked Sand

65-22-1d

430


County Harris Lat. 29°43'43" Long. 95°21'00"
Date Feb. 8, 1964 Well No. LJ-65-22-130
Aquifer Gulf Coast sands Pre-Test Water Level 326.5
Discharge 2,920 Specific Capacity
Depth of Well 1,725 Aquifer Thickness
Total Screened Footage 393 Interval 704-1715
T 195,000 S P 496
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
Recovery in feet
38
39
40
41
42
43
44
45
1
10
t/t'
100
1,000

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-130

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522130
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.728889
Latitude (degrees minutes seconds)	29° 43' 44" N
Longitude (decimal degrees)	-95.350278
Longitude (degrees minutes seconds)	095° 21' 01" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	45
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1725
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1963
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Scott Street #7
Driller	Texas Water Wells
Other Data Available	Aquifer Test; Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/23/1968
Last Update Date	7/20/2010

Remarks	Reported yield 2920 GPM in 1964. Aquifer test results in TWDB R-98. Aquifer test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	600
12	Blank	Steel			600	705
12	Screen				705	725
12	Blank	Steel			725	742
12	Screen				742	769
12	Blank	Steel			769	839
12	Screen				839	858
12	Blank	Steel			858	874
12	Screen				874	878
12	Blank	Steel			878	881
12	Screen				881	919
12	Blank	Steel			919	964
12	Screen				964	974
12	Blank	Steel			974	984
12	Screen				984	1009
12	Blank	Steel			1009	1054
12	Screen				1054	1079
12	Blank	Steel			1079	1119
12	Screen				1119	1149
12	Blank	Steel			1149	1344
12	Screen				1344	1363
12	Blank	Steel			1363	1365
12	Screen				1365	1399
12	Blank	Steel			1399	1454
12	Screen				1454	1485
12	Blank	Steel			1485	1493
12	Screen				1493	1509
12	Blank	Steel			1509	1530
12	Screen				1530	1570
12	Blank	Steel			1570	1595
12	Screen				1595	1620
12	Blank	Steel			1620	1690
12	Screen				1690	1715
12	Blank	Steel			1715	1725

Well Tests - No Data

Lithology - No Data

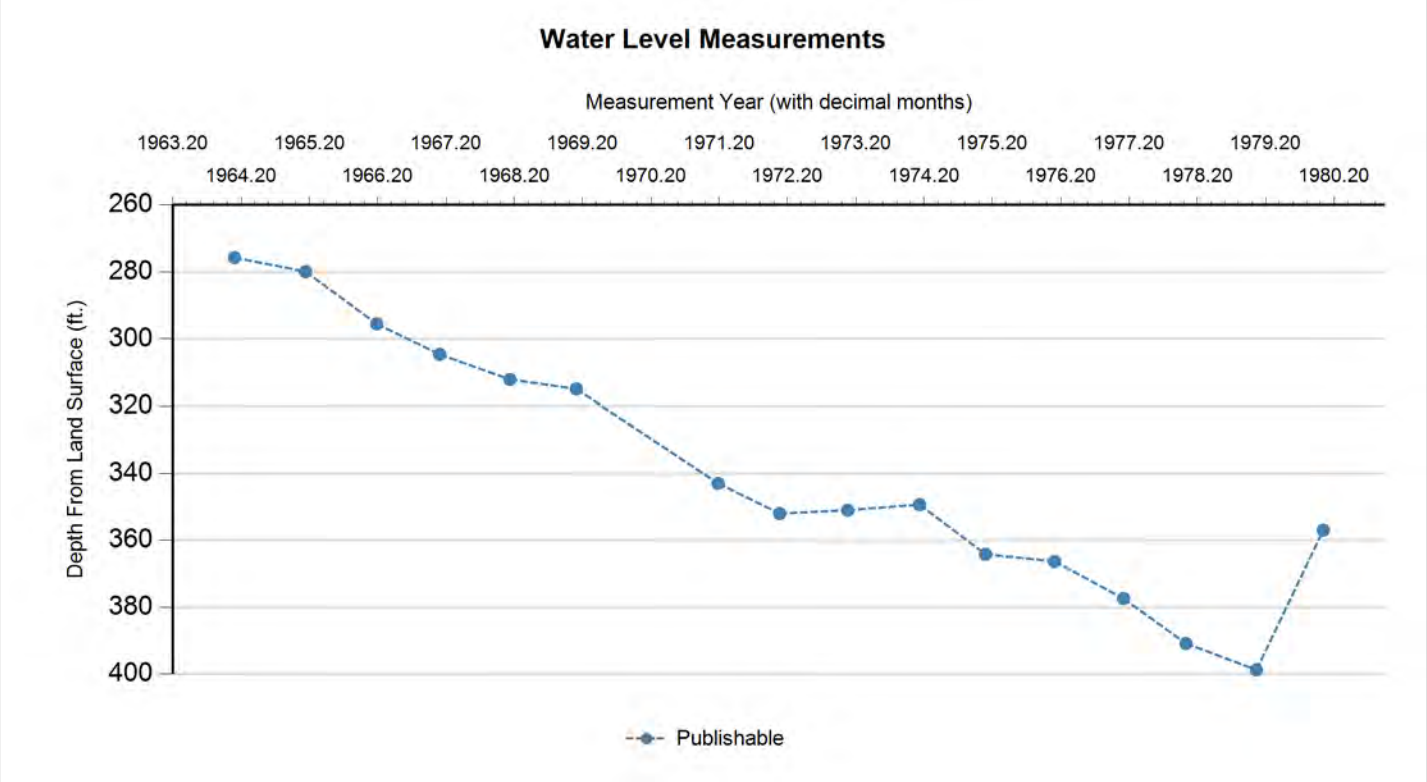
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/8/1964		275.7		-230.7	1	U.S. Geological Survey	Steel Tape		
P	2/23/1965		279.88	4.18	-234.88	1	U.S. Geological Survey	Steel Tape		
P	3/8/1966		295.5	15.62	-250.5	1	U.S. Geological Survey	Steel Tape		
P	2/10/1967		304.63	9.13	-259.63	1	U.S. Geological Survey	Steel Tape		
P	2/20/1968		312.11	7.48	-267.11	1	U.S. Geological Survey	Steel Tape		
P	2/10/1969		314.93	2.82	-269.93	1	U.S. Geological Survey	Steel Tape		
P	3/8/1971		343	28.07	-298	1	U.S. Geological Survey	Air Line		
P	2/2/1972		352	9.00	-307	1	U.S. Geological Survey	Air Line		
P	1/30/1973		351	(1.00)	-306	1	U.S. Geological Survey	Air Line		
P	2/19/1974		349.34	(1.66)	-304.34	1	U.S. Geological Survey	Steel Tape		
P	2/7/1975		364.17	14.83	-319.17	1	U.S. Geological Survey	Steel Tape		
P	2/11/1976		366.31	2.14	-321.31	1	U.S. Geological Survey	Steel Tape		
P	2/14/1977		377.41	11.10	-332.41	1	U.S. Geological Survey	Steel Tape		
P	1/13/1978		390.82	13.41	-345.82	1	U.S. Geological Survey	Steel Tape		
P	1/25/1979		398.74	7.92	-353.74	1	U.S. Geological Survey	Steel Tape		
P	1/17/1980		356.95	(41.79)	-311.95	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 2/8/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		318	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		300	ug/L	
00910	CALCIUM (MG/L)		16	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.9	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		59	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.7	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		4		
00955	SILICA, DISSOLVED (MG/L AS SI02)		18	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		7.05		
00932	SODIUM, CALCULATED, PERCENT		81	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		126	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		651	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		379	mg/L	

Water Quality Analysis

Sample Date: 2/19/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		298	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		62	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		589	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/16/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.46	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		308	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		71	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		619	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/8/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		108	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		504	MICR	

Water Quality Analysis

Sample Date: 2/15/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		249.18	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		304	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		78	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		607	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/18/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		219.67	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		268	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		90	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		528	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 8/7/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		208.2	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		254	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		31	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		106	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		521	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/16/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		76	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		525	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 1/25/1972 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.28	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		248	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		30	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		100	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		522	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/21/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		33	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		100	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		520	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/4/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		206.56	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		252	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		532	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/6/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		212.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		259	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		542	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 9/23/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		222.95	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		272	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		556	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		29	C	

Water Quality Analysis

Sample Date: 5/17/1977 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		543	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 1/16/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		229.51	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		572	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		8	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 3/6/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		36	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		540	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		3	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 131 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 02 Longitude - 95 20 05 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Dixon Packing Co. Driller - Pomeroy Drlg. Co.

Address _____ Tenant/Oper. _____
Date Drilled - / / Depth - 900 ft. Source of Depth - Altitude - 41 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 10/00/1963 Measurement- -247.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 02/20/2003

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
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Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB Report 178

Aquifer - 121EVGL
Well No. - 65 22 131

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-131

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522131
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.717222
Latitude (degrees minutes seconds)	29° 43' 02" N
Longitude (decimal degrees)	-95.334722
Longitude (degrees minutes seconds)	095° 20' 05" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	41
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	900
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Dixon Packing Co.
Driller	Pomeroy Drlg. Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178

Casing - No Data

Well Tests - No Data

Lithology - No Data

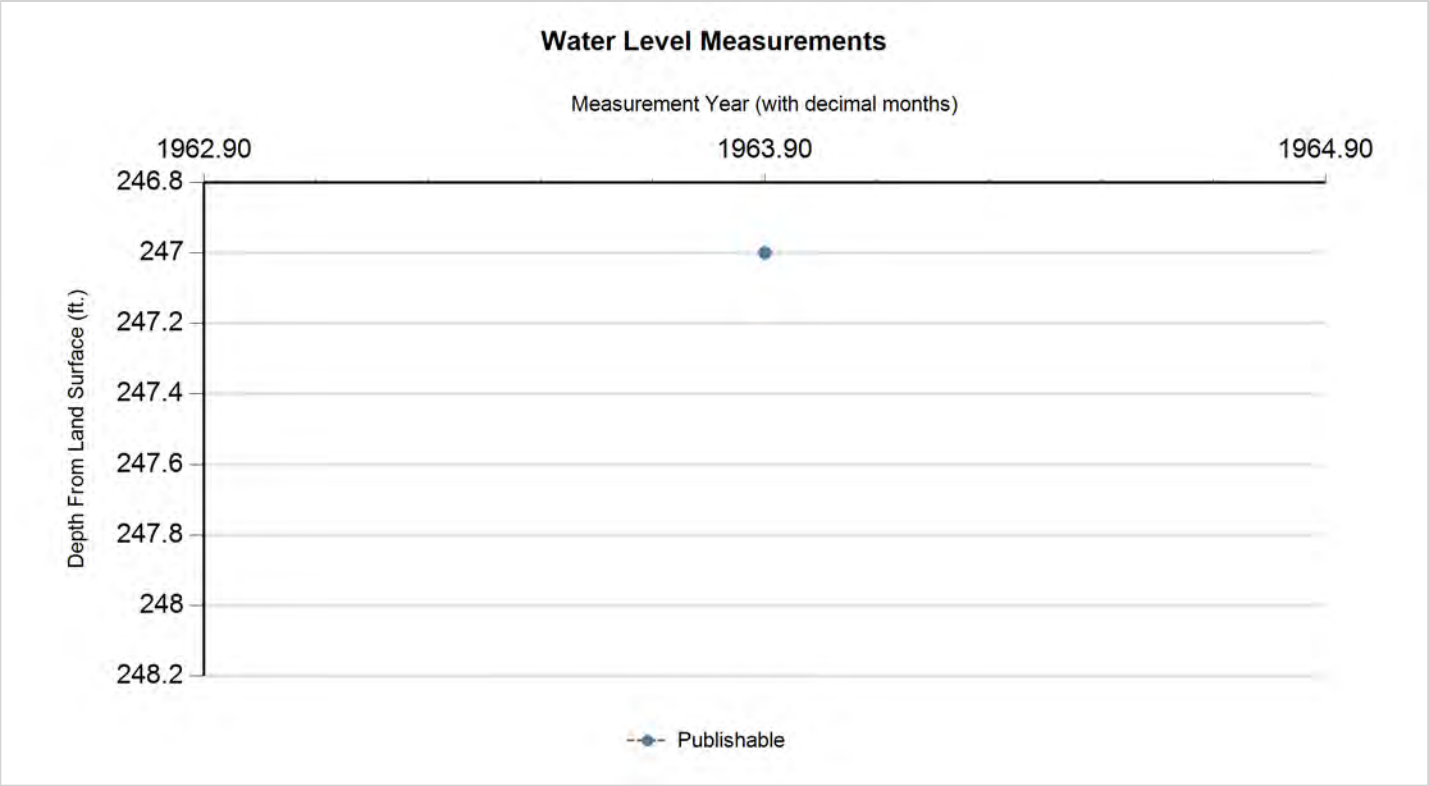
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/0/1963		247		-206	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 65-22-131

groundwater division

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 132 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 11 Longitude - 95 20 10 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Blue Ribbon Packing Co Driller - Pomeroy Drlg. Co.

Address _____ Tenant/Oper. _____
Date Drilled - / /1964 Depth - 785 ft. Source of Depth - Altitude - 42 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- Other Data-

WATER LEVELS Date- 05/22/1964 Measurement- -236.00
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- 02/20/2003

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
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Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
TWDB Report 178: 60 ft. of screen
between 570 and 782 ft.

Aquifer - 121EVGL
Well No. - 65 22 132

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-132

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522132
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.719722
Latitude (degrees minutes seconds)	29° 43' 11" N
Longitude (decimal degrees)	-95.336111
Longitude (degrees minutes seconds)	095° 20' 10" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	785
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1964
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Blue Ribbon Packing Co
Driller	Pomeroy Drlg. Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: 60 ft. of screen between 570 and 782 ft.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

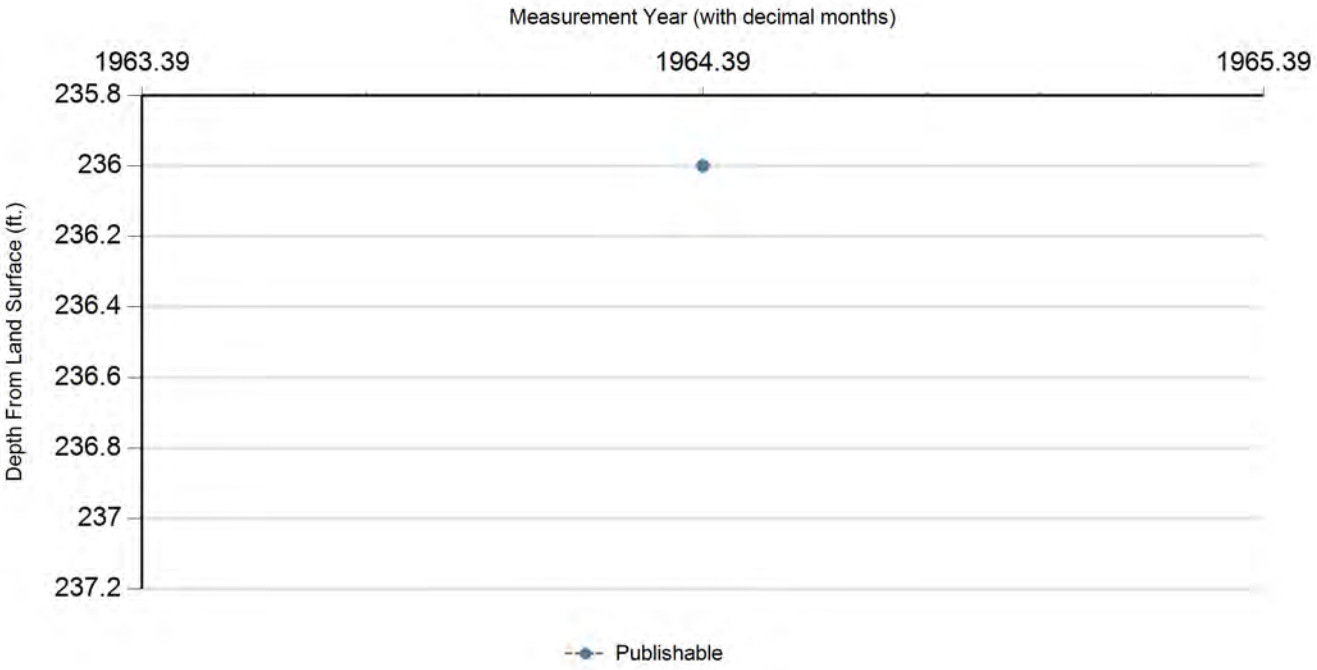
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/22/1964		236		-194	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 133 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 42 55 Longitude - 95 20 10 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Port City Stock Yards Driller - B J Swinehart

Address _____ Tenant/Oper. _____
Date Drilled - 07/17/1968 Depth - 622 ft. Source of Depth - D Altitude - 35 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 20

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- D Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 22 133

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-133

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522133
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.715278
Latitude (degrees minutes seconds)	29° 42' 55" N
Longitude (decimal degrees)	-95.336111
Longitude (degrees minutes seconds)	095° 20' 10" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	35
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	622
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	7/17/1968
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Port City Stock Yards
Driller	B J Swinehart
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 203 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 17 Longitude - 95 19 01 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hughes Tool Co. Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - 09/28/1948 Depth - 1,120 ft. Source of Depth - D Altitude - 38 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____
| Diam. (in.) | Setting(feet) From | To

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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 22 203

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-202

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522202
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.735
Latitude (degrees minutes seconds)	29° 44' 06" N
Longitude (decimal degrees)	-95.32
Longitude (degrees minutes seconds)	095° 19' 12" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	37
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1133
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	9/6/1947
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Hamms Brewing
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 203 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 17 Longitude - 95 19 01 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hughes Tool Co. Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - 09/28/1948 Depth - 1,120 ft. Source of Depth - D Altitude - 38 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____
| Diam. (in.) | Setting(feet) From | To

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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 22 203

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-203

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522203
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.738334
Latitude (degrees minutes seconds)	29° 44' 18" N
Longitude (decimal degrees)	-95.317222
Longitude (degrees minutes seconds)	095° 19' 02" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	38
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1120
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	9/28/1948
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Hughes Tool Co.
Driller	Layne Texas
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 204 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 27 Longitude - 95 19 12 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Able Supply Co. Driller - Briggs Pump Service

Address _____ Tenant/Oper. _____
Date Drilled - 09/ /1953 Depth - 282 ft. Source of Depth - R Altitude - 39 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 2.0

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 22 204

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-204

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522204
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.741111
Latitude (degrees minutes seconds)	29° 44' 28" N
Longitude (decimal degrees)	-95.320278
Longitude (degrees minutes seconds)	095° 19' 13" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	39
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	282
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	9/0/1953
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Able Supply Co.
Driller	Briggs Pump Service
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-210

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522210
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.736389
Latitude (degrees minutes seconds)	29° 44' 11" N
Longitude (decimal degrees)	-95.314167
Longitude (degrees minutes seconds)	095° 18' 51" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	37
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1123
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1934
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Hughes Tool Co.
Driller	Layne Texas
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 211 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 15 Longitude - 95 18 54 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hughes Tool Co.
#2
Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - 05/03/1926 Depth - 1,096 ft. Source of Depth - D Altitude - 40 ft. Source of Alt. - M
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- D Other Data-

WATER LEVELS Date- 06/01/1956 Measurement- -225.40
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 121EVGL
Well No. - 65 22 211

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-211

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522211
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.737778
Latitude (degrees minutes seconds)	29° 44' 16" N
Longitude (decimal degrees)	-95.315278
Longitude (degrees minutes seconds)	095° 18' 55" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1096
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	5/3/1926
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Hughes Tool Co. #2
Driller	Layne Texas
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

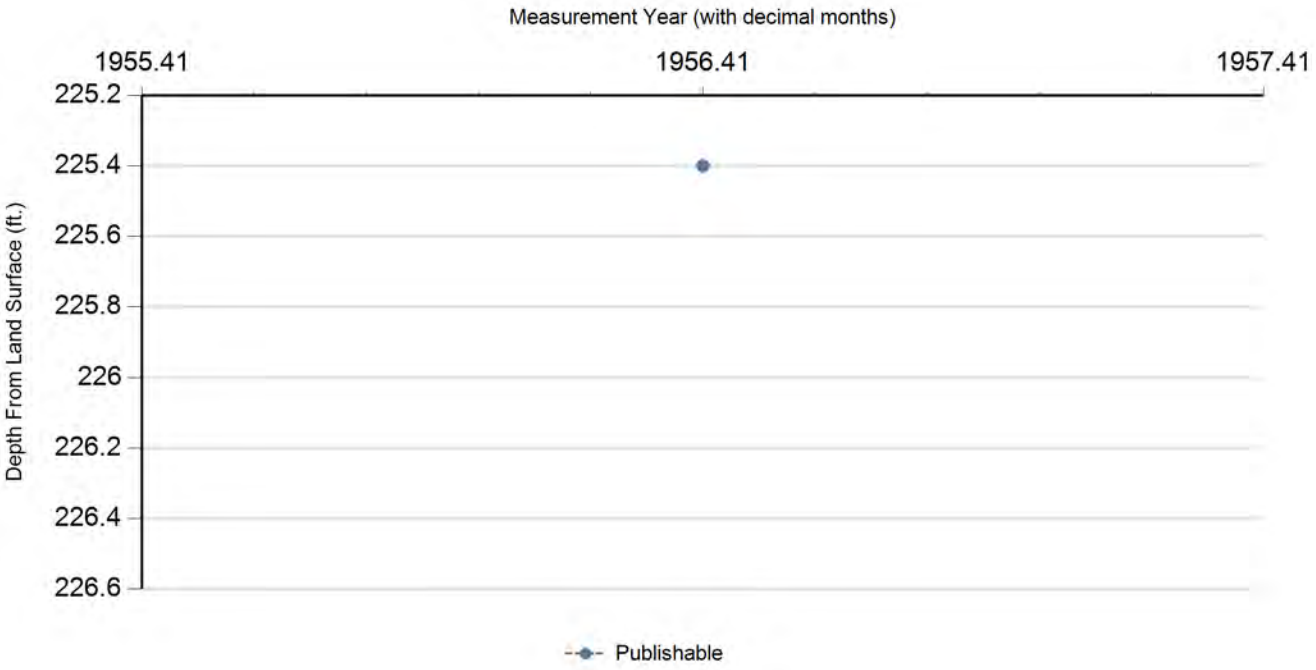
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/1/1956		225.4		-185.4	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 212 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 12 Longitude - 95 18 51 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hughes Tool Co.
#1
Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1923 Depth - 694 ft. Source of Depth - D Altitude - 40 ft. Source of Alt. - M
Aquifer - 112CEVG CHICOT AND EVANGELINE AQUIFERS Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- D Other Data-

WATER LEVELS Date- 01/08/1931 Measurement- -49.20
Date- 03/16/1945 Measurement- -79.50

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CEVG
Well No. - 65 22 212

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-212

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522212
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.736945
Latitude (degrees minutes seconds)	29° 44' 13" N
Longitude (decimal degrees)	-95.314445
Longitude (degrees minutes seconds)	095° 18' 52" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	694
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1923
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Hughes Tool Co. #1
Driller	Layne Texas
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

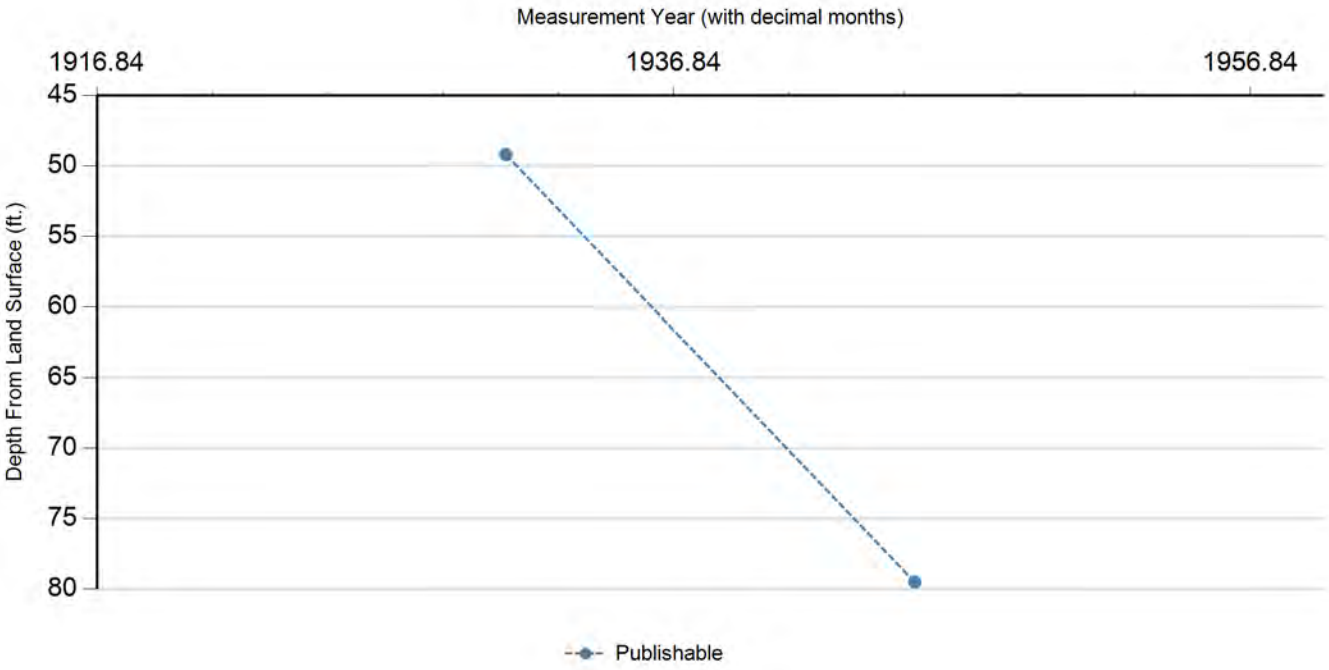
Packers - No Data

Texas Water Development Board

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-212

groundwater division

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/8/1931		49.2		-9.2	1	U.S. Geological Survey	Unknown		
P	3/16/1945		79.5	30.30	-39.5	1	U.S. Geological Survey	Unknown		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 213 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 33 Longitude - 95 19 53 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Gulf Concrete Pipe Co Driller - I Mowery

Address _____ Tenant/Oper. _____
Date Drilled - / /1941 Depth - 276 ft. Source of Depth - D Altitude - 42 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - JET PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-213

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522213
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.7425
Latitude (degrees minutes seconds)	29° 44' 33" N
Longitude (decimal degrees)	-95.331389
Longitude (degrees minutes seconds)	095° 19' 53" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	276
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Gulf Concrete Pipe Co
Driller	I Mowery
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 216 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 02 Longitude - 95 19 40 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - H B & T RR
#2

Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1941 Depth - 860 ft. Source of Depth - D Altitude - 40 ft. Source of Alt. - M
Aquifer - 112CEVG CHICOT AND EVANGELINE AQUIFERS Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CEVG
Well No. - 65 22 216

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-216

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522216
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.717222
Latitude (degrees minutes seconds)	29° 43' 02" N
Longitude (decimal degrees)	-95.327778
Longitude (degrees minutes seconds)	095° 19' 40" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	40
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	860
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1941
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	H B & T RR #2
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 218 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 31 Longitude - 95 19 29 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Standard Ice Co. Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1929 Depth - 960 ft. Source of Depth - D Altitude - 43 ft. Source of Alt. - M
Aquifer - 112CEVG CHICOT AND EVANGELINE AQUIFERS Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-218

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522218
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.741945
Latitude (degrees minutes seconds)	29° 44' 31" N
Longitude (decimal degrees)	-95.324722
Longitude (degrees minutes seconds)	095° 19' 29" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CEVG - Chicot and Evangeline Aquifers
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	43
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	960
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1929
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Standard Ice Co.
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 219 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 32 Longitude - 95 19 30 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Standard Ice Co. Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1929 Depth - 550 ft. Source of Depth - D Altitude - 43 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Aquifer - 112CHCTL
Well No. - 65 22 219

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-219

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522219
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.742222
Latitude (degrees minutes seconds)	29° 44' 32" N
Longitude (decimal degrees)	-95.325
Longitude (degrees minutes seconds)	095° 19' 30" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	43
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	550
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1929
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Standard Ice Co.
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 220 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 49 Longitude - 95 19 21 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Texas Ice and Fuel Co. Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1928 Depth - 272 ft. Source of Depth - D Altitude - 42 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____
| Diam. (in.) | Setting(feet) From | To

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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-220

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522220
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.746945
Latitude (degrees minutes seconds)	29° 44' 49" N
Longitude (decimal degrees)	-95.3225
Longitude (degrees minutes seconds)	095° 19' 21" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	272
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1928
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Texas Ice and Fuel Co.
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 221 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 44 50 Longitude - 95 19 22 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Texas Ice and Fuel Co. Driller - McMasters & Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1928 Depth - 401 ft. Source of Depth - D Altitude - 42 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
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Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-221

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522221
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.747222
Latitude (degrees minutes seconds)	29° 44' 50" N
Longitude (decimal degrees)	-95.322778
Longitude (degrees minutes seconds)	095° 19' 22" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	401
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1928
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Texas Ice and Fuel Co.
Driller	McMasters & Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 223 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 53 Longitude - 95 19 42 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hygeia Ice Co. Driller - McMasters and Pomeroy

Address _____ Tenant/Oper. _____
Date Drilled - / /1928 Depth - 728 ft. Source of Depth - Altitude - 42 ft. Source of Alt. -
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION
Const. Methoc - _____ Casing Material - _____
Completion - _____ Screen Material - _____

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

LIFT DATA - Pump Mfr. _____ Type - NONE No. Stages _____

Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- UNUSED Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- Y Logs- Other Data-

WATER LEVELS Date- 01/16/1931 Measurement- -59.10
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
177 ft of screen between 197 and
708 ft. Well destoryed.

Aquifer - 112CHCTL
Well No. - 65 22 223

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-223

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522223
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.731389
Latitude (degrees minutes seconds)	29° 43' 53" N
Longitude (decimal degrees)	-95.328333
Longitude (degrees minutes seconds)	095° 19' 42" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	42
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	728
Well Depth Source	Unknown
Drilling Start Date	
Drilling End Date	0/0/1928
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Hygeia Ice Co.
Driller	McMasters and Pomeroy
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	5/18/1999
Last Update Date	5/18/1999

Remarks	177 ft of screen between 197 and 708 ft. Well destoryed.

Casing - No Data

Well Tests - No Data

Lithology - No Data

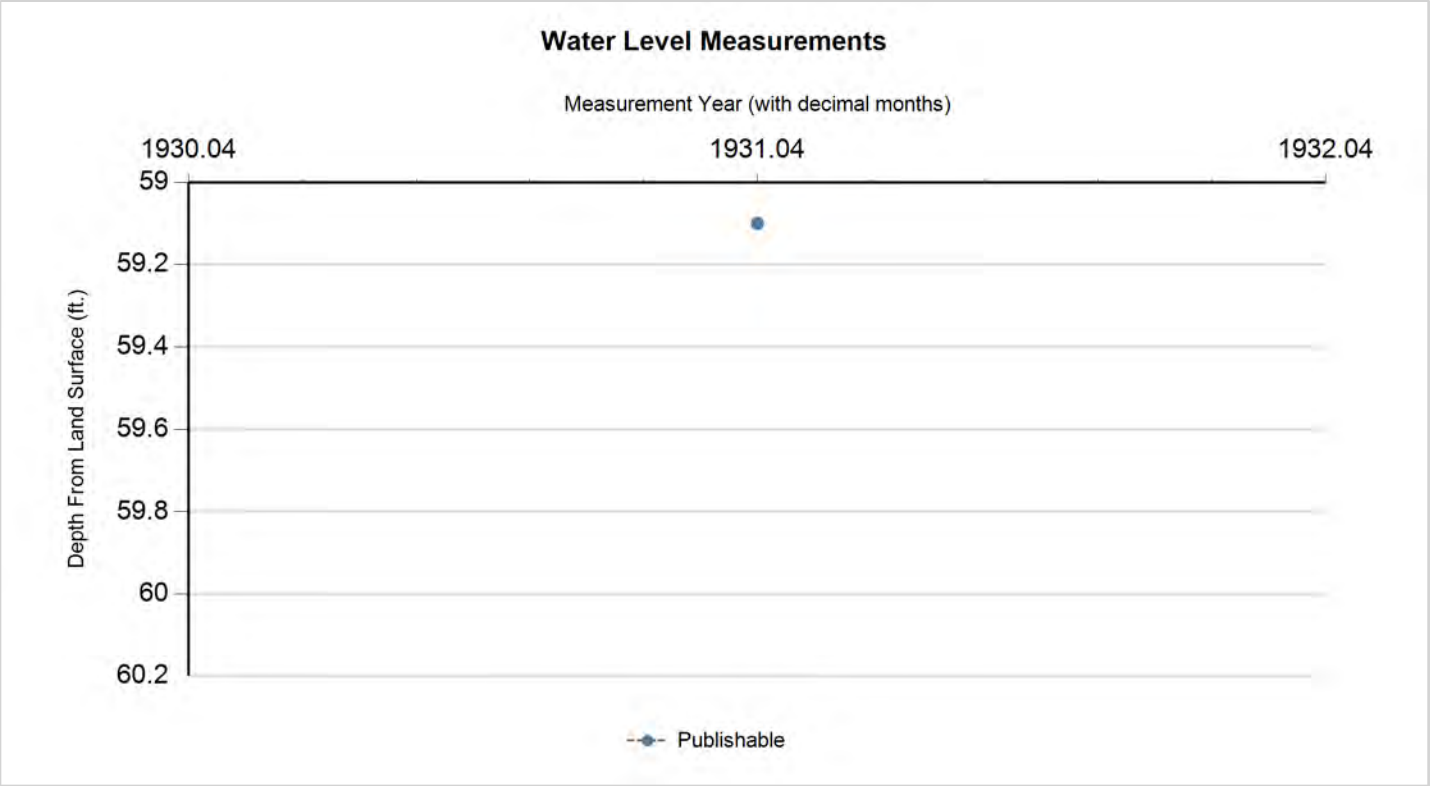
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/16/1931		59.1		-17.1	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 1/16/1931 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		190	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		5	mg/L	

Water Quality Analysis

Sample Date: 2/2/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		210.66	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		257	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		141	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		58	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		282	mg/L	

Water Quality Analysis

Sample Date: 8/5/1939 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		214.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		262	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		147	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		12	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		280	mg/L	

Water Quality Analysis

Sample Date: 5/24/1940 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		187.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		229	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		114	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		55	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		7	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		245	mg/L	

Water Quality Analysis

Sample Date: 2/19/1941 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		214.75	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		262	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		27	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		150	mg/L	
00929	SODIUM, TOTAL (MG/L AS NA)		56	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		18	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		287	mg/L	

Water Quality Analysis

Sample Date: 1/30/1942 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.03	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		266	mg/L	
00910	CALCIUM (MG/L)		29	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		26	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		130	mg/L	
00920	MAGNESIUM (MG/L)		13	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.84		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.68		
00932	SODIUM, CALCULATED, PERCENT		54	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		69	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		288	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		20	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		287	mg/L	

Water Quality Analysis

Sample Date: 1/14/1943 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Chicot Aquifer, Lower

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.84	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		256	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		28	mg/L	
00945	SULFATE, TOTAL (MG/L AS SO4)		19	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 229 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 43 55 Longitude - 95 18 57 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Schumacher Co. Driller - Davis Bros Water Well Drilling Co.

Address _____ Tenant/Oper. _____
Date Drilled - 06/25/1969 Depth - 342 ft. Source of Depth - D Altitude - 38 ft. Source of Alt. - M
Aquifer - 112CHCTL CHICOT AQUIFER,LOWER Well Type - W User -

WELL CONSTRUCTION Const. Method - _____ Casing Material - _____
Completion - _____ Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages _____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 30

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- INDUSTRIAL Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- N Quality- N Logs- Other Data-

WATER LEVELS Date- / / Measurement-
Date- / / Measurement-

Recorded By _____ Date Record Collected or Updated- / /

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency - UNITED STATES GEOLOGICAL SURVEY
REMARKS -

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-229

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522229
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.731944
Latitude (degrees minutes seconds)	29° 43' 55" N
Longitude (decimal degrees)	-95.315834
Longitude (degrees minutes seconds)	095° 18' 57" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	38
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	342
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/25/1969
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Schumacher Co.
Driller	Davis Bros Water Well Drilling Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

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WRD Exp. (GW)
April 1966

Well No. LJ-65-22-404

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD (T. Brown) R.W.G. (7-21-68)

Record by W.L.N. (10-26-60) Source of data FILES Date 2-23-68 Map Park Place 1955 1:24000

State Texas 48 County (or town) Harris LJ

Latitude: 29 41 27 N (deg, min, sec) Longitude: 095 22 05 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 1 T. ____ S, R ____ W, Sec ____, ____ ¼, ____ ¼, ____ ¼ ____

Local well number: LJ-65-22-404 Other number: B & M Southlawn # 1.

Local use: ____ Owner or name: City of Houston

Owner or name: CITY OF HOUSTON Address: ____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist ____ M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) P.S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ____ P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (O) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 1957 Annual A Field aquifer char. ____

Hyd. lab. data: ____

Qual. water data; type: ____

Freq. sampling: 3-8-57 A Pumpage inventory: yes / no, period: ____

Aperture cards: ____ yes

Log data: E-Log BB-31 To 2287' E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1960 ft 1960 Meas. (rept) Driller accuracy 3

Depth cased; (first perf.) 670 ft 670 Casing type: S ; Dim. 24-12¾ in 24

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (X) other ____ G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (X) other ____ H

Date Drilled: 1-15-57 957 Pump intake setting: 7 STAGE SET @ 340 ft 340

Driller: LAYNE-TEXAS Co. (name), HOUSTON, TEXAS (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (X) other T Deep/Shallow D

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 250 W Trans. or meter no. ____

Descrip. MP ____ ft above/below LSD. Alt. MP ____

Alt. LSD: 47' 47 Accuracy: (source) 5' TOPO 3

PL 269.46 − 226.61 = 42.85

Water Level 226.61 ft above/below MP; Ft above/below LSD 226 Accuracy: USGS top A

Date meas: 3-8-57 3 5 8 Yield: 2316 gpm 2316 Method of determ. 4

Drawdown: 42.85 ft 43 Accuracy: USGS top 0 Pumping period ____ hrs

QUALITY OF WATER DATA: Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm Hard. ____ ppm

Sp. Conduct ____ K x 10^6 Temp. ____ °F Date sampled ____

Tests, color, etc. ____

Well No. LJ-65-22-404

Well No. LJ-65-22-404

Latitude-longitude 29 ,41 ,27 (N) 095,22,05
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: COASTAL PLAINS [03] (20–21) Section: _____

[F] (22) Drainage Basin: _____ [5J R] (23–25) Subbasin: _____ [ ] (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) offshore, (M) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ [ ] (27)

MAJOR AQUIFER: _____ system, _____ series [T] (28–29) _____ aquifer, formation, group [E] (30–31)

Lithology: _____ [ ] (32–33) Origin: _____ [ ] (34) Aquifer Thickness: _____ ft

[ ] (35–37) Length of well open to: 390 ft ✓ [390] (38–40) Depth to top of: _____ ft [ ] (41–43)

MINOR AQUIFER: _____ system, _____ series [ ] (44–45) _____ aquifer, formation, group [ ] (46–47)

Lithology: _____ [ ] (48–49) Origin: _____ [ ] (50) Aquifer Thickness: _____ ft

[ ] (51–53) Length of well open to: _____ ft [ ] (54–56) Depth to top of: _____ ft [ ] (57–59)

* Intervals Screened: 670-685, 770-795, 805-820, 870-880, 920-945, 970-995

Depth to consolidated rock: _____ ft [ ] (60–63) Source of data: _____ [ ] (64)

Depth to basement: _____ ft [ ] (65–68) Source of data: _____ [ ] (69)

Surficial material: _____ [ ] (70–71) Infiltration characteristics: _____ [ ] (72)

Coefficient Trans: ✓ _____ gpd/ft [ ] (73–75) Coefficient Storage: _____ [ ] (76–78)

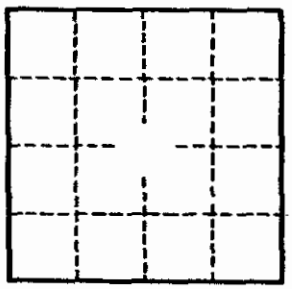
Coefficient Perm: ✓ _____ gpd/ft^2; Spec cap: ✓ _____ gpm/ft; Number of geologic cards: _____ [ ] (79)

* SCREENS:

1030-1050
1095-1110
1130-1145
1185-1205
1240-1265
1280-1295
1355-1365
1420-1440
1495-1505
1595-1615
1660-1675
1720-1740
1780-1795
1820-1845
1870-1885
1925-1940

595' of 24" csg.

12¾ from 495 to 1960'



Well No. LJ-65-22-404

GPO 857-700

(11-74)

Water Resources Division
Austin, Texas

Latitude ° ' "	Longitude ° ' "	Seq. No.
29 41 27	095 22 05	01

County code ~~LJ~~ 201 County Harris

Well # LJ-65-22-404

Project number 5-4648-01000

Date 2-6-75 Time ____ Temp°C 27.0

Owner City of Houston

Address Southlawn No.1

Date drld 1-15-57 WBF code 121 EVGL

Sample interval: (top) 670 (bottom) 1940

Water level ____ Appr ____ Use PS

Collector Vaught Yield ____ GPM

Smpld aftr pmpg on arr. Depth 1960

Pt of coll tap on discharge

Field: Cond ____ pH ____ HCO_3 ____ DO ____

Indicate types of analyses

Coliform Phenols Minors

Nutrients MBAS BOD TOC DOC

Std chem schedule I+SO4

Other ____

Herbicide ____ Insecticide ____

Remarks:

Type 2 (1) — Station identification number 2941270952205 01 (2–16)

Y M D: 75 02 06 (17–22) Begin

Time of measurement ____ (29–32)

	Parameter code	Value	Exp.	Rmk
Depth	72008	1960	04	
Yield (GPM)	00059			
Sample interval TOP	72015	6700	03	
Sample interval BOTTOM	72016	1940	04	
Water	[illegible]			

	Parameter code	Value	Exp.	Rmk	
Sampled after pumping	72004				
DO (mg/l)	00300				
DO % Sat.	00301				
Temp °C	00010	2700	02		27.0
pH	00400	7600	01		7.6
Specific conductance	00095	5980	03		598
HCO_3	00440	2780	03		278
CO_3	00445	0000	01		0
Chloride (Cl)	00940	5000	02		50
Sulfate (SO_4)	00945	1400	02		14
Color	00080				
Coliform, membrane filter	31501				
Coliform, fecal	31616				
Strep-tococci	31679				
BOD	00310				

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 65 22 404 Previous Well Number - County - Harris 201
River Basin - San Jacinto River - 10 Zone - 1 Latitude - 29 41 27 Longitude - 95 22 05 Source of Coords - 2

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - City of Houston
Southlawn

Driller - Layne Texas

Address _____ Tenant/Oper. _____
Date Drilled - / /1957 Depth - 1,960 ft. Source of Depth - Altitude - 47 ft. Source of Alt. -
Aquifer - 121EVGL EVANGELINE AQUIFER Well Type - W User - 396200

WELL CONSTRUCTION
Const. Method - _____
Completion - _____
Casing Material - _____
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - TURBINE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.

Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower - 250

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- PUBLIC SUPPLY Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- H Quality- Y Logs- Other Data-

WATER LEVELS Date- 03/04/1957 Measurement- -219.75
Date- 01/23/1981 Measurement- -334.05

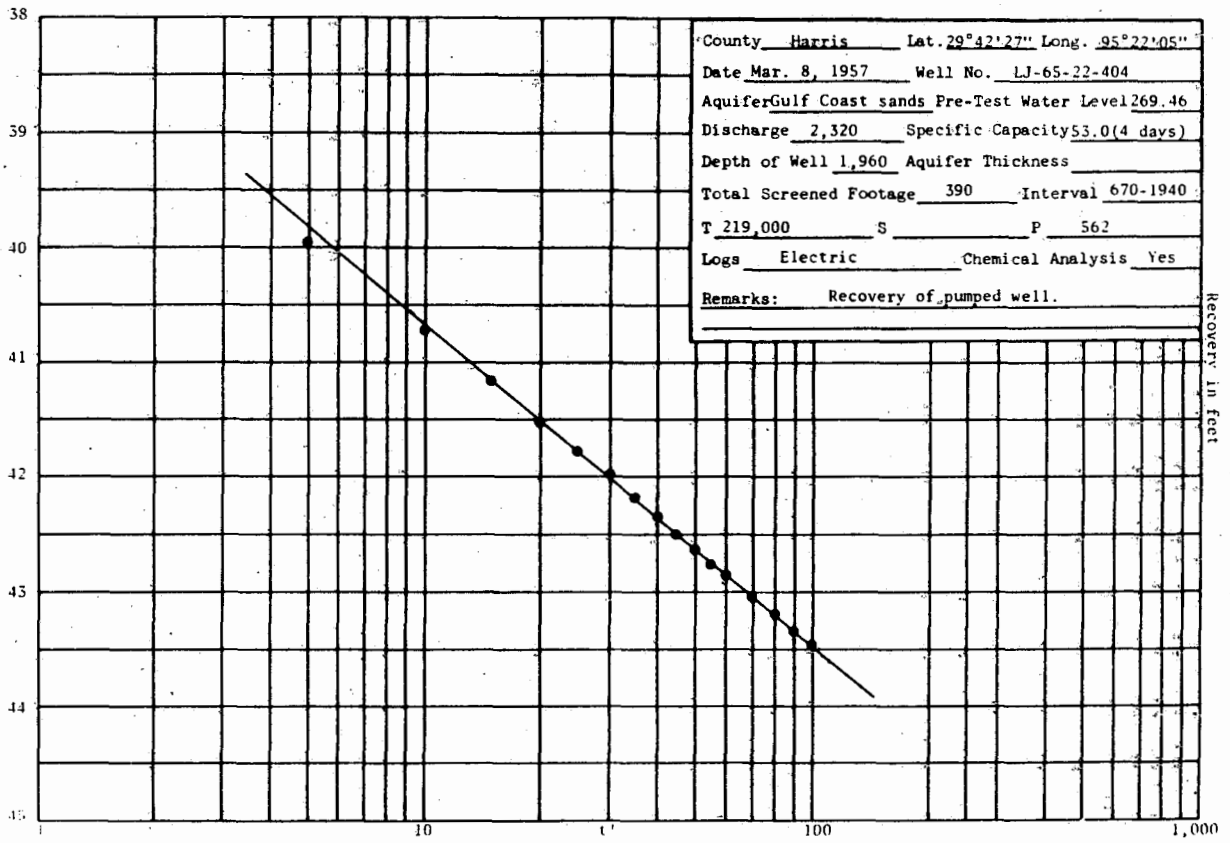
Recorded By _____ Date Record Collected or Updated- 02/04/1999

| Casing or Blank Pipe (C)
| Well Screen or Slotted Zone (
| Open Hole (O)
| Cemented from_____to_____

Diam. (in.)	Setting(feet) From	To
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Reporting Agency -
REMARKS -
390 ft of screen between 670 and
1940 ft. Measured yield 2316 gpm
with 43 ft drawdown when drilled.
Well 1.

Aquifer - 121EVGL
Well No. - 65 22 404


County Harris Lat. 29°42'27" Long. 95°22'05"
Date Mar. 8, 1957 Well No. LJ-65-22-404
Aquifer Gulf Coast sands Pre-Test Water Level 269.46
Discharge 2,320 Specific Capacity 53.0(4 days)
Depth of Well 1,960 Aquifer Thickness
Total Screened Footage 390 Interval 670-1940
T 219,000 S P 562
Logs Electric Chemical Analysis Yes
Remarks: Recovery of pumped well.
38
39
40
41
42
43
44
10
100
1,000
Recovery in feet

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-404

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522404
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.691111
Latitude (degrees minutes seconds)	29° 41' 28" N
Longitude (decimal degrees)	-95.368333
Longitude (degrees minutes seconds)	095° 22' 06" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	47
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	1960
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	1/15/1957
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Historical Observation Well
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Houston Southlawn
Driller	Layne Texas
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	2/23/1968
Last Update Date	7/20/2010

Remarks	Reported yield 2320 GPM with 43.7 feet recovery in 1957. Specific capacity 53 GPM/ft. Aquifer test results in TWDB R-98. No test data in TWDB files.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
24	Blank	Steel			0	595
12	Blank	Steel			495	670
12	Screen	Steel			670	685
12	Blank	Steel			685	770
12	Screen	Steel			770	795
12	Blank	Steel			795	805
12	Screen	Steel			805	820
12	Blank	Steel			820	870
12	Screen	Steel			870	880
12	Blank	Steel			880	920
12	Screen	Steel			920	945
12	Blank	Steel			945	970
12	Screen	Steel			970	995

12	Blank	Steel			995	1030
12	Screen	Steel			1030	1050
12	Blank	Steel			1050	1095
12	Screen	Steel			1095	1110
12	Blank	Steel			1110	1130
12	Screen	Steel			1130	1145
12	Blank	Steel			1145	1185
12	Screen	Steel			1185	1205
12	Blank	Steel			1205	1240
12	Screen	Steel			1240	1265
12	Blank	Steel			1265	1280
12	Screen	Steel			1280	1295
12	Blank	Steel			1295	1355
12	Screen	Steel			1355	1365
12	Blank	Steel			1365	1420
12	Screen	Steel			1420	1440
12	Blank	Steel			1440	1495
12	Screen	Steel			1495	1505
12	Blank	Steel			1505	1595
12	Screen	Steel			1595	1615
12	Blank	Steel			1615	1660
12	Screen	Steel			1660	1675
12	Blank	Steel			1675	1720
12	Screen	Steel			1720	1740
12	Blank	Steel			1740	1780
12	Screen	Steel			1780	1795
12	Blank	Steel			1795	1820
12	Screen	Steel			1820	1845
12	Blank	Steel			1845	1870
12	Screen	Steel			1870	1885
12	Blank	Steel			1885	1925
12	Screen	Steel			1925	1940
12	Blank	Steel			1940	1960

Well Tests - No Data

Lithology - No Data

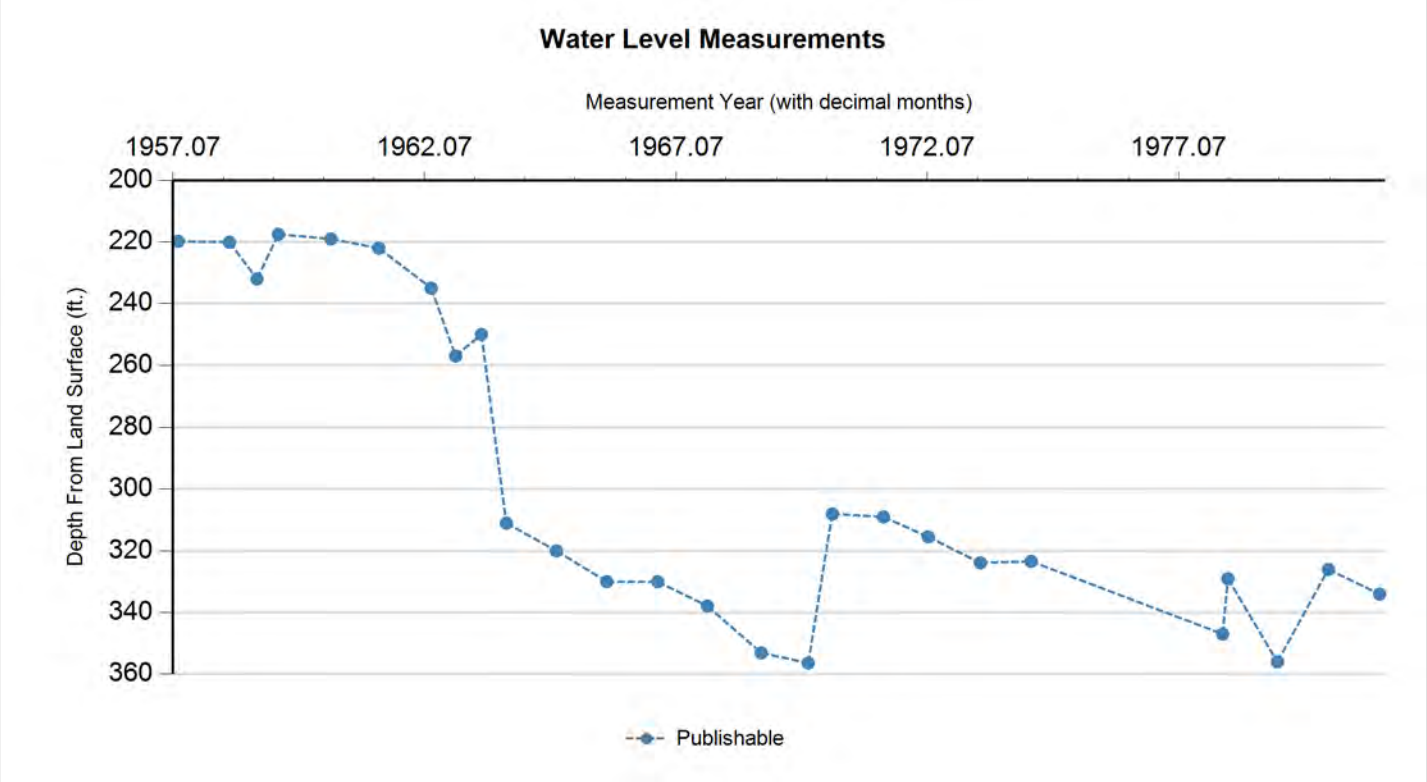
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/4/1957		219.75		-172.75	1	U.S. Geological Survey	Steel Tape		
P	3/11/1958		220.08	0.33	-173.08	1	U.S. Geological Survey	Steel Tape		
P	10/2/1958		232	11.92	-185	1	U.S. Geological Survey	Steel Tape		
P	3/2/1959		217.5	(14.50)	-170.5	1	U.S. Geological Survey	Steel Tape		
P	3/18/1960		219.02	1.52	-172.02	1	U.S. Geological Survey	Steel Tape		
P	3/1/1961		222	2.98	-175	1	U.S. Geological Survey	Air Line		
P	3/16/1962		235	13.00	-188	1	U.S. Geological Survey	Air Line		
P	9/13/1962		257	22.00	-210	1	U.S. Geological Survey	Air Line		
P	3/15/1963		250	(7.00)	-203	1	U.S. Geological Survey	Air Line		
P	9/16/1963		311	61.00	-264	1	U.S. Geological Survey	Steel Tape		
P	9/14/1964		320	9.00	-273	1	U.S. Geological Survey	Steel Tape		
P	9/15/1965		330	10.00	-283	1	U.S. Geological Survey	Steel Tape		
P	9/19/1966		330	0.00	-283	1	U.S. Geological Survey	Steel Tape		
P	9/15/1967		337.9	7.90	-290.9	1	U.S. Geological Survey	Steel Tape		
P	10/11/1968		353.1	15.20	-306.1	1	U.S. Geological Survey	Steel Tape		
P	9/17/1969		356.4	3.30	-309.4	1	U.S. Geological Survey	Steel Tape		
P	3/6/1970		308	(48.40)	-261	1	U.S. Geological Survey	Air Line		
P	3/12/1971		309	1.00	-262	1	U.S. Geological Survey	Air Line		
P	2/2/1972		315.45	6.45	-268.45	1	U.S. Geological Survey	Steel Tape		
P	2/16/1973		323.9	8.45	-276.9	1	U.S. Geological Survey	Steel Tape		
P	2/19/1974		323.4	(0.50)	-276.4	1	U.S. Geological Survey	Steel Tape		

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-404

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	12/14/1977		347	23.60	-300	1	Registered Water Well Driller	Unknown		
P	1/17/1978		329	(18.00)	-282	1	Registered Water Well Driller	Unknown		
P	1/11/1979		356	27.00	-309	1	U.S. Geological Survey	Air Line		
P	1/16/1980		326	(30.00)	-279	1	U.S. Geological Survey	Air Line		
P	1/23/1981		334.05	8.05	-287.05	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 3/8/1957 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		211.48	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		258	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		200	ug/L	
00910	CALCIUM (MG/L)		19	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		29	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.5	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		68	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		100	ug/L	
00920	MAGNESIUM (MG/L)		5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00937	POTASSIUM, TOTAL (MG/L AS K)		1.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.86		
00955	SILICA, DISSOLVED (MG/L AS SI02)		20	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		4.8		
00932	SODIUM, CALCULATED, PERCENT		73	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		91	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		513	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		15	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		308	mg/L	

Water Quality Analysis

Sample Date: 7/18/1962 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		244.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		298	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		46	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		52	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		593	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 4/3/1963 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		45	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/20/1964 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		244.26	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		298	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		609	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/23/1965 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		282	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		34	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		569	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/16/1966 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		245.9	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		300	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		52	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		604	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/8/1967 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		232.79	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		284	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		56	mg/L	
00400	PH (STANDARD UNITS), FIELD		8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		588	MICR	

Water Quality Analysis

Sample Date: 2/15/1968 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		240.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		73	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		588	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 2/27/1969 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		237.7	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		290	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		43	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		67	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.1	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		598	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/27/1970 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		240.98	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		294	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		59	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		605	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		28	C	

Water Quality Analysis

Sample Date: 3/10/1971 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236.07	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		288	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		60	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		597	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/7/1973 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		212.3	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		259	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		35	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		90	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		541	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 2/6/1975 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		227.87	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		278	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		598	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		27	C	

Water Quality Analysis

Sample Date: 2/28/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.92	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		250	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		32	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		513	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		14	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		26	C	

Water Quality Analysis

Sample Date: 4/5/1978 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		549	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		16	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25	C	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-404

Water Quality Analysis

Sample Date: 3/28/1979 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:**

Sampled Aquifer: Evangeline Aquifer

Analyzed Lab: **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		213.11	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		260	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		40	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		571	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		11	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		22	C	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

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Texas Water Development Board
Well Schedule

State Well Number 6522407 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294202 **Longitude** 952226 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Watson Service Station

Driller
H. L. Jackson Co.

Address _____ **Tenant/Oper.** _____

Date Drilled / /1951 **Depth** 181 **Source of Depth** **Altitude** 48 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** JET PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS 1 measurement
1951
-77

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178

Aquifer - 112CHCTU **ID -** 15

CHICOT
AQUIFER,UPPER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-407

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522407
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.700556
Latitude (degrees minutes seconds)	29° 42' 02" N
Longitude (decimal degrees)	-95.373889
Longitude (degrees minutes seconds)	095° 22' 26" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	48
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	181
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1951
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Watson Service Station
Driller	H. L. Jackson Co.
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178

Casing - No Data

Well Tests - No Data

Lithology - No Data

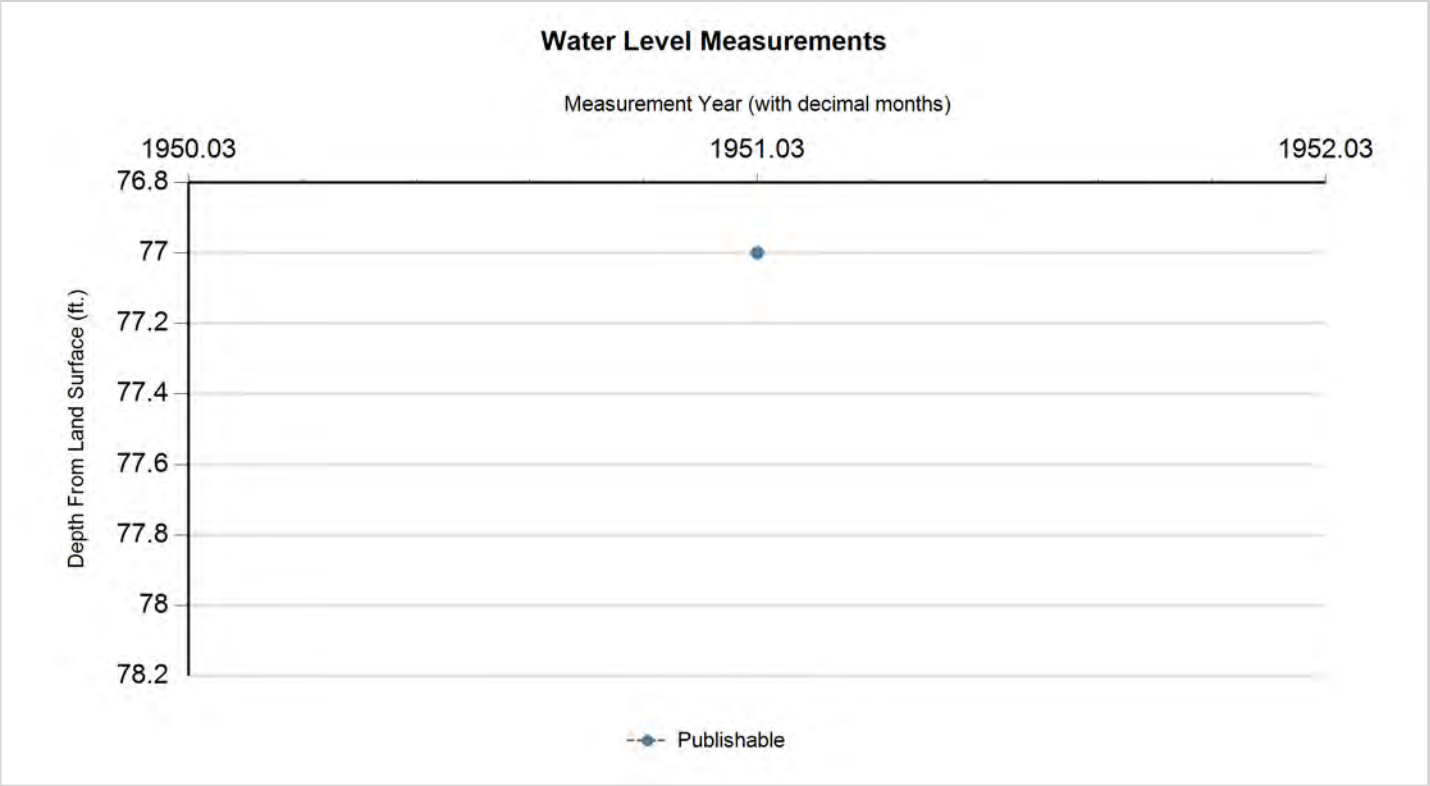
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/11/1951		77		-29	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board
Well Schedule

State Well Number 6522412 **Previous Well Number** **County** Harris 201

River Basin 10 San Jacinto River **Zone** 1 **Latitude** 294206 **Longitude** 952222 **Source of Coords** 2

Owner's Well No. _____ **Location** _____

Owner
Zero Food Co.

Driller
Bigham & Dodson

Address _____ **Tenant/Oper.** _____

Date Drilled / /1963 **Depth** 89 **Source of Depth** **Altitude** 47 **Source of Alt.**

Well Type W **User**

WELL CONSTRUCTION
Const-Method
Casing Material
Screen Material
Completion
Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) or Open Hole (O) Cemented from_____to_____

LIFT DATA - **Pump Mfr. -** _____ **Type -** JET PUMP **No. Stages** _____

Bowls Diam - _____ **in.** **Setting -** _____ **ft.** **Column Diam. -** _____ **in.**

Motor Mfr. - _____ **Fuel or Power -** ELECTRIC MOTOR **Horsepower -**

YIELD Flow- _____ **GPM** **Pump** _____ **GPM** **Meas.,Rept.,Est.-** _____ **Date-** _____

WATER USE **Primary -** INDUSTRIAL **Secondary -** **Tertiary -**

OTHER DATA AVAILABLE **Water Levels -** M **Quality -** N **Logs -** **Other Data -**

WATER LEVELS
1 measurement
1963
-24

Recorded By _____ **Date Record Collected or Updated -** 02/20/2003

Reporting Agency 01

REMARKS -
TWDB Report 178: Screen from 79 to 89 ft.
Yield: 10 gpm with 6 ft. drawdown when drilled.

Aquifer - 112CHCTU **ID -** 15
CHICOT AQUIFER,UPPER

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-412

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522412
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.701667
Latitude (degrees minutes seconds)	29° 42' 06" N
Longitude (decimal degrees)	-95.372778
Longitude (degrees minutes seconds)	095° 22' 22" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTU - Chicot Aquifer, Upper
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	47
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	89
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1963
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Zero Food Co.
Driller	Bigham & Dodson
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/20/2003
Last Update Date	2/20/2003

Remarks	TWDB Report 178: Screen from 79 to 89 ft. Yield: 10 gpm with 6 ft. drawdown when drilled.

Casing - No Data

Well Tests - No Data

Lithology - No Data

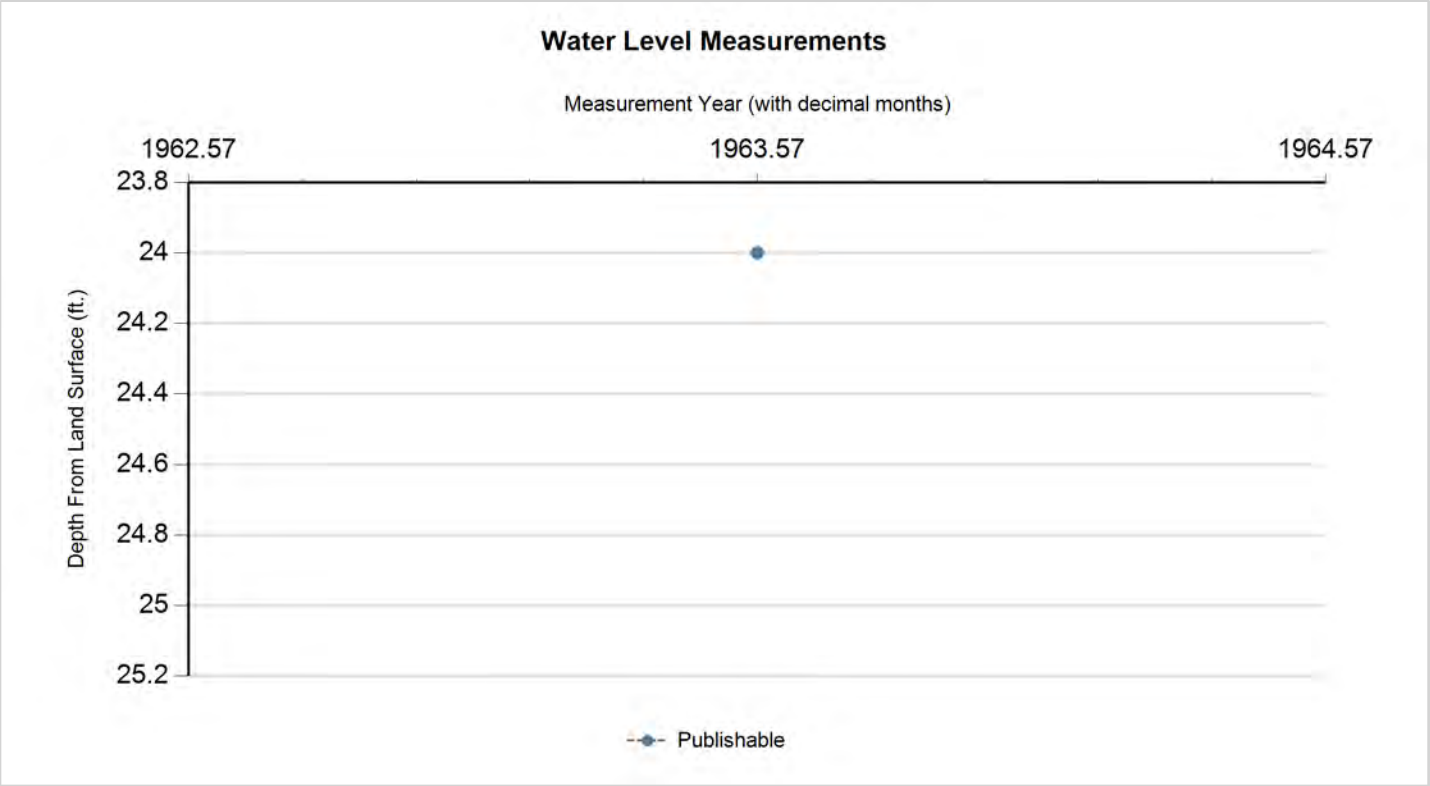
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/0/1963		24		23	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-415

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6522415
County	Harris
River Basin	San Jacinto
Groundwater Management Area	14
Regional Water Planning Area	H - Region H
Groundwater Conservation District	Harris-Galveston Subsidence District
Latitude (decimal degrees)	29.698334
Latitude (degrees minutes seconds)	29° 41' 54" N
Longitude (decimal degrees)	-95.351945
Longitude (degrees minutes seconds)	095° 21' 07" W
Coordinate Source	+/- 5 Seconds
Aquifer Code	112CHCTL - Chicot Aquifer, Lower
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	46
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	306
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	3/26/1960
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Industrial Metal Finishing Co.
Driller	Bussell & Son
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/25/1999
Last Update Date	1/25/1999

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 65-22-415

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Appendix Q

The name and address of each retail public utility, as defined in section 13.002 of the Texas Water Code that owns or operates a groundwater supply well within five miles of the boundary of the designated property.

1. City of Houston
   City of Houston, P.O. Box 1562, Houston, TX 77251

2. City of Southside Place
   6309 Edloe Avenue, Houston, TX 77005

3. City of West University Place
   3800 University Boulevard, West University Place, TX 77005

4. City of Bellaire
   City Hall, 7008 S Rice Avenue, Bellaire, TX 77401

Appendix R

A listing of each municipality, other than the City of Houston, with a corporate limit within one-half mile of the boundary of the designated property.

There are no municipalities, other than the City of Houston, with a corporate limit within 0.5 miles of the boundary of the Site.

Appendix S

A listing of each municipality, other than the City of Houston, that owns or operates a groundwater supply well within five miles of the boundary of the designated property.

1. City of Southside Place

   6309 Edloe Avenue, Houston, TX 77005

2. City of West University Place

   3800 University Boulevard, West University Place, TX 77005

3. City of Bellaire

   City Hall, 7008 S Rice Avenue, Bellaire, TX 77401

Appendix T

A listing of owners of real property within 2,500 ft of the boundary of the designated property as indicated by the most recent appraisal district records. Please Note: This requirement may include real property outside the City of Houston. Be sure to include ALL properties in the 2,500 ft. boundary. (An accompanying electronic excel file with mailing information should be included with your application.)

A listing of owners of real property within 2,500 feet of the boundary of the Site and mailing information, as indicated by the most recent appraisal district records, are provided in Table T. An Excel file is provided separately on a thumb drive.

Account Number	Owner	Mailing Address	Mailing City	Mailing St	Mailing Zip	Physical Address	Physical City	Physical St	Physical Zip
0050440000013	HOUSE GLADYS MARIE	1605 ANDREWS ST	HOUSTON	TX	77019-5021	1605 ANDREWS ST	HOUSTON	TX	77019
0050450000001	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	1611 RUTHVEN ST	HOUSTON	TX	77019
0082290000038	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 LAKIN ST	HOUSTON	TX	77007
0090820000006	H T LAND COMPANY	2001 COMMERCE ST STE 200	HOUSTON	TX	77002-2380	1015 GILLETTE ST	HOUSTON	TX	77019
0090850000003	CAMPBELL LUCINDA	1613 ROBIN ST	HOUSTON	TX	77019-4529	1613 ROBIN ST	HOUSTON	TX	77019
0090850000007	KUEH SZE YONG & MAO CHIN	6422 LADERA DR	HOUSTON	TX	77083-1417	1618 ANDREWS ST	HOUSTON	TX	77019
0090860000001	WILLIAMS CHARLES J SR	1601 SAULNIER ST	HOUSTON	TX	77019	1601 SAULNIER ST	HOUSTON	TX	77019
0090860000002	PEREZ LETICIA	1605 SAULNIER ST	HOUSTON	TX	77019-4533	1605 SAULNIER ST	HOUSTON	TX	77019
0090860000003	MERCADO EDUARDO M	1607 SAULNIER ST	HOUSTON	TX	77019-4533	1607 SAULNIER ST	HOUSTON	TX	77019
0090860000004	HOLLYWOOD INVESTMENT CORPORATION	2312 CONVERSE ST	HOUSTON	TX	77006-1906	1609 SAULNIER ST	HOUSTON	TX	77019
0090860000005	HOVSEPIAN ZAREH S	1613 SAULNIER ST	HOUSTON	TX	77019-4533	1613 SAULNIER ST	HOUSTON	TX	77019
0090860000006	HOANG THOMAS TRAN	5715 SCOTT ST	HOUSTON	TX	77021-1405	1109 GENESEE ST	HOUSTON	TX	77019
0090860000009	CADDEO SEBASTIANO GIORGIO	1612 ROBIN ST # A	HOUSTON	TX	77019-4530	1610 ROBIN ST	HOUSTON	TX	77019
0090860000014	FENLEY KRIS DORNELL	1603 SAULNIER ST	HOUSTON	TX	77019-4533	1603 SAULNIER ST	HOUSTON	TX	77019
0090870000001	BONNO LUCIA ANN	PO BOX 66382	HOUSTON	TX	77266-6382	1008 GILLETTE ST	HOUSTON	TX	77019
0090870000002	MIRAB ALI A	12343 RIP VAN WINKLE DR	HOUSTON	TX	77024-4945	0 W DALLAS ST	HOUSTON	TX	77019
0090870000009	BONNO LUCIA ANN	PO BOX 66382	HOUSTON	TX	77266-6382	1012 GILLETTE ST	HOUSTON	TX	77019
0090870000011	MIRAB ALI A	12343 RIP VAN WINKLE DR	HOUSTON	TX	77024-4945	1601 W DALLAS ST	HOUSTON	TX	77019
0090870000012	BONNO LUCIA ANN	PO BOX 66382	HOUSTON	TX	77266-6382	1010 GILLETTE ST	HOUSTON	TX	77019
0090870000013	MIRAB ALI A	12343 RIP VAN WINKLE DR	HOUSTON	TX	77024-4945	1603 W DALLAS ST	HOUSTON	TX	77019
0090870000014	BONNO LUCIA ANN	PO BOX 66382	HOUSTON	TX	77266-6382	1016 GILLETTE ST	HOUSTON	TX	77019
0090870000015	BONNO ANTOINETTE D & LUCIA ANN	503 BOLTON PL	HOUSTON	TX	77024-4600	1608 SAULNIER ST	HOUSTON	TX	77019
0090870000017	ANDTECH PROPERTIES LLC	9595 SIX PINES DR STE 8210	SPRING	TX	77380-1642	1020 GILLETTE ST	HOUSTON	TX	77019
0090870000018	BONNO ANTOINETTE D & LUCIA ANN	503 BOLTON PL	HOUSTON	TX	77024-4600	1018 GILLETTE ST	HOUSTON	TX	77019
0090870000019	S & I HOLDINGS LLC	6250 WOODS BRIDGE WAY	HOUSTON	TX	77007-7041	1014 GILLETTE ST	HOUSTON	TX	77019
0090870000020	S & I HOLDINGS LLC	6250 WOODS BRIDGE WAY	HOUSTON	TX	77007-7041	1606 SAULNIER ST	HOUSTON	TX	77019
0090870000021	CO MAX HOLDING & REALTY CO	1251 S KIRKWOOD RD	HOUSTON	TX	77077-2602	0 GILLETTE ST	HOUSTON	TX	77019
0090990000001	KUPER IVAN	515 BOMAR ST	HOUSTON	TX	77006-1406	515 BOMAR ST	HOUSTON	TX	77006
0090990000002	HENDRICKSON JAY G	511 BOMAR ST	HOUSTON	TX	77006-1406	511 BOMAR ST	HOUSTON	TX	77006
0091000000001	MARCIANTE ALFRED C	619 BOMAR ST	HOUSTON	TX	77006-1408	619 BOMAR ST	HOUSTON	TX	77006
0091000000002	MONTALVO JERRY L	PO BOX 66463	HOUSTON	TX	77266-6463	609 BOMAR ST	HOUSTON	TX	77006
0091000000005	VINCENT BLAKE B	PO BOX 130913	HOUSTON	TX	77219-0913	606 WILLARD ST	HOUSTON	TX	77006
0091000000007	WILLIAMS FRANK J	612 WILLARD ST	HOUSTON	TX	77006-2150	612 WILLARD ST	HOUSTON	TX	77006

0091010000002	MCHAM MICHAEL	713 BOMAR ST	HOUSTON	TX	77006-1315	713 BOMAR ST	HOUSTON	TX	77006
0091010000003	LEEKE BRIAN A	709 BOMAR ST	HOUSTON	TX	77006-1315	709 BOMAR ST	HOUSTON	TX	77006
0091010000004	COOOPER CHAILLE L	703 BOMAR ST	HOUSTON	TX	77006-1315	703 BOMAR ST	HOUSTON	TX	77006
0091010000005	WOLFE SARAH B	704 WILLARD ST	HOUSTON	TX	77006-1349	704 WILLARD ST	HOUSTON	TX	77006
0091010000006	UTTERSON CRAIG M	642 ARLINGTON ST	HOUSTON	TX	77007-2622	714 WILLARD ST	HOUSTON	TX	77006
0091010000007	PLEASON DANIEL J	1728 INDIANA ST	HOUSTON	TX	77006-1716	716 WILLARD ST	HOUSTON	TX	77006
0091010000008	BROUSSARD MORGAN	PO BOX 66734	HOUSTON	TX	77266-6734	718 WILLARD ST	HOUSTON	TX	77006
0091020000001	CURRENT OWNER	902 BOMAR ST	HOUSTON	TX	77006-1319	807 BOMAR ST	HOUSTON	TX	77006
0091020000002	LYTTLE THOMAS J	805 BOMAR ST	HOUSTON	TX	77006-1374	805 BOMAR ST	HOUSTON	TX	77006
0091020000005	802 WILLARD LLC	7155 OLD KATY ROAD STE 260	HOUSTON	TX	77024-2134	802 WILLARD ST	HOUSTON	TX	77006
0091030000001	KYSER KEITH	911 BOMAR ST	HOUSTON	TX	77006-1318	911 BOMAR ST	HOUSTON	TX	77006
0091030000002	FRAZIER C BROOKS & MARGARET	4108 GREELEY ST	HOUSTON	TX	77006-5609	909 BOMAR ST	HOUSTON	TX	77006
0091030000003	SROUR HISHAM R	905 BOMAR ST	HOUSTON	TX	77006-1318	905 BOMAR ST	HOUSTON	TX	77006
0091030000004	APPLETON ALEXANDRA & WILLIAM	901 BOMAR ST	HOUSTON	TX	77006-1318	901 BOMAR ST	HOUSTON	TX	77006
0091030000005	BEIRNE MARTIN D	2105 CHILTON RD	HOUSTON	TX	77019-1503	902 WILLARD ST	HOUSTON	TX	77006
0091030000006	BENARD HERMINE	906 WILLARD ST	HOUSTON	TX	77006-1353	904 WILLARD ST	HOUSTON	TX	77006
0091030000007	FEHRES CARL	906 WILLARD ST	HOUSTON	TX	77006-1353	906 WILLARD ST	HOUSTON	TX	77006
0091030000008	CLOUD ANDREW	908 WILLARD ST	HOUSTON	TX	77006-1353	908 WILLARD ST	HOUSTON	TX	77006
0091060000001	JASSO REBECCA	908 BOMAR ST	HOUSTON	TX	77006-1319	908 BOMAR ST	HOUSTON	TX	77006
0091060000002	TYLER EDNA P	904 BOMAR ST	HOUSTON	TX	77006-1319	904 BOMAR ST	HOUSTON	TX	77006
0091060000003	CURRENT OWNER	902 BOMAR ST	HOUSTON	TX	77006-1319	902 BOMAR ST	HOUSTON	TX	77006
0091060000004	CURRENT OWNER	808 BOMAR ST	HOUSTON	TX	77006-1359	808 BOMAR ST	HOUSTON	TX	77006
0091060000006	NICOL MATTHEW J	1207 VAN BUREN ST	HOUSTON	TX	77019-4130	806 BOMAR ST	HOUSTON	TX	77006
0091060000007	SHARP FARREL	804 BOMAR ST	HOUSTON	TX	77006-1359	804 BOMAR ST	HOUSTON	TX	77006
0091060000009	CURRENT OWNER	906 BOMAR ST	HOUSTON	TX	77006-1319	906 BOMAR ST	HOUSTON	TX	77006
0091070000002	KOLKER JASON	216 S POINSETTIA PL	LOS ANGELES	CA	90036-2850	402 BOMAR ST	HOUSTON	TX	77006
0101650000001	LANDMARK INDUSTRIES LTD / 7301	11111 WILCREST GREEN DR STE 100	HOUSTON	TX	77042-4739	1002 MONTROSE BLVD	HOUSTON	TX	77019
0101650000007	BOUCHARD CHARLOTTE M	1015 MARCONI ST	HOUSTON	TX	77019-4205	1015 MARCONI ST	HOUSTON	TX	77019
0101650000008	ZHANG JIENAN	1025 MARCONI ST	HOUSTON	TX	77019-4205	1025 MARCONI ST	HOUSTON	TX	77019
0101650000009	CARMODY MARY T	5205 PATRICK HENRY ST	BELLAIRE	TX	77401-4907	1105 MARCONI ST	HOUSTON	TX	77019
0101650000012	ADAMS DANIEL C & OLGA M	1115 MARCONI ST	HOUSTON	TX	77019-4207	1115 MARCONI ST	HOUSTON	TX	77019
0101650000013	TIOUTTCHEV DENIS V	2049 BRANARD ST	HOUSTON	TX	77098-2516	1207 MARCONI ST	HOUSTON	TX	77019
0101650000016	RACKAT PROPERTIES LLC	1208 MONTROSE BLVD	HOUSTON	TX	77019-4218	1219 MARCONI ST	HOUSTON	TX	77019
0101650000023	1118 MONTROSE LLC	PO BOX 66429	HOUSTON	TX	77266-6429	1118 MONTROSE BLVD	HOUSTON	TX	77019

0101650000024	1118 MONTROSE LLC	PO BOX 66429	HOUSTON	TX	77266-6429	1118 MONTROSE BLVD	HOUSTON	TX	77019
0101650000025	YANEZ MARGARITA	1206 MONTROSE BLVD	HOUSTON	TX	77019-4218	1206 MONTROSE BLVD	HOUSTON	TX	77019
0101650000026	DAVDEN INC	10 ROCKY LN	HOUSTON	TX	77040-1523	1110 W CLAY ST	HOUSTON	TX	77019
0101650000029	BENNETT DANIELLE R	1205 MARCONI ST	HOUSTON	TX	77019-4209	1205 MARCONI ST	HOUSTON	TX	77019
0101650000030	PAYNE TINA E	1209 MARCONI ST	HOUSTON	TX	77019-4209	1209 MARCONI ST	HOUSTON	TX	77019
0101650000031	WOO AARON W	1113 MARCONI ST	HOUSTON	TX	77019-4207	1113 MARCONI ST	HOUSTON	TX	77019
0101650000032	ROSSI KATHRYN & MICHELE ENZO	234 N TRANQUIL PATH	SPRING	TX	77380-2758	1117 MARCONI ST	HOUSTON	TX	77019
0101650000033	EMILY S JACKSON LIVING TRUST U / A	1105 MARCONI ST UNIT C	HOUSTON	TX	77019-4207	1105 MARCONI ST	HOUSTON	TX	77019
0101650000034	HO THAO QUANG	1105 MARCONI ST UNIT A	HOUSTON	TX	77019-4207	1105 MARCONI ST	HOUSTON	TX	77019
0101650000036	CHAN JOYCE	1023 MARCONI ST	HOUSTON	TX	77019-4205	1023 MARCONI ST	HOUSTON	TX	77019
0101650000037	KRYLOV MIKHAIL	1021 MARCONI ST	HOUSTON	TX	77019-4205	1021 MARCONI ST	HOUSTON	TX	77019
0101650000038	PAPADAKIS PETER THOMAS	1017 MARCONI ST	HOUSTON	TX	77019-4205	1017 MARCONI ST	HOUSTON	TX	77019
0101650000039	THOMPSON JOHN E & HELYNA B	1019 MARCONI ST	HOUSTON	TX	77019-4205	1019 MARCONI ST	HOUSTON	TX	77019
0101650000040	MINICH PAMELA A	1107C MARCONI ST	HOUSTON	TX	77019-4207	1107 MARCONI ST	HOUSTON	TX	77019
0101650000041	RUNSER HOWARD G	1107 MARCONI ST UNIT A	HOUSTON	TX	77019-4207	1107 MARCONI ST	HOUSTON	TX	77019
0101650000042	GIOMETTI JUAN	1107 MARCONI ST B	HOUSTON	TX	77019-4207	1107 MARCONI ST	HOUSTON	TX	77019
0101650000043	OST DAVID	1215 MARCONI ST UNIT C	HOUSTON	TX	77019-4209	1215 MARCONI ST	HOUSTON	TX	77019
0101650000044	GARZA FRANCISCO J & AYN B	1215 MARCONI ST # B	HOUSTON	TX	77019-4209	1215 MARCONI ST	HOUSTON	TX	77019
0101650000045	JIANG HUA	24031 NORTHSHIRE LANE	KATY	TX	77494-4542	1215 MARCONI ST	HOUSTON	TX	77019
0101660000005	GULLEDGE WILLIAM M III	PO BOX 130665	HOUSTON	TX	77219-0665	1004 COLUMBUS ST	HOUSTON	TX	77019
0101660000013	SUPO CORPORATION	1209 MONTROSE BLVD	HOUSTON	TX	77019-4217	1203 MONTROSE BLVD	HOUSTON	TX	77019
0101660000014	SUPO CORPORATION	1209 MONTROSE BLVD	HOUSTON	TX	77019-4217	1207 MONTROSE BLVD	HOUSTON	TX	77019
0101660000015	SUPO CORPORATION	1209 MONTROSE BLVD	HOUSTON	TX	77019-4217	1211 MONTROSE BLVD	HOUSTON	TX	77019
0101660000016	SUPO CORPORATION	1209 MONTROSE BLVD	HOUSTON	TX	77019-4217	1211 MONTROSE BLVD	HOUSTON	TX	77019
0101660000018	BRESCIA OLIVIA	1014 COLUMBUS ST	HOUSTON	TX	77019-4346	1014 COLUMBUS ST	HOUSTON	TX	77019
0101660000029	FIELDS CHRISTOPHER	1020 COLUMBUS ST	HOUSTON	TX	77019-4346	1020 COLUMBUS ST	HOUSTON	TX	77019
0101660000033	PAYNE STEPHANIE K	1002A COLUMBUS ST	HOUSTON	TX	77019-4346	1002 COLUMBUS ST	HOUSTON	TX	77019
0101660000034	UPPULURI PALLAVI	1000 COLUMBUS ST # C	HOUSTON	TX	77019-4346	1000 COLUMBUS ST	HOUSTON	TX	77019
0101660000035	ROSELL WILLIAM	1210 WELLSHIRE DR	KATY	TX	77494-3911	1000 COLUMBUS ST	HOUSTON	TX	77019
0101660000036	MOMIN RIYAZ & ZOHRA	155 GRACE POINT DR	SUGAR LAND	TX	77498-1878	1000 COLUMBUS ST	HOUSTON	TX	77019
0101660000037	NEJAD DAVAR	1018 COLUMBUS ST	HOUSTON	TX	77019-4346	1018 COLUMBUS ST	HOUSTON	TX	77019
0101660000038	GORDON KAREN S	1104 COLUMBUS ST	HOUSTON	TX	77019-4344	1104 COLUMBUS ST	HOUSTON	TX	77019
0101660000039	COLLIN HARLAN 2021 IRREVGOCABLE TRUST	1106 COLUMBUS ST	HOUSTON	TX	77019-4344	1106 COLUMBUS ST	HOUSTON	TX	77019
0101660000040	NEJAD DAVAR	1018 COLUMBUS ST	HOUSTON	TX	77019-4346	1108 COLUMBUS ST	HOUSTON	TX	77019

0101660000042	SAID ESKENDER	1006 COLUMBUS ST	HOUSTON	TX	77019-4346	1006 COLUMBUS ST	HOUSTON	TX	77019
0101660000043	HUGHES SCOTT P	1008 COLUMBUS ST	HOUSTON	TX	77019-4346	1008 COLUMBUS ST	HOUSTON	TX	77019
0101660000044	TYSON KIM F	1012 COLUMBUS ST	HOUSTON	TX	77019-4346	1012 COLUMBUS ST	HOUSTON	TX	77019
0101660000046	MCELYA JOSEPH	PO BOX 25193	HOUSTON	TX	77265-5193	1204 COLUMBUS ST	HOUSTON	TX	77019
0101660000047	SAVOY JOE L & DEE A	3030 N STEMMONS FWY STE B	DALLAS	TX	75247-6105	1010 COLUMBUS ST	HOUSTON	TX	77019
0101660000048	CURRENT OWNER	1508 FOWLER ST	HOUSTON	TX	77007-3428	1002 COLUMBUS ST	HOUSTON	TX	77019
0101660000049	RODDY ELLIOT D	1004A COLUMBUS ST	HOUSTON	TX	77019-4346	1004 COLUMBUS ST	HOUSTON	TX	77019
0101660000050	SIEBACH KIRSTEN L	2380 S MACGREGOR WAY APT 453	HOUSTON	TX	77021-1169	1200 COLUMBUS ST	HOUSTON	TX	77019
0101660000051	NORBECK EDWARD C	1515 OAKDALE ST UNIT 9	HOUSTON	TX	77004-5986	1202 COLUMBUS ST	HOUSTON	TX	77019
0101660000052	PAREKH PUJA S	1126 COLUMBUS ST	HOUSTON	TX	77019-4344	1126 COLUMBUS ST	HOUSTON	TX	77019
0101660000053	VILLEGAS-MONTOYA CAROLINA	1124 COLUMBUS ST	HOUSTON	TX	77019-4344	1124 COLUMBUS ST	HOUSTON	TX	77019
0101660000054	NUTAKKI KRISHNA C	224 OLD RIVER RD	LINCOLN	RI	02865-1106	1122 COLUMBUS ST	HOUSTON	RI	77019
0101660010001	MILLER LOUIS M	1210 COLUMBUS ST	HOUSTON	TX	77019-4342	1210 COLUMBUS ST	HOUSTON	TX	77019
0101660010002	GAMEZ RICHARD	1212 COLUMBUS ST	HOUSTON	TX	77019-4342	1212 COLUMBUS ST	HOUSTON	TX	77019
0101660020001	GZ MONTROSE W DALLAS LLC	1801 POST OAK BLVD STE 100	HOUSTON	TX	77056-3835	1013 MONTROSE BLVD	HOUSTON	TX	77019
0101670000013	WARD KENNETH T	3310 WICHITA ST	HOUSTON	TX	77004-6346	1424 MONTROSE BLVD	HOUSTON	TX	77019
0101680000001	GLENMONT MOTORS INC	1303 MONTROSE BLVD	HOUSTON	TX	77019-4233	1303 MONTROSE BLVD 6	HOUSTON	TX	77019
0101680000004	MARSHALL GREG S & FRANCINE	1001 W CLAY ST	HOUSTON	TX	77019-4223	1001 W CLAY ST	HOUSTON	TX	77019
0221440000001	2929 REAL ESTATE HOLDINGS LLC	2929 ALLEN PKWY	HOUSTON	TX	77019-7100	2626 W DALLAS ST	HOUSTON	TX	77019
0221440000016	RICHMOND STAR REALTY LLC	9186 KATY FWY	HOUSTON	TX	77055-7456	2620 W DALLAS ST	HOUSTON	TX	77019
0260950000001	ORSAK & STEVENS LLC	1902 TAFT ST	HOUSTON	TX	77006-1430	1902 TAFT ST	HOUSTON	TX	77006
0260950000010	HANKINS JOSEPH M	312 BOMAR ST	HOUSTON	TX	77006-1462	312 BOMAR ST	HOUSTON	TX	77006
0260950000011	HOLDEN MARK D	314 BOMAR ST	HOUSTON	TX	77006-1462	314 BOMAR ST	HOUSTON	TX	77006
0281450000021	HAASS NORMA A	1339 W CLAY ST UNIT A	HOUSTON	TX	77019-4003	1339 W CLAY ST	HOUSTON	TX	77019
0281450000022	DOSS TERESSA	1339 W CLAY ST APT B	HOUSTON	TX	77019-4003	1339 W CLAY ST	HOUSTON	TX	77019
0281450010001	NAQVI NASREEN V	3302 LA SALLE ST	HOUSTON	TX	77027-6316	1325 W CLAY ST	HOUSTON	TX	77019
0281450010002	HAWKINS CHRISTOPHER S	6813 VALBURN DR	AUSTIN	TX	78731-1805	1325 W CLAY ST	HOUSTON	TX	77019
0281450010003	PERRITT ROBERT J	1325 W CLAY ST APT C	HOUSTON	TX	77019-4025	1325 W CLAY ST	HOUSTON	TX	77019
0281450010004	DUHEN THOMAS F & MARIA A	1325 W CLAY ST APT D	HOUSTON	TX	77019-4025	1325 W CLAY ST	HOUSTON	TX	77019
0281450010005	TONG PETER & SO CHUN	1325 W CLAY ST APT E	HOUSTON	TX	77019-4025	1325 W CLAY ST	HOUSTON	TX	77019
0281450010006	LARSON ERIC A	1325 W CLAY ST APT F	HOUSTON	TX	77019-4025	1325 W CLAY ST	HOUSTON	TX	77019
0300470000001	MORSAND LLC	1826 LAURA ANNE	HOUSTON	TX	77049-3837	1818 W DALLAS ST	HOUSTON	TX	77019
0300470000004	FROST RANCH LTD	2930 REVERE ST STE 300	HOUSTON	TX	77098-5607	0 W DALLAS ST	HOUSTON	TX	77019
0300470000005	FROST RANCH LTD	2930 REVERE ST STE 300	HOUSTON	TX	77098-5607	0 RHODE	HOUSTON	TX	77019

0300470000007	CURRENT OWNER	908 RHODE PL	HOUSTON	TX	77019-2714	908 RHODE PL	HOUSTON	TX	77019
0300470000022	TAFT VENTURE LTD	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	806 RHODE PL	HOUSTON	TX	77019
0300470000023	TAFT VENTURE LTD % MRS J E ANTONE	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	0 TAFT	HOUSTON	TX	77019
0300470000024	TAFT VENTURE LTD % MRS J E ANTONE	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	0 TAFT	HOUSTON	TX	77019
0300470000028	ALLEN ANNA M ET AL	13403 BLACKBIRD DR	CYPRESS	TX	77429-3181	905 TAFT ST	HOUSTON	TX	77019
0301270000014	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	3519 WILLIA ST	HOUSTON	TX	77007
0301270000016	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WILLIA ST	HOUSTON	TX	77007
0301270000017	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	3517 WILLIA ST	HOUSTON	TX	77007
0301270000018	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	3515 WILLIA ST	HOUSTON	TX	77007
0301270000020	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	3511 WILLIA ST	HOUSTON	TX	77007
0301270000021	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	3509 WILLIA ST	HOUSTON	TX	77007
0301270000022	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	3503 WILLIA ST	HOUSTON	TX	77007
0301410000012	JAIMES FRANSISCO &	1203 WILLARD ST	HOUSTON	TX	77006-1109	1203 WILLARD ST	HOUSTON	TX	77006
0301410000013	BAIN JAMES L	1201 WILLARD ST	HOUSTON	TX	77006-1109	1201 WILLARD ST	HOUSTON	TX	77006
0301420000014	GUTHRIE DAVID MORROW	1121 WILLARD ST	HOUSTON	TX	77006-1237	1121 WILLARD ST	HOUSTON	TX	77006
0301420000015	JANDER JUSTIN	1119 WILLARD ST	HOUSTON	TX	77006-1237	1119 WILLARD ST	HOUSTON	TX	77006
0301420000016	BISHOP ALFRED III	1751 MARSHALL ST	HOUSTON	TX	77098-2801	1117 WILLARD ST	HOUSTON	TX	77006
0301420000017	ODONNELL EDWARD HALL	1115 WILLARD ST	HOUSTON	TX	77006-1237	1115 WILLARD ST	HOUSTON	TX	77006
0301420000018	GREENWOOD CYNTHIA ANNE	1113 WILLARD ST	HOUSTON	TX	77006-1237	1113 WILLARD ST	HOUSTON	TX	77006
0301420000019	KNETEN GLENN ALLEN R	1111 WILLARD ST	HOUSTON	TX	77006-1237	1111 WILLARD ST	HOUSTON	TX	77006
0301420000020	KINALIDIS CHRISTODOU & KATHRYN	1109 WILLARD ST	HOUSTON	TX	77006-1237	1109 WILLARD ST	HOUSTON	TX	77006
0301420000021	KURIAKOSE NOBLE L & ELIZABETH ANN LAWTC	1107 WILLARD	HOUSTON	TX	77006-1237	1107 WILLARD ST	HOUSTON	TX	77006
0301420000023	CURRENT OWNER	5535 MEMORIAL DR STE F	HOUSTON	TX	77007-8023	2016 MONTROSE BLVD	HOUSTON	TX	77006
0301430000026	TEXAS ART SUPPLY CO	15 GREENWAY PLAZA STE 6G	HOUSTON	TX	77046-1503	2001 MONTROSE BLVD	HOUSTON	TX	77006
0301440000030	BECHTER CARMEN C	1220 WILLARD ST	HOUSTON	TX	77006-1110	1220 WILLARD ST	HOUSTON	TX	77006
0301440000031	MARINO JEFFREY & JOY REVOCABLE TRUST	1218 WILLARD ST	HOUSTON	TX	77006-1110	1218 WILLARD ST	HOUSTON	TX	77006
0301440000032	KINNEY VIRGINIA K	1216 WILLARD ST	HOUSTON	TX	77006-1110	1216 WILLARD ST	HOUSTON	TX	77006
0301440000033	DUBOISE JOHN M & CHRISTINA M	1214 WILLARD ST	HOUSTON	TX	77006-1110	1214 WILLARD ST	HOUSTON	TX	77006
0301440000034	PORTNER CHRIS	1212 WILLARD ST	HOUSTON	TX	77006-1110	1212 WILLARD ST	HOUSTON	TX	77006
0301440000035	SOLIS CHRISTINA	1210 WILLARD ST	HOUSTON	TX	77006-1110	1210 WILLARD ST	HOUSTON	TX	77006
0301440000036	MENOTTI THERESA	411 N SAM HOUSTON PKWY E STE 3	HOUSTON	TX	77060-3579	1208 WILLARD ST	HOUSTON	TX	77006
0301440000037	HOWARD KAY	1206 WILLARD ST	HOUSTON	TX	77006-1110	1206 WILLARD ST	HOUSTON	TX	77006
0301440000038	BOGEL JAMES R	1204 WILLARD ST	HOUSTON	TX	77006-1110	1204 WILLARD ST	HOUSTON	TX	77006
0301440000039	DOVE NORVAL R	1201 BOMAR ST	HOUSTON	TX	77006-1119	1202 WILLARD ST	HOUSTON	TX	77006

0301440000052	VENKATRAMAN DHRUV	1301 BOMAR ST	HOUSTON	TX	77006-1121	1301 BOMAR ST	HOUSTON	TX	77006
0301440000053	CROIX CUSTOM HOMES INC	1223 BOMAR ST	HOUSTON	TX	77006-1119	1223 BOMAR ST	HOUSTON	TX	77006
0301440000054	STEINHARDT JEAN H	1221 BOMAR ST	HOUSTON	TX	77006-1119	1221 BOMAR ST	HOUSTON	TX	77006
0301440000055	JONKE PATRICK J	1219 BOMAR ST	HOUSTON	TX	77006-1119	1219 BOMAR ST	HOUSTON	TX	77006
0301440000056	VARGAS JAIME R	1217 BOMAR ST	HOUSTON	TX	77006-1119	1217 BOMAR ST	HOUSTON	TX	77006
0301440000057	FISHKIN STEVEN W & KARA L	1215 BOMAR ST	HOUSTON	TX	77006-1119	1215 BOMAR ST	HOUSTON	TX	77006
0301440000058	GARCIA VIRGENMINA	1213 BOMAR ST	HOUSTON	TX	77006-1119	1213 BOMAR ST	HOUSTON	TX	77006
0301440000059	LUPO JOHN D & SUSAN B	1211 BOMAR ST	HOUSTON	TX	77006-1119	1211 BOMAR ST	HOUSTON	TX	77006
0301440000060	SHELL JEFFREY G	1209 BOMAR ST	HOUSTON	TX	77006-1119	1209 BOMAR ST	HOUSTON	TX	77006
0301440000061	NELSON PAUL J & ELIZABETH	500 LOVETT BLVD UNIT 260	HOUSTON	TX	77006-4076	1207 BOMAR ST	HOUSTON	TX	77006
0301440000062	GRIFFIN RITA N	1201 BOMAR ST	HOUSTON	TX	77006-1119	1205 BOMAR ST	HOUSTON	TX	77006
0301440000063	DOVE ROLAND	1203 BOMAR ST	HOUSTON	TX	77006-1119	1203 BOMAR ST	HOUSTON	TX	77006
0301440000064	DOVE N ROLAND &	1201 BOMAR ST	HOUSTON	TX	77006	1201 B0MAR ST	HOUSTON	TX	77006
0301450000040	CURRENT OWNER	1122 WILLARD ST	HOUSTON	TX	77006-1238	1122 WILLARD ST	HOUSTON	TX	77006
0301450000041	MANGHNANI SANJIV	1122 WILLARD ST	HOUSTON	TX	77006-1238	1120 WILLARD ST	HOUSTON	TX	77006
0301450000042	CRAVENS RUTHERFORD	1118 WILLARD ST	HOUSTON	TX	77006-1238	1118 WILLARD ST	HOUSTON	TX	77006
0301450000043	JIMENEZ M CARLOS	1116 WILLARD ST	HOUSTON	TX	77006-1238	1116 WILLARD ST	HOUSTON	TX	77006
0301450000045	MCGLASHEN CLAIRE C	1112 WILLARD ST	HOUSTON	TX	77006-1238	1112 WILLARD ST	HOUSTON	TX	77006
0301450000046	RAMIREZ JOSE & ISABEL	1110 WILLARD ST	HOUSTON	TX	77006-1238	1110 WILLARD ST	HOUSTON	TX	77006
0301450000065	CARMICHAEL LINDA M	1123 BOMAR ST	HOUSTON	TX	77006-1223	1123 BOMAR ST	HOUSTON	TX	77006
0301450000066	GUNNING JASON B & ANGELA S	737 CRESTVIEW DR	CORPUS CHRI	TX	78412-3133	1121 BOMAR ST	HOUSTON	TX	77006
0301450000067	CURRENT OWNER	1115 BOMAR ST	HOUSTON	TX	77006-1223	1115 BOMAR ST	HOUSTON	TX	77006
0301450000068	CURRENT OWNER	1111 BOMAR ST	HOUSTON	TX	77006-1223	1111 BOMAR ST	HOUSTON	TX	77006
0301450000069	GONZALES ANNA M	1109 BOMAR ST	HOUSTON	TX	77006-1223	1109 BOMAR ST	HOUSTON	TX	77006
0301450000070	HIGHBERG MELISSA	1107 BOMAR ST	HOUSTON	TX	77006-1223	1107 BOMAR ST	HOUSTON	TX	77006
0301450000071	SHARRAR SCOTT & HIEN L	11660 ARROWWOOD CIR	HOUSTON	TX	77063-1402	1105 BOMAR ST	HOUSTON	TX	77006
0301450000072	BHAGAT REAL ESTATE INVESTMENTS LLC	11660 ARROWWOOD CIR	HOUSTON	TX	77063-1402	1103 BOMAR ST	HOUSTON	TX	77006
0301450000077	CROWLEY TIMOTHY J	PO BOX 1514	MARFA	TX	79843-1514	1114 WILLARD ST	HOUSTON	TX	77006
0301460000076	PELHAM DRIVE LLC	2103 CONVERSE ST	HOUSTON	TX	77006-1901	1003 BOMAR ST	HOUSTON	TX	77006
0301460000080	TEXAS ART SUPPLY	15 GREENWAY PLAZA STE 6G	HOUSTON	TX	77046-1503	0 WILLARD	HOUSTON	TX	77006
0301460000085	1001 BOMAR LLC	4108 GREELEY ST	HOUSTON	TX	77006-5609	1001 BOMAR ST	HOUSTON	TX	77006
0301470000077	MALIK SARAH	1300 BOMAR ST	HOUSTON	TX	77006-1122	1300 BOMAR ST	HOUSTON	TX	77006
0301470000078	NGUYEN JOSHUA EMERSON	1228 BOMAR ST	HOUSTON	TX	77006-1120	1228 BOMAR ST	HOUSTON	TX	77006
0301470000079	CURRENT OWNER	1220 BOMAR ST	HOUSTON	TX	77006-1120	1220 BOMAR ST	HOUSTON	TX	77006

0301470000080	CURRENT OWNER	1220 BOMAR ST	HOUSTON	TX	77006-1120	1218 BOMAR ST	HOUSTON	TX	77006
0301470000081	BRACKMAN ADAM	1216 BOMAR ST	HOUSTON	TX	77006-1120	1216 BOMAR ST	HOUSTON	TX	77006
0301470000082	NEILSON JOEL R	1214 BOMAR ST	HOUSTON	TX	77006-1120	1214 BOMAR ST	HOUSTON	TX	77006
0301470000083	THYLARA REAL PROPERTY HOLDINGS LLC	1212 BOMAR ST	HOUSTON	TX	77006-1120	1212 BOMAR ST	HOUSTON	TX	77006
0301470000084	SCHORNO ANN C	1210 BOMAR ST	HOUSTON	TX	77006-1120	1210 BOMAR ST	HOUSTON	TX	77006
0301470000085	RODRIGUEZ RICHARD A	6507 PINEHURST DR	HOUSTON	TX	77023-3409	1208 BOMAR ST	HOUSTON	TX	77006
0301470000086	SELBER JESSE C	1206 BOMAR ST	HOUSTON	TX	77006-1120	1206 BOMAR ST	HOUSTON	TX	77006
0301470000087	BARBER JANICE M & DONALD R	1204 BOMAR ST	HOUSTON	TX	77006-1120	1204 BOMAR ST	HOUSTON	TX	77006
0301470000088	SANFORD E R II	1202 BOMAR ST	HOUSTON	TX	77006-1120	1202 BOMAR ST	HOUSTON	TX	77006
0301480000090	CURRENT OWNER	1124 BOMAR ST	HOUSTON	TX	77006-1224	1124 BOMAR ST	HOUSTON	TX	77006
0301480000091	COMMINS BRITTANY & PULLING RONALD W	1122 BOMAR ST	HOUSTON	TX	77006-1224	1122 BOMAR ST	HOUSTON	TX	77006
0301480000093	CURRENT OWNER	1111 BOMAR ST	HOUSTON	TX	77006-1223	1112 BOMAR ST	HOUSTON	TX	77006
0301480000094	FAHEY BRIAN K & LISA D	4709 WILLOW ST	BELLAIRE	TX	77401-4413	1110 BOMAR ST	HOUSTON	TX	77006
0301480000096	ZHOU JING	4102 WATERVIEW CT	MISSOURI CIT	TX	77459-2308	1106 BOMAR ST	HOUSTON	TX	77006
0301490000099	1717 MONTROSE LLC	5618 LONGMONT DR	HOUSTON	TX	77056-2345	1717 MONTROSE BLVD	HOUSTON	TX	77006
0301490000100	MONTROSE PETS LLC	1701 MONTROSE BLVD	HOUSTON	TX	77006-1241	1016 BOMAR ST	HOUSTON	TX	77006
0301490000101	LOPEZ FRANK C	1004 BOMAR ST	HOUSTON	TX	77006-1321	1004 BOMAR ST	HOUSTON	TX	77006
0301490000102	STIGALL JUSTIN	1700 GRANT ST	HOUSTON	TX	77006-1300	1700 GRANT ST	HOUSTON	TX	77006
0301490000105	LITTLEPAGE 006 HOLDINGS LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	1002 BOMAR ST	HOUSTON	TX	77006
0350040000006	KELINSKE MARY	1312 BOMAR ST	HOUSTON	TX	77006-1122	1312 BOMAR ST	HOUSTON	TX	77006
0350040000007	NICA ALINA F	1310 BOMAR ST	HOUSTON	TX	77006-1122	1310 BOMAR ST	HOUSTON	TX	77006
0350040000008	CROIX CUSTOM HOMES INC	PO BOX 132977	SPRING	TX	77393-2977	1308 BOMAR ST	HOUSTON	TX	77006
0350040000009	MACDONALD TIMOTHY B	1306 BOMAR ST	HOUSTON	TX	77006-1122	1306 BOMAR ST	HOUSTON	TX	77006
0350040000010	GARCIA JOSE R	1304 BOMAR ST	HOUSTON	TX	77006-1122	1304 BOMAR ST	HOUSTON	TX	77006
0350040000011	BAYBRO BUILDERS CORPORATION	3444 KATY FWY STE 300	HOUSTON	TX	77007-2596	1253 PEDEN ST	HOUSTON	TX	77006
0350040000013	STIVER HOLDINGS LLC	1305 PEDEN ST	HOUSTON	TX	77006-1123	1305 PEDEN ST	HOUSTON	TX	77006
0350040000014	STIVER HOLDINGS LLC	1305 PEDEN ST	HOUSTON	TX	77006-1123	1309 PEDEN ST	HOUSTON	TX	77006
0350040000015	STADLER RANDY L	1311 PEDEN ST	HOUSTON	TX	77006-1123	1311 PEDEN ST	HOUSTON	TX	77006
0350040000016	STIVER HOLDINGS LLC	1305 PEDEN ST	HOUSTON	TX	77006-1123	1313 PEDEN ST	HOUSTON	TX	77006
0350040000017	GREGORY ALEX M	7583 LOCKFORD CT	CUPERTINO	CA	95014-5047	1315 PEDEN ST	HOUSTON	TX	77006
0350040000018	DEY RAVEEN	1317 PEDEN ST	HOUSTON	TX	77006-1123	1317 PEDEN ST	HOUSTON	TX	77006
0350040010001	CURRENT OWNER	4215 WASHINGTON AVE	HOUSTON	TX	77007-5637	1323 PEDEN ST	HOUSTON	TX	77006
0370770000008	DUBACH JOSH & HELEN	2002 CONVERSE ST	HOUSTON	TX	77006-1302	2002 CONVERSE ST	HOUSTON	TX	77006
0370770000009	RENFROW MATTHEW HUNT & TIFFANY A	905 WILLARD ST	HOUSTON	TX	77006-1352	905 WILLARD ST	HOUSTON	TX	77006

0370780010001	NGUYEN BRADFORD	903A WILLARD ST	HOUSTON	TX	77006-1352	903 WILLARD ST A	HOUSTON	TX	77006
0370780010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WILLARD ST	HOUSTON	TX	77006
0370890000095	JOHNSON STEPHEN V	1110 WELCH ST	HOUSTON	TX	77006-1236	1110 WELCH ST	HOUSTON	TX	77006
0370890000096	2020 VENTURE	2020 MONTROSE BLVD STE 100	HOUSTON	TX	77006-1263	2020 MONTROSE BLVD	HOUSTON	TX	77006
0401000000020	GLENWOOD CEMETERY	PO BOX 696	HOUSTON	TX	77001-0696	2555 WASHINGTON AVE	HOUSTON	TX	77007
0401000000030	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR	HOUSTON	TX	77007
0401000000032	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 CITY	HOUSTON	TX	77007
0401000000041	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR	HOUSTON	TX	77007
0401000000042	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR	HOUSTON	TX	77007
0401000000045	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR	HOUSTON	TX	77007
0401010000001	U S POSTAL SERVICE	U S POST OFFICE	HOUSTON	TX	77001	2905 WASHINGTON AVE	HOUSTON	TX	77007
0401010000010	WASHINGTON CEMETERY	900 BRAZOS ST	HOUSTON	TX	77002	2911 WASHINGTON AVE	HOUSTON	TX	77007
0401030000011	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR	HOUSTON	TX	77007
0401030000014	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR @ STUDEMONT	HOUSTON	TX	77007
0401030000030	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR	HOUSTON	TX	77007
0401040000010	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL DR	HOUSTON	TX	77007
0401040000012	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MEMORIAL PKY	HOUSTON	TX	77007
0401050000002	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	3333 MEMORIAL DR	HOUSTON	TX	77007
0401050000034	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0	HOUSTON	TX	
0401200000007	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 CITY	HOUSTON	TX	77019
0401210000010	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 CITY	HOUSTON	TX	77019
0401210000011	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401220000014	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401220000015	MAGNOLIA CEMETERY CORPORATION OF HOU	1019 PRINCE ST	HOUSTON	TX	77008-6428	816 MONTROSE BLVD	HOUSTON	TX	77019
0401220000035	HARRIS COUNTY FLOOD CONTROL DISTRICT	9900 NORTHWEST FWY	HOUSTON	TX	77092-8601	0 ALLEN PKY	HOUSTON	TX	77019
0401220000041	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401230000013	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401230000025	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401230000028	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401230000034	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401230000036	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0401230000044	3201 ALLEN LP	714 YALE ST STE 2Z	HOUSTON	TX	77007-2978	3201 ALLEN PKY #396	HOUSTON	TX	77019
0442070000009	CURRENT OWNER	1010 WAUGH DR	HOUSTON	TX	77019	1010 WAUGH DR	HOUSTON	TX	77019
0442070000045	HOUSTON AREA WOMEN'S CENTER	1010 WAUGH DR	HOUSTON	TX	77019-3902	1112 WAUGH DR	HOUSTON	TX	77019

0442070000046	HOUSTON AREA WOMEN'S CENTER	1108 WAUGH DR	HOUSTON	TX	77019	91010 WAUGH DR	HOUSTON	TX	77019
0442070000047	CURRENT OWNER	1104 WAUGH DR	HOUSTON	TX	77019	1104 WAUGH DR	HOUSTON	TX	77019
0442100000007	GONZALEZ TEODORO	502 BOMAR ST	HOUSTON	TX	77006-1407	416 BOMAR ST	HOUSTON	TX	77006
0442100000008	GONZALES TEODORO	502 BOMAR ST	HOUSTON	TX	77006-1407	502 BOMAR ST	HOUSTON	TX	77006
0442100000013	GEACCONE DONALD RAY	9111 LARSTON ST	HOUSTON	TX	77055-6413	1805 CROCKER ST	HOUSTON	TX	77006
0442100000025	CICERCHIA JOSE P	1704 STANFORD ST	HOUSTON	TX	77006-1345	1704 STANFORD ST	HOUSTON	TX	77006
0442100000030	EYUBOGLU ABBAS S & MARY	1812 STANFORD ST	HOUSTON	TX	77006-1375	1812 STANFORD ST	HOUSTON	TX	77006
0442100000035	GAINES WENDY	1970 AUGUSTA DR	HOUSTON	TX	77057-3742	1814 STANFORD ST	HOUSTON	TX	77006
0442100000040	GEACCONE DONALD R	9111 LARSTON ST	HOUSTON	TX	77055-6413	1807 CROCKER ST	HOUSTON	TX	77006
0442100000045	LYONS WILLIAM P	720 BOMAR ST	HOUSTON	TX	77006-1316	720 BOMAR ST	HOUSTON	TX	77006
0442100000050	VELLEKOOP LIJDA	712 BOMAR ST	HOUSTON	TX	77006-1316	712 BOMAR ST	HOUSTON	TX	77006
0442100000066	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	700 BOMAR ST	HOUSTON	TX	77006
0512950000006	MUSEMECHE MARK D	1013 VAN BUREN ST	HOUSTON	TX	77019-4126	1013 VAN BUREN ST	HOUSTON	TX	77019
0512950000007	HOWARD MARK	1101 VAN BUREN ST	HOUSTON	TX	77019-4128	1101 VAN BUREN ST	HOUSTON	TX	77019
0512950000008	ABBOTT STACEY	1107 VAN BUREN ST	HOUSTON	TX	77019-4128	1107 VAN BUREN ST	HOUSTON	TX	77019
0512950000009	HOUSTON MUSEUM NTL SCIENCE	5555 HERMANN PARK DR	HOUSTON	TX	77030-1718	1115 VAN BUREN ST	HOUSTON	TX	77019
0512950000011	WISTUBA IGNACIO I	1202 MARCONI ST	HOUSTON	TX	77019-4210	1202 MARCONI ST	HOUSTON	TX	77019
0512950000015	GANUCHEAU THOMAS E & LISA M	1128 W CLAY ST	HOUSTON	TX	77019-4106	1128 W CLAY ST	HOUSTON	TX	77019
0512950000025	TORRES LUPE & ALBERTO	1102 MARCONI ST	HOUSTON	TX	77019-4208	1102 MARCONI ST	HOUSTON	TX	77019
0512950000032	WIEGAND ERIK R & ANNELISE A W	1209 VAN BUREN ST	HOUSTON	TX	77019-4130	1209 VAN BUREN ST	HOUSTON	TX	77019
0512950000033	COCHRAN LES & BARBARA G	1211 VAN BUREN ST	HOUSTON	TX	77019-4130	1211 VAN BUREN ST	HOUSTON	TX	77019
0512950000034	MCGINLEY MATTHEW JAMES	1215 VAN BUREN ST	HOUSTON	TX	77019-4130	1215 VAN BUREN ST	HOUSTON	TX	77019
0512950000035	SLEZAK ANDREW J	1217 VAN BUREN ST	HOUSTON	TX	77019-4130	1217 VAN BUREN ST	HOUSTON	TX	77019
0512950000036	ERNST CHARLES B & RACHEL M	1219 VAN BUREN ST	HOUSTON	TX	77019-4130	1219 VAN BUREN ST	HOUSTON	TX	77019
0512950000037	TRAN GIA VINH &	1221 VAN BUREN ST	HOUSTON	TX	77019-4130	1221 VAN BUREN ST	HOUSTON	TX	77019
0512950000038	PERRY MATTHEW & WAHEEDA	1225 VAN BUREN ST	HOUSTON	TX	77019-4130	1225 VAN BUREN ST	HOUSTON	TX	77019
0512950000039	BARBER SALLY A	1229 VAN BUREN ST	HOUSTON	TX	77019-4130	1229 VAN BUREN ST	HOUSTON	TX	77019
0512950000040	PARIANI HARISH K	1144 W CLAY ST	HOUSTON	TX	77019-4106	1144 W CLAY ST	HOUSTON	TX	77019
0512950000041	KING MICHAEL S	1136 W CLAY ST	HOUSTON	TX	77019-4106	1136 W CLAY ST	HOUSTON	TX	77019
0512950000042	CAVAZOS M HELEN	1124 W CLAY ST	HOUSTON	TX	77019-4106	1124 W CLAY ST	HOUSTON	TX	77019
0512950000043	YATES ABIGAIL K	1114 W CLAY ST	HOUSTON	TX	77019-4106	1114 W CLAY ST	HOUSTON	TX	77019
0512950000044	GEHRING DONALD H & FIONA G	1234 MARCONI ST	HOUSTON	TX	77019-4210	1234 MARCONI ST	HOUSTON	TX	77019
0512950000045	RUNJE ZELJKO	1230 MARCONI ST	HOUSTON	TX	77019-4210	1230 MARCONI ST	HOUSTON	TX	77019
0512950000046	WILLIAMS RICHARD & MARQUETTE	1226 MARCONI ST	HOUSTON	TX	77019-4210	1226 MARCONI ST	HOUSTON	TX	77019

0512950000047	BAILEY TERRY & DEWY	1222 MARCONI ST	HOUSTON	TX	77019-4210	1222 MARCONI ST	HOUSTON	TX	77019
0512950000048	DE LA MORENO DAGOBERTO JR &	1218 MARCONI ST	HOUSTON	TX	77019-4210	1218 MARCONI ST	HOUSTON	TX	77019
0512950000049	CURRENT OWNER	1214 MARCONI ST	HOUSTON	TX	77019-4210	1214 MARCONI ST	HOUSTON	TX	77019
0512950000050	THOMPSON CHRISTOPHER	1210 MARCONI ST	HOUSTON	TX	77019-4210	1210 MARCONI ST	HOUSTON	TX	77019
0512950000051	VARGAS ALONSO R & SUSANNA J	1207 VAN BUREN ST	HOUSTON	TX	77019-4130	1207 VAN BUREN ST	HOUSTON	TX	77019
0512950000052	MURPHY EDWARD C	9211 MARLIVE LN	HOUSTON	TX	77025-4224	1206 MARCONI ST	HOUSTON	TX	77019
0512950000053	WHITE LEESA M	1130 W CLAY ST	HOUSTON	TX	77019-4106	1130 W CLAY ST	HOUSTON	TX	77019
0512960000009	TRIBECA LOFTS LP	1210 W CLAY ST	HOUSTON	TX	77019-4175	1210 W CLAY ST 25	HOUSTON	TX	77019
0512970000001	NINOS RESTAURANT & BAR INC	11212 WILDING LN	HOUSTON	TX	77024-5308	0 EBERHARD AVE	HOUSTON	TX	77019
0512970000005	MANDOLA VINCENT A	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	1100 EBERHARD ST	HOUSTON	TX	77019
0512970000006	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	0 EBERHARD ST	HOUSTON	TX	77019
0512970000007	HARLOW DISTRICT LLC	2429 BISSONNET STE STE 615	HOUSTON	TX	77005-1451	0 EBERHARD ST	HOUSTON	TX	77019
0512970000008	HARLOW DISTRICT LLC	2429 BISSONNET STE STE 615	HOUSTON	TX	77005-1451	0 EBERHARD ST	HOUSTON	TX	77019
0512970000009	MANDOLA VINCENT A	2429 BISSONNET STE STE 615	HOUSTON	TX	77005-1451	0 EBERHARD ST	HOUSTON	TX	77019
0512970000011	MIDTOWN URBAN DEVELOPMENT LLC	1415 NORTH LOOP W STE 805	HOUSTON	TX	77008-1683	1216 W CLAY ST	HOUSTON	TX	77019
0512980040014	HARLOW DISTRICT LLC	2429 BISSONNET STE STE 615	HOUSTON	TX	77005-1451	1220 W CLAY ST	HOUSTON	TX	77019
0512980040015	BARKO JOSEPHINE F CARONNA	1242 W CLAY ST	HOUSTON	TX	77019-4108	1226 W CLAY ST	HOUSTON	TX	77019
0512980040016	MANDOLA 2012 FAMILY TRUST	2429 BISSONNET STE STE 615	HOUSTON	TX	77005-1451	1205 LA RUE ST	HOUSTON	TX	77019
0512980040017	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	1203 LA RUE ST	HOUSTON	TX	77019
0512980040018	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	1201 LA RUE ST	HOUSTON	TX	77019
0512980040019	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	1111 LA RUE ST	HOUSTON	TX	77019
0512980040021	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	1105 LA RUE ST	HOUSTON	TX	77019
0512980040022	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	1101 LA RUE ST	HOUSTON	TX	77019
0512980040023	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	1015 LA RUE ST	HOUSTON	TX	77019
0512980040024	HARLOWS DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	2817 W DALLAS ST	HOUSTON	TX	77019
0512980050009	BRILO LLC	15165 KIMBERLEY CT	HOUSTON	TX	77079-5131	1202 LA RUE ST #6	HOUSTON	TX	77019
0512980050011	MANDOLA LENA A	7020 BLANDFORD LN	HOUSTON	TX	77055-7649	1210 LA RUE ST	HOUSTON	TX	77019
0512980050012	BARKO-CARONNA JOSEPHINE FRANCES	1216 LARUE ST	HOUSTON	TX	77019-4125	1216 LA RUE ST	HOUSTON	TX	77019
0521530000001	TEXAS ART SUPPLY	15 GREENWAY PLAZA STE 6G	HOUSTON	TX	77046-1503	2001 MONTROSE BLVD	HOUSTON	TX	77006
0521550010006	ELMORE JERRY	9225 KATY FWY STE 250	HOUSTON	TX	77024-1564	1409 MONTROSE BLVD	HOUSTON	TX	77019
0521550020005	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 MONTROSE BLVD	HOUSTON	TX	77019
0522990000006	RABITO VENTURE LTD	805 RHODE PL STE 300	HOUSTON	TX	77019-2719	1718 DALLAS ST	HOUSTON	TX	77019
0522990000013	1712 WD LLC	1843 POST OAK PARK DR #1843 C	HOUSTON	TX	77027-3303	1712 W DALLAS ST	HOUSTON	TX	77019
0522990000019	1712 WD LLC	1843 POST OAK PARK DR #1843 C	HOUSTON	TX	77027-3303	37 ROBITA ST	HOUSTON	TX	77019

0523550000004	FORTUNES PLAYSGROUND LLC	1355 W GRAY ST	HOUSTON	TX	77019-4019	1355 W GRAY ST	HOUSTON	TX	77019
0523550000008	D SQUARED REAL ESTATE LLC	1335 WEST GRAY SUITE 399	HOUSTON	TX	77019-4470	1323 W GRAY ST	HOUSTON	TX	77019
0523550000013	GERMINALE STEFANO	1606 HAZEL ST	HOUSTON	TX	77006-1108	1606 HAZEL ST	HOUSTON	TX	77006
0523550000016	GEE AURORA P	1308 PEDEN ST	HOUSTON	TX	77006-1124	1308 PEDEN ST	HOUSTON	TX	77006
0523550000017	LENZ DORENE	1310 PEDEN ST	HOUSTON	TX	77006-1124	1310 PEDEN ST	HOUSTON	TX	77006
0523550000019	HANFORD RYAN & CLAUDIA	1314 PEDEN ST	HOUSTON	TX	77006-1124	1314 PEDEN ST	HOUSTON	TX	77006
0523550000021	GRIMES PEARSON III & ELLEN	1318 PEDEN ST APT A	HOUSTON	TX	77006-1124	1318 PEDEN ST	HOUSTON	TX	77006
0523550000025	LASKOSKY KELLY E	1318 PEDEN ST UNIT B	HOUSTON	TX	77006-1124	1318 PEDEN ST	HOUSTON	TX	77006
0523550000026	HESSE CATHERINE J	1318 PEDEN ST APT D	HOUSTON	TX	77006-1124	1318 PEDEN ST	HOUSTON	TX	77006
0523550000027	JANECKA CHARLES	1318 PEDEN ST APT C	HOUSTON	TX	77006-1124	1318 PEDEN ST	HOUSTON	TX	77006
0523550000029	DAVIDSON JILLIAN JORDAN	1316A PEDEN ST	HOUSTON	TX	77006-1124	1316 PEDEN ST	HOUSTON	TX	77006
0523550000030	FELDMAN MITCH J	1316 PEDEN ST APT B	HOUSTON	TX	77006-1124	1316 PEDEN ST	HOUSTON	TX	77006
0523550000031	SMITH CLARINDA L	1316 PEDEN ST # C	HOUSTON	TX	77006-1124	1316 PEDEN ST	HOUSTON	TX	77006
0523550000032	TURK EROL & BENITA	1602 HAZEL ST	HOUSTON	TX	77006-1108	1602 HAZEL ST	HOUSTON	TX	77006
0523550000033	CURRENT OWNER	2450 LOUISIANA ST STE 400-327	HOUSTON	TX	77006-2380	1610 HAZEL ST	HOUSTON	TX	77006
0523570000014	ALLIED AMERICAN BANK	PO BOX 63931	SAN FRANCISC	CA	94163-0001	1500 WAUGH DR	HOUSTON	CA	77019
0523580000014	CARRABBA MINNETTE	104 GLENWOOD DR	HOUSTON	TX	77007-7011	1302 W GRAY ST	HOUSTON	TX	77019
0523580000015	CARRABBA MINNETTE	104 GLENWOOD DR	HOUSTON	TX	77007-7011	1308 W GRAY ST	HOUSTON	TX	77019
0523590000001	WAUGH HOLDINGS LLC	211 TERRACE DR	HOUSTON	TX	77007-5044	1415 WAUGH DR	HOUSTON	TX	77019
0523590000002	GIBSON CHRISTON ANNE	1816 CALUMET ST APT 2	HOUSTON	TX	77004-7204	1338 W PIERCE ST	HOUSTON	TX	77019
0523590000003	DADABHOY AZAM	15327 TYSOR PARK LN	HOUSTON	TX	77095-2187	1405 WAUGH DR	HOUSTON	TX	77019
0523590000004	MONTROSE CLIII I LTD	3815 MONTROSE BLVD STE 211	HOUSTON	TX	77006-4666	1401 WAUGH DR 4	HOUSTON	TX	77019
0523590000005	RILEY DAN	823 RUTLAND ST	HOUSTON	TX	77007-1529	1334 PIERCE ST	HOUSTON	TX	77019
0523590000006	ARGUELLO NORMAN ESTATE OF	P O BOX 144	BACLIFF	TX	77518-0144	1330 W PIERCE ST	HOUSTON	TX	77019
0523590000007	KZM REALTY INVESTMENTS LLC	5230 MEADOW LANDING LN	SUGAR LAND	TX	77479-4293	1326 PIERCE ST	HOUSTON	TX	77019
0523590000008	1322 W PIERCE LLC	7155 OLD KATY RD STE N260	HOUSTON	TX	77024-2257	1322 W PIERCE ST	HOUSTON	TX	77019
0523590000009	BIG STAR PROPERTIES LLC	PO BOX 8525	SPRING	TX	77387-8525	1320 W PIERCE ST #4	HOUSTON	TX	77019
0523590000010	ROSENBERG LAWRENCE & MARY	1316 W PIERCE ST	HOUSTON	TX	77019-4002	1316 W PIERCE ST	HOUSTON	TX	77019
0523590000012	YABAR CESAR F & MAGGIE M	14 BERRY BLOSSOM DR	SPRING	TX	77380-3388	1308 W PIERCE ST	HOUSTON	TX	77019
0523590000013	SASSY REAL ESTATE	4919 JASON ST	HOUSTON	TX	77096-2717	1302 W PIERCE ST	HOUSTON	TX	77019
0523590000014	LITTLEPAGE 006 HOLDINGS LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	1301 W BELL ST 4	HOUSTON	TX	77019
0523590000018	RENDON AURELIA	6604 COMMUNITY DR	HOUSTON	TX	77005-3540	1319 W BELL ST	HOUSTON	TX	77019
0523590000020	ABDULLATIF OSAMA A	647 ELECTRA DR	HOUSTON	TX	77079-6131	1327 W BELL ST	HOUSTON	TX	77019
0523590000021	315 W CLAY FLATS LLC	647 ELECTRA	HOUSTON	TX	77079-6131	1331 W BELL ST	HOUSTON	TX	77019

0523590000023	BELL LARRY A	1339 W BELL ST	HOUSTON	TX	77019-4035	1339 W BELL ST 6	HOUSTON	TX	77019
0523590000024	ROSAS ROGER T &	1306 W PIERCE ST	HOUSTON	TX	77019-4002	1306 W PIERCE ST	HOUSTON	TX	77019
0523590010001	DOROUDIAN GOLNAR	1307 W BELL ST	HOUSTON	TX	77019-4022	1307 W BELL ST	HOUSTON	TX	77019
0523590010002	BREWSTER ABENAA MARCIA	1309 W BELL ST	HOUSTON	TX	77019-4022	1309 W BELL ST	HOUSTON	TX	77019
0523610000009	1302 WAUGH LLC	1405 W CLAY ST	HOUSTON	TX	77019-4911	1302 WAUGH DR	HOUSTON	TX	77019
0523610000011	HA THI VAN	1417 W CLAY ST	HOUSTON	TX	77019-4911	1417 W CLAY ST	HOUSTON	TX	77019
0523610000013	PARNIAN DIANA M & AMIN	1415 W CLAY ST	HOUSTON	TX	77019-4911	1415 W CLAY ST	HOUSTON	TX	77019
0523610000014	GANNAVARAPU CHANDRASEKHAR	1421 W CLAY ST	HOUSTON	TX	77019-4911	1421 W CLAY ST	HOUSTON	TX	77019
0523610000015	EIKENBURG ELIZABETH M	1419 W CLAY ST	HOUSTON	TX	77019-4911	1419 W CLAY ST	HOUSTON	TX	77019
0523620080001	INVESTORS 1315 WAUGH LLC	2398 E CAMELBACK RD STE 110	PHOENIX	AZ	85016-9099	1315 WAUGH DR	HOUSTON	TX	77019
0523620080002	INVESTORS 1315 WAUGH LLC	2398 E CAMELBACK RD STE 110	PHOENIX	AZ	85016-9099	1311 WAUGH DR	HOUSTON	TX	77019
0523620080003	DELOACHE RHONDA K	1305 WAUGH DR	HOUSTON	TX	77019-3907	1305 WAUGH DR	HOUSTON	TX	77019
0523620080004	TRAN DUY HOLDINGS LTD	1301 WAUGH DR STE 200	HOUSTON	TX	77019-3929	1301 WAUGH DR	HOUSTON	TX	77019
0523620090003	CLARY JOHN A &	1310 W BELL ST	HOUSTON	TX	77019-4021	1310 W BELL ST	HOUSTON	TX	77019
0523620090004	TABOR JEFFREY J	1308 W BELL ST	HOUSTON	TX	77019-4021	1308 W BELL ST	HOUSTON	TX	77019
0523620090005	CONLON RYAN	1302 W BELL ST	HOUSTON	TX	77019-4030	1302 W BELL ST	HOUSTON	TX	77019
0523620090006	JAM XII LLC	1202 WYNDEN CREEK DR	Houston	TX	77056-2532	1307 W CLAY ST	HOUSTON	TX	77019
0523620090007	JAM XII LLC	1202 WYNDEN CREEK DR	Houston	TX	77056-2532	1307 W CLAY ST	HOUSTON	TX	77019
0523620090008	JAM XII LLC	1202 WYNDEN CREEK DR	Houston	TX	77056-2532	1315 W CLAY ST	HOUSTON	TX	77019
0523620090012	ZIPPRICH JOHN L	2219 DICKEY PL	HOUSTON	TX	77019-6301	1328 W BELL ST	HOUSTON	TX	77019
0523620090013	1332 W BELL PROPERTY LLC	2047 SUL ROSS STE STE 5	HOUSTON	TX	77098-2557	1332 W BELL ST #4	HOUSTON	TX	77019
0523620090014	POSA LLC	814 SKIMMER CT	SUGAR LAND	TX	77478-4711	1336 W BELL ST	HOUSTON	TX	77019
0523620090015	VOELKER BRIAN	1340 W BELL ST	HOUSTON	TX	77019-4021	1340 W BELL ST	HOUSTON	TX	77019
0523620090020	JAM XII LLC	1202 WYNDEN CREEK DR	Houston	TX	77056-2532	1311 W CLAY ST	HOUSTON	TX	77019
0523620100001	ZEBIAN FIRAS M	919A ASHLAND	HOUSTON	TX	77008-6733	1220 WAUGH DR 4	HOUSTON	TX	77019
0523620100010	ZEBIAN FIRAS M & ALLSION	919A ASHLAND	HOUSTON	TX	77008-6733	1410 W CLAY ST 4	HOUSTON	TX	77019
0523620110001	FLAUM MARK E & ETUX	1316 W BELL ST	HOUSTON	TX	77019-4021	1316 W BELL ST	HOUSTON	TX	77019
0523620110002	ABADIE PATRICK W	1314 W BELL ST	HOUSTON	TX	77019-4021	1314 W BELL ST	HOUSTON	TX	77019
0523630000001	ESKANDARY AFSANEH	730 VOSS RD	HOUSTON	TX	77024-5429	1226 W GRAY ST 4	HOUSTON	TX	77019
0523630000002	PIERCE AMPHON	1232 W GRAY ST	HOUSTON	TX	77019-4182	1232 W GRAY ST	HOUSTON	TX	77019
0523630000003	WEST JOHN D	2305 SAN FELIPE ST	HOUSTON	TX	77019-3401	1236 W GRAY ST	HOUSTON	TX	77019
0523630000004	QUINDOMAIN LTD	PO BOX 2871	BELLAIRE	TX	77402-2871	1240 W GRAY ST	HOUSTON	TX	77019
0523630000005	QUINDOMAIN LTD	PO BOX 2871	BELLAIRE	TX	77402-2871	1244 W GRAY ST	HOUSTON	TX	77019
0523630000007	ELLOWAY PETER C	5380 W 34TH ST UNIT 109	HOUSTON	TX	77092	1245 W PIERCE ST	HOUSTON	TX	77019

0523630000009	MASTERS CHRISTOPHER T & ELIZABETH A	1239 W PIERCE ST	HOUSTON	TX	77019-4184	1239 W PIERCE ST	HOUSTON	TX	77019
0523630000013	SIMMONS LARRY J	1241 W PIERCE ST	HOUSTON	TX	77019-4184	1241 W PIERCE ST	HOUSTON	TX	77019
0523640000001	DETHLI LAND LLC	11623 WESTMOOD DR	RICHMOND	TX	77407-2991	1226 W PIERCE ST #6	HOUSTON	TX	77019
0523640000002	HARWIN BINTLIFF CENTER INC	5007 MEADOW LANDING CT	SUGAR LAND	TX	77479-4292	1230 W PIERCE ST	HOUSTON	TX	77019
0523640000005	BAIN JERROD L & KATHERINE C	1240 W PIERCE ST	HOUSTON	TX	77019-4183	1240 W PIERCE ST #4	HOUSTON	TX	77019
0523640000011	CURRENT OWNER	1229 W BELL ST	HOUSTON	TX	77019-4186	1229 W BELL ST	HOUSTON	TX	77019
0523640000020	KURITZA PAUL R & DEBORAH J	1241 W BELL ST	HOUSTON	TX	77019-4186	1241 W BELL ST 2	HOUSTON	TX	77019
0523650000004	BETTINGEN WILLIAM J IV	1236 W BELL ST	HOUSTON	TX	77019-4198	1236 W BELL ST #4	HOUSTON	TX	77019
0523650000006	LI WEIHONG WENDY	3807 BENDING KEY CT	SUGAR LAND	TX	77479-3872	1248 W BELL ST 4	HOUSTON	TX	77019
0523650000007	MANOLOPOULOS RODAMA	1235 W CLAY ST	HOUSTON	TX	77019-4107	1235 W CLAY ST	HOUSTON	TX	77019
0523650000009	1227 W CLAY LLC	7155 OLD KATY ROAD STE N 260	HOUSTON	TX	77024-2257	1227 W CLAY ST	HOUSTON	TX	77019
0523650000010	SCHWIETERMAN DANIEL	2021 W 14TH ST	HOUSTON	TX	77008-3411	1223 W CLAY ST	HOUSTON	TX	77019
0523650000015	STEWART MARLON A	1222 W BELL ST	Houston	TX	77019-4153	1222 W BELL ST #4	HOUSTON	TX	77019
0523650000017	DIROT MONTROSE LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	1231 W CLAY ST	HOUSTON	TX	77019
0523660000001	CAVARRETTA ISADORE L & DONNA	575 COUNTY ROAD 2255	CLEVELAND	TX	77327-0589	1122 W BELL ST	HOUSTON	TX	77019
0523660000003	1138 W BELL LLC	7155 OLD KATY RD STE N260	HOUSTON	TX	77024-2257	1138 W BELL ST	HOUSTON	TX	77019
0523660000004	CAVARRETTA ISADORE & DONNA	575 COUNTY ROAD 2255	CLEVELAND	TX	77327-0589	1140 W BELL ST	HOUSTON	TX	77019
0523660000006	BALLARD EXPLORATION CO INC	1202 W BELL ST	HOUSTON	TX	77019-4104	1202 W BELL ST	HOUSTON	TX	77019
0523660000007	LAMBDA CENTER	1201 W CLAY ST	HOUSTON	TX	77019-4107	1201 W CLAY ST	HOUSTON	TX	77019
0523660000013	CURRENT OWNER	5303 CHEROKEE ST	HOUSTON	TX	77005-1701	1209 W CLAY ST	HOUSTON	TX	77019
0523660000016	ROSEMONT HEIGHTS PROPERTIES LLC	4805 WESTWAY PARK BLVD	HOUSTON	TX	77041-2003	1139 W CLAY ST	HOUSTON	TX	77019
0523660000018	MARSHALL KENT D	1129 W CLAY ST	HOUSTON	TX	77019-4144	1127 W CLAY ST	HOUSTON	TX	77019
0523660000020	NGO JOSEPH CHAU-MINH	1125 W CLAY ST	HOUSTON	TX	77019-4144	1125 W CLAY ST 5	HOUSTON	TX	77019
0523660000021	JAIRALA JUNIPER C	1220 W BELL ST	HOUSTON	TX	77019-4104	1220 W BELL ST	HOUSTON	TX	77019
0523660000022	CURRENT OWNER	1218A W BELL ST	HOUSTON	TX	77019-4104	1218 W BELL ST A	HOUSTON	TX	77019
0523660000023	FARNOS MARIA MONTSERRAT MONTSERRAT R	1218 W BELL ST UNIT B	HOUSTON	TX	77019-4104	1218 W BELL ST B	HOUSTON	TX	77019
0523660000024	MELTON GREG	1317 EBERHARD ST	HOUSTON	TX	77019-4118	1317 EBERHARD ST	HOUSTON	TX	77019
0523670000002	GEM BUILDING GROUP LLC	1415 S VOSS # 110 105	HOUSTON	TX	77057	1128 PIERCE ST	HOUSTON	TX	77019
0523670000003	N MONTROSE PROPERTIES LLC	2715 CASON ST	HOUSTON	TX	77005-3935	1130 W PIERCE ST	HOUSTON	TX	77019
0523670000004	CURRENT OWNER	2300 RICHMOND AVE	HOUSTON	TX	77098-3259	1136 W PIERCE ST	HOUSTON	TX	77019
0523670000006	HUGHES DANIEL S & RACHEL D	4117 CRESCENT ST APT 11A	LONG ISLAND	NY	11101-3863	1204 W PIERCE ST	HOUSTON	TX	77019
0523670000007	LINER ROBERT S & WEST TERRY L	1208 W PIERCE ST	HOUSTON	TX	77019-4146	1208 W PIERCE ST	HOUSTON	TX	77019
0523670000012	VOLPE THOMAS & AMPARO	1219 W BELL ST	HOUSTON	TX	77019-4103	1219 W BELL ST	HOUSTON	TX	77019
0523670000014	SHELADIA SANDHYA	2018 MORSE ST	HOUSTON	TX	77019-6115	1211 W BELL ST	HOUSTON	TX	77019

0523670000015	BUCK DAVID S	1203 W BELL ST	HOUSTON	TX	77019-4103	1203 W BELL ST	HOUSTON	TX	77019
0523670000017	CURRENT OWNER	PO BOX 19576	SUGAR LAND	TX	77496-9576	1137 W BELL ST	HOUSTON	TX	77019
0523680000001	KOSTERS QIN C4477004 LLC	4801 SPURCE ST	BELLAIRE	TX	77401-4024	1122 W GRAY ST	HOUSTON	TX	77019
0523680000002	GOL ROBERT	101 BROAD OAKS CIR	HOUSTON	TX	77056-1213	1126 W GRAY ST 2	HOUSTON	TX	77019
0523680000003	SEIFRIED LARRY	1132 W GRAY ST	Houston	TX	77019-4176	1132 W GRAY ST	HOUSTON	TX	77019
0523680000004	PIZZITOLA ANTHONY FRANK	3838 N BRAESWOOD BLVD APT 412	HOUSTON	TX	77025-3052	1138 GRAY ST	HOUSTON	TX	77019
0523680000005	ORNELAS DAVID STEVEN	1202 W GRAY ST	HOUSTON	TX	77019-4192	1202 W GRAY ST 4	HOUSTON	TX	77019
0523680000006	MORTENG ENTERPRISES LLC	1714 PRISM LN	HOUSTON	TX	77043-3344	1204 W GRAY ST	HOUSTON	TX	77019
0523680000007	BADDERS JEFF B	1208 W GRAY ST	HOUSTON	TX	77019-4135	1208 W GRAY ST	HOUSTON	TX	77019
0523680000008	NASSERY FARAH	7115 VILLA DR	HOUSTON	TX	77061-2753	1212 W GRAY ST	HOUSTON	TX	77019
0523680000009	BARNSTONE GEORGE	1752 HAROLD ST	HOUSTON	TX	77098-1602	1216 W GRAY ST	HOUSTON	TX	77019
0523680000010	AZAR-FARR SIMON	2313 N FLORES ST	SAN ANTONIC	TX	78212-3817	1220 W GRAY ST	HOUSTON	TX	77019
0523680000012	BANG SUZANNE	1215 W PIERCE ST	HOUSTON	TX	77019-4145	1215 W PIERCE ST	HOUSTON	TX	77019
0523680000013	JENSEN JIM	1209 W PIERCE ST	HOUSTON	TX	77019-4145	1209 W PIERCE ST	HOUSTON	TX	77019
0523680000014	MARALDO CHRISTOPHER M	1207 W PIERCE ST	HOUSTON	TX	77019-4145	1207 W PIERCE ST	HOUSTON	TX	77019
0523680000015	TRISTRAM LAWTHER 1992 TRUST	PO BOX 430	DEER PARK	TX	77536-0430	1205 W PIERCE ST	HOUSTON	TX	77019
0523680000018	GIVENS SARAH J	1129 W PIERCE ST	HOUSTON	TX	77019-4137	1129 W PIERCE ST	HOUSTON	TX	77019
0523680000020	TSO KIN	1121 W PIERCE ST	HOUSTON	TX	77019-4137	1121 W PIERCE ST	HOUSTON	TX	77019
0523680000021	VAN MICHAEL & SHERRY	1141 W PIERCE ST	HOUSTON	TX	77019	1141 W PIERCE ST	HOUSTON	TX	77019
0523680000022	ANNETTE H R BAKER FAMILY TRUST	1133 W PIERCE ST	HOUSTON	TX	77019-4137	1133 W PIERCE ST	HOUSTON	TX	77019
0523690000003	KIRKPARTICK KATHERINE F	1212 PEDEN ST	HOUSTON	TX	77006-1131	1212 PEDEN ST	HOUSTON	TX	77006
0523690000007	ALFARO BERTA	1228 PEDEN ST	HOUSTON	TX	77006-1131	1228 PEDEN ST	HOUSTON	TX	77006
0523690000008	ALFREDO ALFARO	1232 PEDEN ST	HOUSTON	TX	77006-1131	1232 PEDEN ST	HOUSTON	TX	77006
0523690000009	CREATIVE RESTORATION	1003 MISSOURI ST	HOUSTON	TX	77006-2839	1238 PEDEN ST 4	HOUSTON	TX	77006
0523690000010	LUTOMSKI MICHAEL G	217 5TH PL	MANHATTAN	CA	90266-5729	1240 PEDEN ST	HOUSTON	TX	77006
0523690000011	OUDINOT CEDRIC & ANNE	4122 MARLOWE ST	HOUSTON	TX	77005-1954	1244 PEDEN ST	HOUSTON	TX	77006
0523690000012	ZWEBACK FRANKLIN E	1246 PEDEN ST UNIT 2	HOUSTON	TX	77006-1143	1246 PEDEN ST	HOUSTON	TX	77006
0523690000014	SHASKEVICH ALEXANDER MARK ASH INDEPENI	1251 W GRAY ST	HOUSTON	TX	77019-4134	1251 W GRAY ST	HOUSTON	TX	77019
0523690000015	BURKE RODGER W	1247 W GRAY ST	HOUSTON	TX	77019-4134	1247 W GRAY ST	HOUSTON	TX	77019
0523690000016	NASSIZADEH ALA	1239 W GRAY ST	HOUSTON	TX	77019-4134	1239 W GRAY ST	HOUSTON	TX	77019
0523690000017	WADDELL CHERYL	1237 W GRAY ST	HOUSTON	TX	77019-4134	1237 W GRAY ST	HOUSTON	TX	77019
0523690000018	PENICK MICHAEL JAMES	PO BOX 667201	HOUSTON	TX	77266-7201	1235 W GRAY ST 4	HOUSTON	TX	77019
0523690000019	GEORGE DOUGLAS	PO BOX 131764	HOUSTON	TX	77219-1764	1231 W GRAY ST	HOUSTON	TX	77019
0523690000020	SOMMERFIELD LAWRENCE W	1229 W GRAY	HOUSTON	TX	77019-4134	1229 W GRAY ST	HOUSTON	TX	77019

0523690000022	OLIVA ALVARO & ISABELLA	106 COVE CREEK LN	HOUSTON	TX	77042-1020	1219 W GRAY ST 4	HOUSTON	TX	77019
0523690000023	OLIVA ALVARO & ISABELLA	106 COVE CREEK LN	HOUSTON	TX	77042-1020	1215 W GRAY ST 4	HOUSTON	TX	77019
0523690000024	HLLW LLC	3807 BENDING KEY CT	SUGAR LAND	TX	77479-3872	1211 W GRAY ST 4	HOUSTON	TX	77019
0523690000025	OUDINOT CEDRIC & ANNE	1207 W GRAY ST	HOUSTON	TX	77019-4165	1207 W GRAY ST	HOUSTON	TX	77019
0523690000026	RATHORE MITHUN	719 WILLARD ST	HOUSTON	TX	77006-1348	1201 W GRAY ST 4	HOUSTON	TX	77019
0523690000036	MEADORS JARED L	PO BOX 541842	HOUSTON	TX	77254-1842	1223 W GRAY ST	HOUSTON	TX	77019
0523690000037	WESTBROOK TERRY B & PATRICIA M	1624 VAN BUREN ST	HOUSTON	TX	77006-1228	1624 VAN BUREN ST	HOUSTON	TX	77006
0523690000038	RENSHAW JOHN R &	1626 VAN BUREN ST	HOUSTON	TX	77006-1228	1626 VAN BUREN ST	HOUSTON	TX	77006
0523690000039	HARRISON CASSIE	1628 VAN BUREN ST	HOUSTON	TX	77006-1228	1628 VAN BUREN ST	HOUSTON	TX	77006
0523690000040	AUGER PETER D & PAULA D	1630 VAN BUREN ST	HOUSTON	TX	77006-1228	1630 VAN BUREN ST	HOUSTON	TX	77006
0523690010001	SANDOVAL HECTOR & REBECA	1220 PEDEN ST	HOUSTON	TX	77006-1131	1220 PEDEN ST	HOUSTON	TX	77006
0523690010002	JOHNSON TIMOTHY LOUIS	1218 PEDEN ST	HOUSTON	TX	77006-1131	1218 PEDEN ST	HOUSTON	TX	77006
0523700000003	DELPHIN CHRISTOPHER E	1211 PEDEN ST	HOUSTON	TX	77006-1130	1211 PEDEN ST	HOUSTON	TX	77006
0523700000004	BRAVERMAN ALVIN M & MICHELLE B	1215 PEDEN ST	HOUSTON	TX	77006-1130	1215 PEDEN ST	HOUSTON	TX	77006
0523700000007	FORD IVY EVETT	3931 TEAL RUN PLACE CT	FRESNO	TX	77545-7050	1227 PEDEN ST 4	HOUSTON	TX	77006
0523700000008	CURRENT OWNER	3 CONCORD CIR	HOUSTON	TX	77024-6309	1231 PEDEN ST	HOUSTON	TX	77006
0523700000009	CASINO EMMANUEL L	1235 PEDEN ST	HOUSTON	TX	77006-1188	1235 PEDEN ST	HOUSTON	TX	77006
0523710000005	ROSEMONT PEDEN LLC	18614 MOUNTAIN SPRING DR	SPRING	TX	77379-5511	1109 PEDEN ST	HOUSTON	TX	77006
0523710000008	N MONTROSE PROPERTIES LLC	1117 PEDEN ST	HOUSTON	TX	77006-1225	1115 PEDEN ST	HOUSTON	TX	77006
0523710000009	HUEGEL ROBERT L	1117 PEDEN ST	HOUSTON	TX	77006-1225	1117 PEDEN ST	HOUSTON	TX	77006
0523720000002	HUGGINS MICHALK LTD	PO BOX 388	THORNDALE	TX	76577-0388	1616 MONTROSE BLVD	HOUSTON	TX	77006
0523720000003	HUGGINS MICHALK LTD	PO BOX 388	THORNDALE	TX	76577-0388	1104 PEDEN ST	HOUSTON	TX	77006
0523720000004	HUGGINS MICHALK LTD	PO BOX 388	THORNDALE	TX	76577-0388	0 PEDEN	HOUSTON	TX	77006
0523720000006	ZWEBACK STANLEY & DIANNE B	1110 PEDEN ST	HOUSTON	TX	77006-1226	1110 PEDEN ST	HOUSTON	TX	77006
0523720000007	SCHAPER ANDREW	1208 WELCH ST	HOUSTON	TX	77006-1133	1112 PEDEN ST	HOUSTON	TX	77006
0523720000008	GAGNE THOMAS C &	1114 PEDEN ST	HOUSTON	TX	77006-1226	1114 PEDEN ST	HOUSTON	TX	77006
0523720000010	COUGAR GATE INVESTMENTS LLC	2248 WELCH ST	HOUSTON	TX	77019-5618	1135 GRAY ST 5	HOUSTON	TX	77019
0523720000011	FANG LIVING TRUST	4771 SWEETWATER BLVD # 238	SUGAR LAND	TX	77479-3121	1133 GRAY ST	HOUSTON	TX	77019
0523720000012	GERMINALE STEFANO	1606 HAZEL ST	HOUSTON	TX	77006-1108	1129 W GRAY ST	HOUSTON	TX	77019
0523720000013	VAUGHAN SHELTON M	6127 BRIAR ROSE DR	HOUSTON	TX	77057-3501	1125 W GRAY ST	HOUSTON	TX	77019
0523720000015	HUGGINS MICHALK LTD	PO BOX 388	THORNDALE	TX	76577-0388	1117 W GRAY ST	HOUSTON	TX	77019
0523720000016	BUN GINA	1103 W GRAY ST	HOUSTON	TX	77019-4132	1103 W GRAY ST	HOUSTON	TX	77019
0523720000019	BURWELL BENJAMIN A	1111 W GRAY ST	HOUSTON	TX	77019-4132	1111 GRAY ST	HOUSTON	TX	77019
0523720000020	BOWMAN RICHARD	PO BOX 130347	HOUSTON	TX	77219-0347	1121 W GRAY ST	HOUSTON	TX	77006

0523720000021	NAIR SHALOO & ASHOK	1123 W GRAY ST	HOUSTON	TX	77019-4132	1123 W GRAY ST	HOUSTON	TX	77019
0523730000001	SABO DAWN C	PO BOX 1313	KETCHUM	ID	83340-1300	1014 PEDEN ST	HOUSTON	ID	77006
0523730000002	KRESPAN PETER J JR	1016 PEDEN ST	HOUSTON	TX	77006-1341	1016 PEDEN ST	HOUSTON	TX	77006
0523730000003	GONZALEZ RAYMOND M	1018 PEDEN ST	HOUSTON	TX	77006-1341	1018 PEDEN ST	HOUSTON	TX	77006
0523730000004	JEFFRIES FRANCES K	922 OMAR ST	HOUSTON	TX	77009-6533	1020 PEDEN ST	HOUSTON	TX	77006
0523730000012	HUDMAN ADRIAN L JR	1012 PEDEN ST	HOUSTON	TX	77006-1341	1012 PEDEN ST	HOUSTON	TX	77006
0523740000003	MONTROSE PETS LLC	1701 MONTROSE BLVD	HOUSTON	TX	77006-1241	1701 MONTROSE BLVD	HOUSTON	TX	77006
0523740000005	LIGATO ANTHONY E	334 PALMER HILL RD UNIT 2	RIVERSIDE	CT	06878-1011	1009 PEDEN ST	HOUSTON	CT	77006
0523740000008	CARBAJAL JOSLYN A	1013 PEDEN ST	HOUSTON	TX	77006-1340	1013 PEDEN ST	HOUSTON	TX	77006
0523750000002	DOGGETT EUGENE W	5755 DUMFRIES DR	HOUSTON	TX	77096-4818	913 PEDEN ST	HOUSTON	TX	77006
0523750000005	CURRENT OWNER	927 PEDEN ST	HOUSTON	TX	77006-1338	925 PEDEN ST	HOUSTON	TX	77006
0523750000010	TITONE ALEXANDRA	909 PEDEN ST	HOUSTON	TX	77006-1338	909 PEDEN ST	HOUSTON	TX	77006
0523760000001	VAZQUEZ JOSE J	910 PEDEN ST	HOUSTON	TX	77006-1339	910 PEDEN ST	HOUSTON	TX	77006
0523760000002	THANG JAMES & SUSIE	2132 ALBANS RD	HOUSTON	TX	77005-1518	918 PEDEN ST	HOUSTON	TX	77006
0523760000004	CURRENT OWNER	922 PEDEN ST	HOUSTON	TX	77006-1339	922 PEDEN ST	HOUSTON	TX	77006
0523760000005	COZAC RICHARD C	926 PEDEN ST	HOUSTON	TX	77006-1339	926 PEDEN ST	HOUSTON	TX	77006
0523760000006	HILLEGEIST BLAKE	2813 NEWMAN ST	HOUSTON	TX	77098-1407	1010 PEDEN ST	HOUSTON	TX	77006
0523760000008	REID JOSEPH	906 PEDEN ST	HOUSTON	TX	77006-1339	906 PEDEN ST	HOUSTON	TX	77006
0523760000009	THANG SUSIE HOA N	2132 ALBANS RD	HOUSTON	TX	77005-1518	918 PEDEN ST	HOUSTON	TX	77006
0541350000002	HARVEY KELLY	101 BROAD OAKS CIR	HOUSTON	TX	77056-1213	1306 CROCKER ST	HOUSTON	TX	77019
0541350000009	JOHNSTONE JEFFREY L & PURA	1414 CROCKER ST	HOUSTON	TX	77019-4321	1414 CROCKER ST	HOUSTON	TX	77019
0541350000010	HERRERA ALEXANDRA	1420 CROCKER ST	HOUSTON	TX	77019-4321	1420 CROCKER ST	HOUSTON	TX	77019
0541350000011	CAMPOS MARTA	1426 CROCKER ST	HOUSTON	TX	77019-4321	1426 CROCKER ST	HOUSTON	TX	77019
0541350000012	LOVORN JESSICA	2702 HORSESHOE LN	ROSHARON	TX	77583-7591	1506 CROCKER ST	HOUSTON	TX	77019
0541350000014	CURRENT OWNER	8222 COLGATE ST	HOUSTON	TX	77061-1106	802 W GRAY ST	HOUSTON	TX	77019
0541350000015	JAYARAM PRATHAP	1418 CROCKER ST	HOUSTON	TX	77019-4321	1418 CROCKER ST	HOUSTON	TX	77019
0541350000016	YOUNG JOHN M	1416 CROCKER ST	HOUSTON	TX	77019-4321	1416 CROCKER ST	HOUSTON	TX	77019
0541350000017	SZAFRON DAVID	1424 CROCKER ST	HOUSTON	TX	77019-4321	1424 CROCKER ST	HOUSTON	TX	77019
0541350000018	DJAYASAPUTRA PETER C	1422 CROCKER ST	HOUSTON	TX	77019-4321	1422 CROCKER ST	HOUSTON	TX	77019
0541350000019	WEINGAST JAY & MELISSA	1504 CROCKER ST	HOUSTON	TX	77019-4323	1504 CROCKER ST	HOUSTON	TX	77019
0541350000020	GOODPASTURE JOHN R & HEATHER W	1508 CROCKER ST	HOUSTON	TX	77019-4323	1508 CROCKER ST	HOUSTON	TX	77019
0541350000021	MEDFORD KATHERINE W & NICHOLAS S	1430 CROCKER ST	HOUSTON	TX	77019-4321	1430 CROCKER ST	HOUSTON	TX	77019
0541350000022	BOFILL MARIA G	1502 CROCKER ST	HOUSTON	TX	77019-4323	1502 CROCKER ST	HOUSTON	TX	77019
0541350000023	MANNINO JOHN P & KAY L	1314 CROCKER ST	HOUSTON	TX	77019-4319	1314 CROCKER ST	HOUSTON	TX	77019

0541350000024	KORRA MADDIE M	1315 CROCKER ST	HOUSTON	TX	77019-4318	1316 CROCKER ST	HOUSTON	TX	77019
0541360000008	MAJDALANI ZENA A	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	1126 CROCKER ST	HOUSTON	TX	77019
0541360000009	RUSSEL DANIEL	1204 CROCKER ST	HOUSTON	TX	77019-4334	1204 CROCKER ST	HOUSTON	TX	77019
0541360000010	STEWART SHEILA F	4314 STANFORD ST	HOUSTON	TX	77006-5945	1206 CROCKER ST	HOUSTON	TX	77019
0541360000015	STONE NELSON	327 W 31ST ST	HOUSTON	TX	77018-8313	1020 CROCKER ST	HOUSTON	TX	77019
0541370000004	COOPER ROBERT W II	5517 BRENTWOOD LN	PEARLAND	TX	77581	1100 STANFORD ST	HOUSTON	TX	77019
0541370000005	PLATA SERGIO FERNANDO	1102 STANFORD ST	HOUSTON	TX	77019-4307	1102 STANFORD ST	HOUSTON	TX	77019
0541370000006	1104 STANFORD LLC	7155 OLD KATY RD STE N260	HOUSTON	TX	77024-2257	1104 STANFORD ST	HOUSTON	TX	77019
0541370000008	HANKS RUSSELL V	4821 PECAN CREEK RD	RICHMOND	TX	77406-8637	1118 STANFORD ST	HOUSTON	TX	77019
0541370000009	WRIGHT ANTHONY P	1204 STANFORD ST	HOUSTON	TX	77019-4309	1204 STANFORD ST	HOUSTON	TX	77019
0541370000010	PEGELOW MARY ANNE	6726 LINDYANN LN	HOUSTON	TX	77008-5133	1206 STANFORD ST	HOUSTON	TX	77019
0541370000011	AKUOLA BILLIE	708 W CLAY ST	HOUSTON	TX	77019-4348	708 W CLAY ST	HOUSTON	TX	77019
0541370000014	CORNELISON AMANDA M	1106 E 27TH ST	HOUSTON	TX	77009-1104	1209 CROCKER ST	HOUSTON	TX	77019
0541370000016	ROC HOMES TEXAS LTD	1203 CROCKER ST	Houston	TX	77019-4333	1203 CROCKER ST	HOUSTON	TX	77019
0541370000019	WBT REAL ESTATE PARTNERS LLC	8027 NARROW BROOK WAY	HOUSTON	TX	77016-6577	1113 CROCKER ST	HOUSTON	TX	77019
0541370000020	CURRENT OWNER	PO BOX 270774	HOUSTON	TX	77277-0774	1109 CROCKER ST	HOUSTON	TX	77019
0541370000027	VALENTINE WILLIAM A	710 W CLAY ST	HOUSTON	TX	77019-4348	710 W CLAY ST	HOUSTON	TX	77019
0541370000028	HARRISON ADAM PAUL	702 W CLAY ST	HOUSTON	TX	77019-4348	702 W CLAY ST	HOUSTON	TX	77019
0541370000029	CURRENT OWNER	700 W CLAY ST	HOUSTON	TX	77019-4348	700 W CLAY ST	HOUSTON	TX	77019
0541370000030	LUCAS DAVID & LINDY S	6315 FM 1488 RD STE B # 187	MAGNOLIA	TX	77354-2526	704 W CLAY ST	HOUSTON	TX	77019
0541370000031	WUNDERLICH JEFF W	706 W CLAY ST	HOUSTON	TX	77019-4348	706 W CLAY ST	HOUSTON	TX	77019
0541370000032	PATEL NILESH & DIANA	1224 STANFORD ST	HOUSTON	TX	77019-4309	1224 STANFORD ST	HOUSTON	TX	77019
0541370000033	CRNOBREGU LIS	1222 STANFORD ST	HOUSTON	TX	77019-4309	1222 STANFORD ST	HOUSTON	TX	77019
0541370000034	JORGE & ANNA DIAZ MANAGEMENT TRUST	3431 ONION CREEK	SUGAR LAND	TX	77479-2548	1220 STANFORD ST	HOUSTON	TX	77019
0541370000035	CALDWELL KATHERINE A	1218 STANFORD ST	HOUSTON	TX	77019-4309	1218 STANFORD ST	HOUSTON	TX	77019
0541370000036	MULLIKIN JUSTIN & TARA	1216 STANFORD ST	HOUSTON	TX	77019-4309	1216 STANFORD ST	HOUSTON	TX	77019
0541370000037	MARQUEZ MARIO D & ALICIA M	8918 STERLING GATE CIR	SPRING	TX	77379-7050	1214 STANFORD ST	HOUSTON	TX	77019
0541370000038	PAGE JONATHAN CONANT	5219 CITY BANK PKWY STE 100	LUBBOCK	TX	79407-3542	1212 STANFORD ST	HOUSTON	TX	77019
0541370000039	HYDE TODD R	1210 STANFORD ST	HOUSTON	TX	77019-4309	1210 STANFORD ST	HOUSTON	TX	77019
0541380000005	OSTERRIEDER ERIK J	1404 STANFORD ST	HOUSTON	TX	77019-4380	1404 STANFORD ST	HOUSTON	TX	77019
0541380000008	STANFORD STEPS LLC	PO BOX 980563	HOUSTON	TX	77098-0563	1414 STANFORD ST	HOUSTON	TX	77019
0541380000009	STANFORD STEPS LLC	PO BOX 980563	HOUSTON	TX	77098-0563	1416 STANFORD ST	HOUSTON	TX	77019
0541380000010	HABA JOHN	1420 STANFORD ST	HOUSTON	TX	77019-4372	1420 STANFORD ST	HOUSTON	TX	77019
0541380000011	DONISI SUZANNE J	PO BOX 130117	HOUSTON	TX	77219-0117	1510 STANFORD ST	HOUSTON	TX	77019

0541380000012	MUNDEN GLENN R	384 E CAMP ST	NEW BRAUNF	TX	78130-4206	1514 STANFORD ST	HOUSTON	TX	77019
0541380000014	DANG BUU Q	8735 MEMORIAL DRIVE	HOUSTON	TX	77024-7010	714 W GRAY ST	HOUSTON	TX	77019
0541380000015	DANG BUU Q	8735 MEMORIAL DRIVE	HOUSTON	TX	77024-7010	714 W GRAY ST	HOUSTON	TX	77019
0541380000016	DANG BUU Q	8735 MEMORIAL DRIVE	HOUSTON	TX	77024-7010	1507 CROCKER ST	HOUSTON	TX	77019
0541380000017	DANG BUU Q	8735 MEMORIAL DRIVE	HOUSTON	TX	77024-7010	1505 CROCKER ST	HOUSTON	TX	77019
0541380000018	ROSENBAUM JANA	2309 BRANARD ST	HOUSTON	TX	77098-2211	1501 CROCKER ST	HOUSTON	TX	77019
0541380000019	BLASKOVIC MASSIMO	1419 CROCKER ST	HOUSTON	TX	77019-4320	1417 CROCKER ST	HOUSTON	TX	77019
0541380000021	SHEPHERD MARLENE	1162 BARKSTON DR	KATY	TX	77450-4220	1405 CROCKER ST	HOUSTON	TX	77019
0541380000024	PHILLIPS SANDRA J	1321 CROCKER ST	HOUSTON	TX	77019-4318	1321 CROCKER ST	HOUSTON	TX	77019
0541380000029	SIMO JUAN A	1304 STANFORD ST	HOUSTON	TX	77019-4327	1304 STANFORD ST	HOUSTON	TX	77019
0541750000001	BAIAMONTE JERRY & JUDY J	5214 RIDGEWOOD REEF	HOUSTON	TX	77041-6621	614 PEDEN ST #4	HOUSTON	TX	77006
0541750000002	ARQUIETA JOSENA F	612 PEDEN ST	HOUSTON	TX	77006-1424	612 PEDEN ST	HOUSTON	TX	77006
0541750000003	BURGESS ARI	608 PEDEN ST	HOUSTON	TX	77006-1424	608 PEDEN ST	HOUSTON	TX	77006
0541750000004	MORRIS LARRY C	604 PEDEN ST	HOUSTON	TX	77006-1424	604 PEDEN ST	HOUSTON	TX	77006
0541750000009	JONES T ROBERTSON II GST EXEMPT TRUST	9212 JAMAICA BCH	GALVESTON	TX	77554-9646	502 PEDEN ST	HOUSTON	TX	77006
0541750000011	LITTLEPAGE 006 HOLDINGS LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	418 PEDEN ST	HOUSTON	TX	77006
0541750000012	KEWALRAMANI HIRO	26919 SHOAL GLEN LN	HOUSTON	TX	77006	412 PEDEN ST	HOUSTON	TX	77006
0541750000013	NOSKE LEA HOLT ESTATE OF	408 PEDEN ST	HOUSTON	TX	77006-1420	410 PEDEN ST	HOUSTON	TX	77006
0541750000014	ANDREWS ASHLEY P	2429 BISSONNET ST #486	HOUSTON	TX	77005-1451	406 PEDEN ST	HOUSTON	TX	77006
0541750000016	WALLING DAVID R	314 PEDEN ST	HOUSTON	TX	77006-1418	314 PEDEN ST	HOUSTON	TX	77006
0541750000017	CHEHLAOUI DOMINIQUE	312 PEDEN ST	HOUSTON	TX	77006-1418	312 PEDEN ST	HOUSTON	TX	77006
0541750000018	POLO CAPITAL LLC	3719 LEELAND ST	HOUSTON	TX	77003-5519	308 PEDEN ST	HOUSTON	TX	77006
0541750000019	POLO CAPITAL LLC	3719 LEELAND ST	HOUSTON	TX	77003-5519	1720 TAFT ST	HOUSTON	TX	77006
0541760000001	GEACCONE DONALD R	9111 LARSTON ST	HOUSTON	TX	77055-6413	615 PEDEN ST	HOUSTON	TX	77006
0541760000003	PILLAI PRADEEP	607 PEDEN ST	HOUSTON	TX	77006-1423	607 PEDEN ST	HOUSTON	TX	77006
0541760000004	CURRENT OWNER	603 PEDEN ST	HOUSTON	TX	77006-1423	603 PEDEN ST	HOUSTON	TX	77006
0541760000007	ECKERT LESTER W & ELSIE J	511 PEDEN ST	HOUSTON	TX	77006-1421	511 PEDEN ST	HOUSTON	TX	77006
0541760000009	TONTHAT TRUST	4101 MANSION HALL CT	LAS VEGAS	NV	89129-3665	501 PEDEN ST 4	HOUSTON	TX	77006
0541760000012	LITTLEPAGE ZOE	407 PEDEN ST	HOUSTON	TX	77006-1459	407 PEDEN ST 6	HOUSTON	TX	77006
0541760000013	MALHOTRA STEFAN & SHEPHERD ALEXANDRA	405 PEDEN ST	HOUSTON	TX	77006-1419	405 PEDEN ST	HOUSTON	TX	77006
0541760000014	CURRENT OWNER	401 PEDEN ST	HOUSTON	TX	77006-1419	401 PEDEN ST	HOUSTON	TX	77006
0541760000016	SKORONSKI SHANA L	315 PEDEN ST	HOUSTON	TX	77006-1417	315 PEDEN ST	HOUSTON	TX	77006
0541760000021	WOOTEN TYLER & ASHLYN	411 PEDEN ST	HOUSTON	TX	77006-1419	411 PEDEN ST	HOUSTON	TX	77006
0541770000001	CURRENT OWNER	807 PEDEN ST	HOUSTON	TX	77006-1336	807 PEDEN ST	HOUSTON	TX	77006

0541770000002	PRESTIGE REAL ESTATE INC	1239 W 15 1/2 ST	Houston	TX	77008-3419	803 PEDEN ST	HOUSTON	TX	77006
0541770000003	COOK RHONDA L	719 PEDEN ST	HOUSTON	TX	77006-1334	719 PEDEN ST	HOUSTON	TX	77006
0541770000004	ROGERS PEGGY J	715 PEDEN ST	HOUSTON	TX	77006-1334	715 PEDEN ST	HOUSTON	TX	77006
0541770000005	BADDERS FAMILY LIMITED PARTNERSHIP	711 PEDEN ST	HOUSTON	TX	77006-1334	711 PEDEN ST	HOUSTON	TX	77006
0541770000006	GEACCONE DONALD RAY	9111 LARSTON ST	HOUSTON	TX	77055-6413	707 PEDEN ST	HOUSTON	TX	77006
0541770000007	GEACCONE DONALD R	9111 LARSTON ST	HOUSTON	TX	77055-6413	701 PEDEN ST	HOUSTON	TX	77006
0541780000001	LEWIS WILLIAM M III	902 PEDEN ST	HOUSTON	TX	77006-1339	902 PEDEN ST	HOUSTON	TX	77006
0541780000002	ZINN ANNETTE M	802 PEDEN ST	HOUSTON	TX	77006-1337	802 PEDEN ST	HOUSTON	TX	77006
0541780000003	LOVE STEPHEN	718 PEDEN ST	HOUSTON	TX	77006-1335	718 PEDEN ST	HOUSTON	TX	77006
0541780000005	GEACCONE DONALD R	9111 LARSTON ST	HOUSTON	TX	77055-6413	712 PEDEN ST	HOUSTON	TX	77006
0541780000006	GOODSON GRACE M	708 PEDEN ST	HOUSTON	TX	77006-1335	708 PEDEN ST	HOUSTON	TX	77006
0541780000007	BIER JOANN E	700 PEDEN ST	HOUSTON	TX	77006-1335	702 PEDEN ST	HOUSTON	TX	77006
0560410000001	NGUYEN DONVEIN CAO & NANCY	5529 HARPER FOREST DR	HOUSTON	TX	77088-2620	0 TAFT ST	HOUSTON	TX	77019
0560410000006	ETA GROUP INVESTMENT LLC	820 RICHMOND AVE	HOUSTON	TX	77006-5514	403 W GRAY ST	HOUSTON	TX	77019
0560410000007	MILLAS GEORGE S & GIASEMI	10419 WILLOWGROVE DR	HOUSTON	TX	77035-3429	405 W GRAY ST	HOUSTON	TX	77019
0560410000008	TRIPPAS THEODOROS	439 BRAZOS HILL LN	SEALY	TX	77474-9282	411 W GRAY ST	HOUSTON	TX	77019
0560410000009	COMMERCE SAVINGS	111 SOLEDAD ST STE 600	SAN ANTONIO	TX	78205-2286	0 PEDEN	HOUSTON	TX	77006
0560530000005	YUNG KIN F	2026 CYPRESS BEND LN	SUGAR LAND	TX	77478-5297	1003 W GRAY ST	HOUSTON	TX	77019
0560530000006	ROALTY I PROPERTIES LTD	5712 SOUTHWEST FWY	HOUSTON	TX	77057-7508	919 W GRAY ST	HOUSTON	TX	77019
0560530000007	JACOBSEN CARL L	915 W GRAY ST APT 4	HOUSTON	TX	77019-4874	915 W GRAY ST 4	HOUSTON	TX	77019
0560530000008	BARNSTONE GEORGE	1752 HAROLD ST	HOUSTON	TX	77098-1602	911 W GRAY ST #4	HOUSTON	TX	77019
0560530000009	ALIMOV ANAR	11908 BAY HEIGHTS WAY	AUSTIN	TX	78726-4103	907 W GRAY ST 4	HOUSTON	TX	77019
0560530000010	THONGDARA STEVE	901 W GRAY ST	HOUSTON	TX	77019-4259	901 W GRAY ST	HOUSTON	TX	77019
0560530000011	W GRAY CAPITAL LLC	18215 FLINT HILL DR	KATY	TX	77449-8494	815 W GRAY ST	HOUSTON	TX	77019
0560530000012	CHEATHAM JAMES R & NANCY	811 W GRAY ST APT 4	HOUSTON	TX	77019-4351	811 W GRAY ST	HOUSTON	TX	77019
0560530000013	BAMBAS G J	10000 HWY 150 W	DRIFTWOOD	TX	78619	807 W GRAY ST	HOUSTON	TX	77019
0560530000014	BAMBAS JOHN G	10000 FM 150 W	DRIFTWOOD	TX	78619-9250	803 W GRAY ST	HOUSTON	TX	77019
0560530000015	BAMBAS JOHN G & MELISSEC R	10000 FM 150 W	DRIFTWOOD	TX	78619-9250	719 W GRAY ST #4	HOUSTON	TX	77019
0560530000017	PHUNG DIEP LLC	10834 LANGDON LN	HOUSTON	TX	77072-3716	711 W GRAY ST	HOUSTON	TX	77019
0560530000018	PHUNG DIEP LLC	10834 LANGDON LN	HOUSTON	TX	77072-3716	711 W GRAY ST	HOUSTON	TX	77019
0560530000019	CURRENT OWNER	701 W GRAY ST STE 4	HOUSTON	TX	77019-4365	701 W GRAY ST	HOUSTON	TX	77019
0560540000001	CURRENT OWNER	17306 DESERT OAK COURT	SPRING	TX	77379-5541	615 W GRAY ST	HOUSTON	TX	77019
0560540000002	CURRENT OWNER	17306 DESERT OAK CT	SPRING	TX	77379-5541	611 W GRAY ST	HOUSTON	TX	77019
0560540000003	CURRENT OWNER	17306 DESERT OAK COURT	SPRING	TX	77379-5541	607 W GRAY ST	HOUSTON	TX	77019

0560540000004	CURRENT OWNER	17306 DESERT OAK COURT	SPRING	TX	77379-5541	603 W GRAY ST	HOUSTON	TX	77019
0560540000005	WRIGHT CHRISTOPHER D	2507 MONTROSE BLVD APT 15	HOUSTON	TX	77006-2734	517 W GRAY ST	HOUSTON	TX	77019
0560540000006	SYMEONIDIS GEORGE	515 W GRAY ST APT 4	HOUSTON	TX	77019-4880	515 W GRAY ST #4	HOUSTON	TX	77019
0560540000007	505 WGS LLC	6027 GLENCOVE ST	HOUSTON	TX	77007-7008	511 W GRAY ST #4	HOUSTON	TX	77019
0560540000008	505 WGS LLC	6027 GLENCOVE ST	HOUSTON	TX	77007-7008	507 W GRAY ST #4	HOUSTON	TX	77019
0560540000009	505 WGS LLC	6027 GLENCOVE ST	HOUSTON	TX	77007-7008	505 W GRAY ST #4	HOUSTON	TX	77019
0560540000010	505 WGS LLC	6027 GLENCOVE ST	HOUSTON	TX	77007-7008	419 W GRAY ST	HOUSTON	TX	77019
0560540000011	TRIPPAS THEODOROS	439 BRAZOS HILL LN	SEALY	TX	77474-9282	415 W GRAY ST	HOUSTON	TX	77019
0562010000001	KNA PARTNERS	5005 RIVERWAY DR STE 120	HOUSTON	TX	77056-2123	3110 W DALLAS ST	HOUSTON	TX	77019
0562010000013	MCREF III WAUGH APARTMENTS LLC	7026 OLD KATY RD STE 273	Houston	TX	77024-2125	3115 DAMICO ST	HOUSTON	TX	77019
0562010000018	MCREF III WAUGH APARTMENTS LLC	7026 OLD KATY RD STE 273	Houston	TX	77024-2125	801 ROSINE ST	HOUSTON	TX	77019
0562010000019	SILVESTRI HOMES OF TX INC	1215 GESSNER RD	HOUSTON	TX	77055-6013	0 ROSINE ST	HOUSTON	TX	77019
0562010000030	HOUSTONS AREA WOMENS CTR	1010 WAUGH DR	HOUSTON	TX	77019-3902	0 W DALLAS ST	HOUSTON	TX	77019
0562010000032	MCREF III WAUGH APARTMENTS LLC	7026 OLD KATY RD STE 273	Houston	TX	77024-2125	3117 DAMICO ST	HOUSTON	TX	77019
0562010000033	THOMAS ALVIN	3333 ALLEN PKWY UNIT 2601	HOUSTON	TX	77019-1850	803 ROSINE ST	HOUSTON	TX	77019
0562010000034	BECERRA JAVIER AGUSIL	805 ROSINE ST	HOUSTON	TX	77019-1938	805 ROSINE ST	HOUSTON	TX	77019
0562010000035	GARCENILA HEATHER V	807 ROSINE ST	HOUSTON	TX	77019-1938	807 ROSINE ST	HOUSTON	TX	77019
0562010000036	AGENA GRETCHEN S	811 ROSINE ST	HOUSTON	TX	77019-1938	811 ROSINE ST	HOUSTON	TX	77019
0562010000037	NEAL DANIEL & KAREN	809 ROSINE ST	HOUSTON	TX	77019-1938	809 ROSINE ST	HOUSTON	TX	77019
0562010000038	TRASK REBECCA	815 ROSINE ST	HOUSTON	TX	77019-1938	815 ROSINE ST	HOUSTON	TX	77019
0562010000039	SILVESTRI HOMES OF TX INC	1215 GESSNER RD	HOUSTON	TX	77055-6013	841 ROSINE ST	HOUSTON	TX	77019
0562020000006	KNA PARTNERS	1020 W LOOP N	HOUSTON	TX	77055-7255	502 WAUGH DR	HOUSTON	TX	77019
0570310000001	JADE DRAGON INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	0 W DALLAS ST	HOUSTON	TX	77019
0570310000002	JADE DRAGO INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	1969 W DALLAS ST	HOUSTON	TX	77019
0570310000003	JADE DRAGON INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	1965 W DALLAS ST	HOUSTON	TX	77019
0570310000004	JADE DRAGON INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	1961 W DALLAS ST	HOUSTON	TX	77019
0570310000005	ROSEY INTERNATIONAL INC	8308 CHIMNEY ROCK CT	PORT ARTHUF	TX	-77642	1957 W DALLAS ST 4	HOUSTON	TX	77019
0570310000006	JADE DRAGON INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	1953 W DALLAS ST	HOUSTON	TX	77019
0570310000007	JADE DRAGON INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	0 W DALLAS ST	HOUSTON	TX	77019
0570310000008	JADE DRAGON INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	1945 W DALLAS ST	HOUSTON	TX	77019
0570310000009	JADE DRAGON INC	2010 HOLMES RD	HOUSTON	TX	77045-1225	1941 W DALLAS ST	HOUSTON	TX	77019
0570310000010	TWM WD LLC	7603 MEADOWGLEN LN	HOUSTON	TX	77063-4809	1937 W DALLAS ST	HOUSTON	TX	77019
0570310000011	CHANG SEAN S	1931 W DALLAS ST	HOUSTON	TX	77019-4412	1931 W DALLAS ST	HOUSTON	TX	77019
0570310000012	DIEZ SARAH & NEAL	1927 1/2 W DALLAS ST	HOUSTON	TX	77019-4412	1929 W DALLAS ST	HOUSTON	TX	77019

0570310000013	CHIV SARETH & MUOY	1925 W DALLAS ST	HOUSTON	TX	77019-4412	1925 DALLAS ST	HOUSTON	TX	77019
0570310000014	HEM LORN SOK	1921 W DALLAS ST	HOUSTON	TX	77019-4412	1921 W DALLAS ST	HOUSTON	TX	77019
0570310000015	2020 HARWIN 59 SHOPPING CENTERS LTD	5007 MEADOW LANDING CT	SUGAR LAND	TX	77479-4292	1919 DALLAS ST	HOUSTON	TX	77019
0570310000016	2020 HARWIN 59 SHOPPING CENTERS LTD	5007 MEADOW LANDING CT	SUGAR LAND	TX	77479-4292	1915 DALLAS ST	HOUSTON	TX	77019
0570310000018	CURRENT OWNER	311 ELM ST	NACOGDOCHI	TX	75965-2851	1002 TAFT ST	HOUSTON	TX	77019
0570310000020	MOMIN RIYAZ R & ZOHRA R	155 GRACE POINT DR	SUGAR LAND	TX	77498-1878	302 W SAULNIER ST 4	HOUSTON	TX	77019
0570310000023	DAFTARY ROSHANAK	PO BOX 270011	HOUSTON	TX	77277-0011	314 W SAULNIER ST 4	HOUSTON	TX	77019
0570310000024	LIGATO ANTHONY	1702 PARK ST	HOUSTON	TX	77019-5706	318 W SAULNIER ST	HOUSTON	TX	77019
0570310000025	YIM PAUL M	8522 IVY FALLS CT	JERSEY VILLAG	TX	77040-1122	402 W SAULNIER ST	HOUSTON	TX	77019
0570310000026	CHARYSBDYS LLC	1419 CROCKERS ST	HOUSTON	TX	77019-4320	406 W SAULNIER ST 3	HOUSTON	TX	77019
0570310000027	ANSON BERT III & MARY S	412 W SAULNIER ST # 414	HOUSTON	TX	77019-4427	412 W SAULNIER ST	HOUSTON	TX	77019
0570310000028	ANSON BERT III & MARY S	4046 DRUMMOND ST	HOUSTON	TX	77025-2310	418 W SAULNIER ST	HOUSTON	TX	77019
0570310000030	AZPEITIA SEVERINO & CHRISTINA	502 W SAULNIER ST	HOUSTON	TX	77019-4429	502 W SAULNIER ST	HOUSTON	TX	77019
0570310000032	MARINO BRIAN J	510 W SAULNIER ST	HOUSTON	TX	77019-4429	510 W SAULNIER ST	HOUSTON	TX	77019
0570310000035	SADLER JAMES W	8857 CAVELL ST	HOUSTON	TX	77055-6658	602 W SAULNIER ST	HOUSTON	TX	77019
0570310000036	ANSON MARY S ET AL	4046 DRUMMOND ST	HOUSTON	TX	77025-2310	608 W SAULNIER ST	HOUSTON	TX	77019
0570310000037	BRAHIM TABJA ALFREDO	711 LOUISIANA ST STE 1400	HOUSTON	TX	77002-2847	612 W SAULNIER ST	HOUSTON	TX	77019
0570310000039	CUNNINGHAM GEORGE W JR	400 W SAULNIER ST	HOUSTON	TX	77019-4427	400 W SAULNIER ST	HOUSTON	TX	77019
0570310000040	CLAPP CHELSEA	404 W SAULNIER ST	HOUSTON	TX	77019-4427	404 W SAULNIER ST	HOUSTON	TX	77019
0570320000003	SKYMS LLC	27 OTTER POND PL	SPRING	TX	77381-4036	605 W SAULNIER ST 4	HOUSTON	TX	77019
0570320000004	CURRENT OWNER	PO BOX 667429	HOUSTON	TX	77266-7429	603 W SAULNIER ST 4	HOUSTON	TX	77019
0570320000005	HAGENEY CHRIS	PO BOX 667429	HOUSTON	TX	77266-7429	601 W SAULNIER ST 6	HOUSTON	TX	77019
0570320000007	GARSON JAMES W & CONSTANCE C	509 W SAULNIER ST	HOUSTON	TX	77019-4428	509 W SAULNIER ST	HOUSTON	TX	77019
0570320000008	CURRENT OWNER	505 W SAULNIER ST	HOUSTON	TX	77019-4428	505 W SAULNIER ST	HOUSTON	TX	77019
0570320000010	LINK CAPITAL MANAGEMENT LLC	180 OAK PLACE DR	HOUSTON	TX	77006-1788	419 W SAULNIER ST	HOUSTON	TX	77019
0570320000011	ANSON BERT III & MARY M	4046 DRUMMOND ST	HOUSTON	TX	77025-2310	413 W SAULNIER ST	HOUSTON	TX	77019
0570320000012	DEITZ SAMANTHA	409 W SAULNIER ST	HOUSTON	TX	77019-4426	409 W SAULNIER ST	HOUSTON	TX	77019
0570320000013	WEBB STEVEN A & DARIA D	316 W 23RD ST	HOUSTON	TX	77008-2031	405 W SAULNIER ST 2	HOUSTON	TX	77019
0570320000014	KORNBLAU JAKE ALEXANDER	314 W BELL ST APT 303	HOUSTON	TX	77019-4781	403 W SAULNIER ST	HOUSTON	TX	77019
0570320000015	WAGGONER JUSTIN M	317 W SAULNIER ST	HOUSTON	TX	77019-4424	317 W SAULNIER ST	HOUSTON	TX	77019
0570320000016	BOZORGMEHRIAN MANOOCHEHR	14114 KINGSRIDE	HOUSTON	TX	77079-3221	313 W SAULNIER ST	HOUSTON	TX	77019
0570320000017	HOANG THU ANH	309 W SAULNIER	HOUSTON	TX	77019-4764	309 W SAULNIER ST	HOUSTON	TX	77019
0570320000020	BALINSKAS SARAH	1114 TAFT ST	HOUSTON	TX	77019-4538	1114 TAFT ST	HOUSTON	TX	77019
0570320000022	LEAN ELIZABETH	8283 PIEDMONT AVE	FRISCO	TX	75035-1419	308 W POLK ST	HOUSTON	TX	77019

0570320000024	WEBB DARIA D & STEVEN A	316 W 23RD ST	HOUSTON	TX	77008-2031	320 W POLK ST 4	HOUSTON	TX	77019
0570320000025	ADKINS PIERCE M	404 W POLK ST	HOUSTON	TX	77019-4419	404 W POLK ST	HOUSTON	TX	77019
0570320000026	MARTINI PAULA A	408 W POLK ST	HOUSTON	TX	77019-4887	408 W POLK ST	HOUSTON	TX	77019
0570320000027	BAKER ROBERT W	1943 W LAMAR	HOUSTON	TX	77019-2602	412 W POLK ST	HOUSTON	TX	77019
0570320000028	FOCKE THATCHER B	418 W POLK ST	HOUSTON	TX	77019-4419	418 W POLK	HOUSTON	TX	77019
0570320000029	420 W POLK LLC	7155 OLD KATY RD STE N 260	HOUSTON	TX	77024-2257	420 W POLK ST	HOUSTON	TX	77019
0570320000030	SYMEONIDIS GEORGE	502 W POLK ST	HOUSTON	TX	77019-4421	502 W POLK ST	HOUSTON	TX	77019
0570320000032	PEGELOW CHARLES N & SHARON	6726 LINDYANN LN	HOUSTON	TX	77008-5133	510 W POLK ST	HOUSTON	TX	77019
0570320000034	CHAVEZ JUAN	602 W POLK ST	HOUSTON	TX	77019-4423	602 POLK ST	HOUSTON	TX	77019
0570320000035	PATLAN TERESA	604 W POLK ST	HOUSTON	TX	77019-4423	604 W POLK ST	HOUSTON	TX	77019
0570320000036	ASSAF YOLANDA	606 W POLK ST	HOUSTON	TX	77019-4423	606 W POLK ST	HOUSTON	TX	77019
0570330000001	DHUKA RASHEED	611 W POLK ST	HOUSTON	TX	-77019	611 W POLK ST	HOUSTON	TX	77019
0570330000002	DHUKA RASHEED	609 W POLK ST	HOUSTON	TX	77019-4402	609 W POLK ST	HOUSTON	TX	77019
0570330000005	ONE MULE ONE TRACTOR INVESTMENTS LLC	PO BOX 8225	HUNTSVILLE	TX	77340-0004	601 W POLK ST 4	HOUSTON	TX	77019
0570330000007	BROOKS TINA S & DYLAN S	511 W POLK ST	HOUSTON	TX	77019-4674	511 W POLK ST	HOUSTON	TX	77019
0570330000009	ROMERO MANUEL & LEAH	16215 FRIAR CIR	SPRING	TX	77379-7110	505 W POLK ST 4	HOUSTON	TX	77019
0570330000010	PRSL LTD % BETTYE J LOWE	PO BOX 883	BRENHAM	TX	77834-0883	419 W POLK ST 4	HOUSTON	TX	77019
0570330000011	MOMIN RIYAZ & ZOHRA	155 GRACE POINT DR	SUGAR LAND	TX	77498-1878	415 W POLK ST 4	HOUSTON	TX	77019
0570330000014	PASCUCCI DANIEL J	1302 WAUGH DR APT 737	HOUSTON	TX	77019-3908	403 W POLK ST	HOUSTON	TX	77019
0570330000015	LENNON ANDREW L & TRACI	321 W POLK ST	HOUSTON	TX	77019-4416	321 W POLK ST	HOUSTON	TX	77019
0570330000024	LUSTER RONALD L & KARMEN	318 W CLAY ST	HOUSTON	TX	77019-4405	318 W CLAY ST	HOUSTON	TX	77019
0570330000025	BAKER ROBERT W	1943 W LAMAR	HOUSTON	TX	77019-2602	402 W CLAY ST	HOUSTON	TX	77019
0570330000026	CLARK WARTHEN GROUP INC	PO BOX 272213	HOUSTON	TX	77277-2213	406 W CLAY ST	HOUSTON	TX	77019
0570330000027	GREER PATRICIA	412 W CLAY ST	HOUSTON	TX	77019-8401	412 W CLAY ST	HOUSTON	TX	77019
0570330000028	HARRIS RYAN P	418 W CLAY ST	HOUSTON	TX	77019-4407	416 W CLAY ST	HOUSTON	TX	77019
0570330000029	BLAKE JAMAR A	420 W CLAY ST	HOUSTON	TX	77019-4676	420 W CLAY ST	HOUSTON	TX	77019
0570330000030	PISECCO STEWART	1307 MARSHALL ST	HOUSTON	TX	77006-4213	504 W CLAY ST 4	HOUSTON	TX	77019
0570330000031	508 W CLAY FLATS LLC	647 ELECTRA DR	HOUSTON	TX	77079-6131	508 W CLAY ST #6	HOUSTON	TX	77019
0570330000034	GIBSON STEPHANIE	520 W CLAY ST	HOUSTON	TX	77019-8403	520 W CLAY ST	HOUSTON	TX	77019
0570330000035	GIANT MAJESTIC LLC	6200 CURZON AVE	FORT WORTH	TX	76116-4603	604 W CLAY ST 4	HOUSTON	TX	77019
0570330000036	GIANT MAJESTIC LLC	6200 CURZON AVE	FORT WORTH	TX	76116-4603	610 W CLAY ST 4	HOUSTON	TX	77019
0570340000001	HIGH END INVESTMENTS LLC	1415 HIGHWAY 6 STE D500	SUGAR LAND	TX	77478-4970	617 W CLAY ST	HOUSTON	TX	77019
0570340000002	APRIL INTERESTS LLC	2726 BISSONNET ST STE 240-194	HOUSTON	TX	77005-1319	611 W CLAY ST	HOUSTON	TX	77019
0570340000003	KERDACHI COLIN	605 W CLAY ST	HOUSTON	TX	77019-4564	605 W CLAY ST	HOUSTON	TX	77019

0570340000004	STARGEL JACK SLADE	1827 SUNSET BLVD	HOUSTON	TX	77005-1715	601 W CLAY ST	HOUSTON	TX	77019
0570340000005	CURRENT OWNER	106 COVE CREEK LN	HOUSTON	TX	77042-1020	519 W CLAY ST	HOUSTON	TX	77019
0570340000006	SMITH BRETT A	515 W CLAY ST	HOUSTON	TX	77019-4565	515 W CLAY ST 4	HOUSTON	TX	77019
0570340000013	ASSAF YOLANDA	606 W POLK ST	HOUSTON	TX	77019-4423	405 W CLAY ST #4	HOUSTON	TX	77019
0570340000014	REINHARDT PAUL A & SUSAN H	12415 HUNTINGWICK DR	HOUSTON	TX	77024-4906	401 W CLAY ST 4	HOUSTON	TX	77019
0570340000017	YOUNG MARGARET BARTHOLOW E ESTATE OF	309 W CLAY ST	HOUSTON	TX	77019-4404	309 W CLAY ST 4	HOUSTON	TX	77019
0570340000018	PHELPS JODY LEE	3417 AVENUE Q 1/2	GALVESTON	TX	77550-7566	303 W CLAY ST	HOUSTON	TX	77019
0570340000019	DAVIS KEVIN L	301 W CLAY ST	HOUSTON	TX	77019-4889	301 W CLAY ST	HOUSTON	TX	77019
0570340000022	HOLMES MICHAEL L	312 W BELL ST	HOUSTON	TX	77019-4433	312 W BELL ST	HOUSTON	TX	77019
0570340000025	DIMICELI LOUIS J	402 W BELL ST	HOUSTON	TX	77019-4435	402 W BELL ST	HOUSTON	TX	77019
0570340000026	408WBELL INC	5031 CHEENA DR	HOUSTON	TX	77096-5321	408 W BELL ST	HOUSTON	TX	77019
0570340000028	FAVILA TERESA	416 W BELL ST	HOUSTON	TX	77019-4435	416 W BELL ST	HOUSTON	TX	77019
0570340000034	CHILDS ALLISON E	520 W BELL ST	HOUSTON	TX	77019-4437	520 W BELL ST	HOUSTON	TX	77019
0570340000038	CENACLE PROPERTIES LLC	5326 A INSTITUTE LN	HOUSTON	TX	77005-1820	616 BELL ST	HOUSTON	TX	77019
0570340000040	AIM STAR INVESTMENTS LLC	1415 HIGHWAY 6 STE B 500	SUGAR LAND	TX	77478-4987	417 W CLAY ST 12	HOUSTON	TX	77019
0570340000043	COUSINS PETER C & RIMMA V	600 W BELL ST	HOUSTON	TX	77019-4439	600 W BELL ST	HOUSTON	TX	77019
0570340000044	DAVIS KEVIN L	301 W CLAY ST	HOUSTON	TX	77019-4889	1306 TAFT ST 4	HOUSTON	TX	77019
0570350000003	WALKER BIRGIT	PO BOX 130584	HOUSTON	TX	77219-0584	605 BELL ST	HOUSTON	TX	77019
0570350000008	NAVARRO DAVID	507 W BELL ST	HOUSTON	TX	77019-4436	507 W BELL ST	HOUSTON	TX	77019
0570350000014	HUBBARD ROBERT H	401 W BELL ST	HOUSTON	TX	77019-4434	401 W BELL ST	HOUSTON	TX	77019
0570350000016	JC PROPERTIES SOUTH LLC	6753 CORINTIA ST	CARLSBAD	CA	92009-5907	315 W BELL ST 6	HOUSTON	TX	77019
0570350000017	ALLSHOUSE SHERI L	1302 WAUGH DR APT 378	HOUSTON	TX	77019-3908	311 W BELL ST	HOUSTON	TX	77019
0570350000019	KEAHEY KATHLEEN	1119 NASHUA ST	HOUSTON	TX	77008-6452	301 W BELL ST 4	HOUSTON	TX	77019
0570350000023	WALKER TIMOTHY D	314 W PIERCE ST	HOUSTON	TX	77019-4449	314 W PIERCE ST	HOUSTON	TX	77019
0570350000026	OZELTON FAMILY TRUST	406 W PIERCE ST	Houston	TX	77019-8417	406 W PIERCE ST	HOUSTON	TX	77019
0570350000027	ATWOOD JERRY N	414 W PIERCE ST	HOUSTON	TX	77019-8417	414 W PIERCE ST	HOUSTON	TX	77019
0570350000031	HERNANDEZ RICKY	508 W PIERCE ST	HOUSTON	TX	77019-4690	508 W PIERCE ST	HOUSTON	TX	77019
0570350000032	MITCHELL LYLE	PO BOX 131022	HOUSTON	TX	77219-1022	512 W PIERCE ST	HOUSTON	TX	77019
0570350000033	FLICK T C	9525 KATY FWY STE 305	HOUSTON	TX	77024-1439	516 W PIERCE ST	HOUSTON	TX	77019
0570350000034	MORGAN KATIE M & THOMAS C	520 W PIERCE ST APT B	HOUSTON	TX	77019-4681	520 W PIERCE ST	HOUSTON	TX	77019
0570350000039	STATZ JEREMY	410 W PIERCE ST	Houston	TX	77019-8417	410 W PIERCE ST	HOUSTON	TX	77019
0570350000041	BETHANCOURT WILLIAM & DANA	608 W PIERCE ST	HOUSTON	TX	77019-4454	608 W PIERCE ST	HOUSTON	TX	77019
0570350000042	TURMAN MATTHEW A	460 RANCH FALLS	BOERNE	TX	78015-8388	606 W PIERCE ST	HOUSTON	TX	77019
0570360000001	TRAN ANNA M	1202 MATTHEWS ST	HOUSTON	TX	77019-4608	615 W PIERCE ST	HOUSTON	TX	77019

0570360000003	ANSON BERT III & MARY S	4046 DRUMMOND ST	HOUSTON	TX	77025-2310	607 W	PIERCE ST #4	HOUSTON	TX	77019
0570360000004	MCNAMARA JAMES L	1138 W GRAY ST	HOUSTON	TX	77019-4133	601 W	PIERCE ST	HOUSTON	TX	77019
0570360000005	ROCHE SAMUEL & MARY	517 W PIERCE ST	HOUSTON	TX	77019-4686	517 W	PIERCE ST	HOUSTON	TX	77019
0570360000008	JAC SALINAS REAL ESTATE LLC	16410 AQUARIAN CT	CROSBY	TX	77532-5216	507 W	PIERCE ST	HOUSTON	TX	77019
0570360000009	THERA INVESTMENTS LLC	17306 DESERT OAK CT	SPRING	TX	77379-5541	501 W	PIERCE ST	HOUSTON	TX	77019
0570360000010	THERA INVESTMENTS LLC	17306 DESERT OAK CT	SPRING	TX	77379-5541	419 W	PIERCE ST	HOUSTON	TX	77019
0570360000011	THERA INVESTMENTS LLC	17306 DESERT OAK CT	SPRING	TX	77379-5541	415 W	PIERCE ST	HOUSTON	TX	77019
0570360000013	GENSON TECHNOLOGIES INC	5001 ELM ST	BELLAIRE	TX	77401-2811	407 W	PIERCE ST	HOUSTON	TX	77019
0570360000015	CURRENT OWNER	721 BUCKINGHAM DR	HOUSTON	TX	77024-3701	317 W	PIERCE ST	HOUSTON	TX	77019
0570360000018	BURKE DONALD J	307 W PIERCE ST	HOUSTON	TX	77019-4448	307 W	PIERCE ST	HOUSTON	TX	77019
0570360000019	NRH FAMILY TRUST	PO BOX 96	BELLAIRE	TX	77402-0096	1514	TAFT ST	HOUSTON	TX	77019
0570360000020	NRH FAMILY TRUST	PO BOX 96	BELLAIRE	TX	77402-0096	0 W	GRAY ST	HOUSTON	TX	77019
0570360000021	A & J HOSPITALITY LLC	1026 BAYOU ISLAND DR	HOUSTON	TX	77063-1063	308 W	GRAY ST	HOUSTON	TX	77019
0570360000022	A & J HOSPITALITY LLC	1026 BAYOU ISLAND DR	HOUSTON	TX	77063-1063	312 W	GRAY ST	HOUSTON	TX	77019
0570360000023	MONTROSE ESTATE CAPITAL LLC	1539 CASTLE COURT STE 5	HOUSTON	TX	77006-5782	316 W	GRAY ST	HOUSTON	TX	77019
0570360000026	THERA INVESTMENTS LLC	17306 DESERT OAK COURT	SPRING	TX	77379-5541	406 W	GRAY ST	HOUSTON	TX	77019
0570360000027	THERA INVESTMENTS LLC	17306 DESERT OAK CT	SPRING	TX	77379-5541	414 W	GRAY ST	HOUSTON	TX	77019
0570360000028	THERA INVESTMENTS LLC	17306 DESERT OAK CT	SPRING	TX	77379-5541	414 W	GRAY ST	HOUSTON	TX	77019
0570360000029	THERA INVESTMENTS LLC	17306 DESERT OAK CT	SPRING	TX	77379-5541	500 W	GRAY ST	HOUSTON	TX	77019
0570360000033	OSTENDORF ALISON	516 W GRAY APT 1	HOUSTON	TX	77019-4479	516 W	GRAY ST	HOUSTON	TX	77019
0570360000034	TULE TREE LLC	3262 WESTHEIMER RD STE 640	HOUSTON	TX	77098-1002	600 W	GRAY ST	HOUSTON	TX	77019
0570360000038	KOVAC PREDRAG M	9157 BRIAR FOREST DR	HOUSTON	TX	77024-7222	614 W	GRAY ST	HOUSTON	TX	77019
0570360010001	MCLAURIN DAVID	518 W BELL ST	HOUSTON	TX	77019-4437	518 W	BELL ST	HOUSTON	TX	77019
0570360010002	FLIGHT KIRK W	516 W BELL ST	HOUSTON	TX	77019-4437	516 W	BELL ST	HOUSTON	TX	77019
0570360010003	GIRONA CLARA	514 W BELL ST	HOUSTON	TX	77019-4437	514 W	BELL ST	HOUSTON	TX	77019
0570360010004	CASSO DAVID A	8742 WICKERSHAM ST	SAN ANTONIO	TX	78254-2248	512 W	BELL ST	HOUSTON	TX	77019
0570360010005	DAUS MICHAEL	510 W BELL ST	HOUSTON	TX	77019-4437	510 W	BELL ST	HOUSTON	TX	77019
0570360010006	TYSON HILARY K & WARREN C	508 W BELL ST	HOUSTON	TX	77019-4437	508 W	BELL ST	HOUSTON	TX	77019
0570360010007	NASHEF MOHAMMAD N	506 W BELL ST	HOUSTON	TX	77019-4437	506 W	BELL ST	HOUSTON	TX	77019
0570360010008	MCCLELLAN MICHAEL & ANNE	504 W BELL ST	HOUSTON	TX	77019-4437	504 W	BELL ST	HOUSTON	TX	77019
0570360010009	CURRENT OWNER	502 W BELL ST	HOUSTON	TX	77019-4437	502 W	BELL ST	HOUSTON	TX	77019
0570360010010	MALIK HUMAIRA	3217 S DECKER LAKE DR	WEST VALLEY	UT	84119-3284	434 W	BELL ST	HOUSTON	UT	77019
0570360010011	SEILER SCOTT PAUL & KARA MARIE	16203 VILLA FONTANA WAY	HOUSTON	TX	77068-3745	432 W	BELL ST	HOUSTON	TX	77019
0570360010012	AHMED SALAR ALI	430 W BELL ST	HOUSTON	TX	77019-4435	430 W	BELL ST	HOUSTON	TX	77019

0571390000002	REED MICHAEL B ET UX	920 DAMON CT	HOUSTON	TX	77006-1331	920 DAMON CT	HOUSTON	TX	77006
0571390000003	BAILEY PAMELA JEAN	914 DAMON CT	HOUSTON	TX	77006-1331	914 DAMON CT	HOUSTON	TX	77006
0571390000004	DINES JUDITH A	810 DAMON CT	HOUSTON	TX	77006-1329	810 DAMON CT	HOUSTON	TX	77006
0571390000005	CHAPMAN HENRY	806 DAMON CT	HOUSTON	TX	77006-1329	806 DAMON CT	HOUSTON	TX	77006
0571390000006	PLETCHER PROPERTIES LLC	915 DAMON	HOUSTON	TX	77006-1330	802 DAMON CT	HOUSTON	TX	77006
0571390000007	UPTON BRIDGET	802 BOMAR ST	HOUSTON	TX	77006-1359	802 BOMAR ST	HOUSTON	TX	77006
0571390000008	OAKLEY JACLYN	805 DAMON CT	HOUSTON	TX	77006-1328	805 DAMON CT	HOUSTON	TX	77006
0571390000009	OLIVIER W CHRISTOPHER	811 DAMON CT	HOUSTON	TX	77006-1328	811 DAMON CT	HOUSTON	TX	77006
0571390000010	MOHAMMADIAN FARID	915 DAMON CT	HOUSTON	TX	77006-1330	915 DAMON CT	HOUSTON	TX	77006
0571390000011	EADES GARY R	919 DAMON CT	HOUSTON	TX	77006-1330	919 DAMON CT	HOUSTON	TX	77006
0571390000012	PELHAM DRIVE LLC	2103 CONVERSE ST	HOUSTON	TX	77006-1901	923 DAMON CT	HOUSTON	TX	77006
0591730000001	BROOKHOUSE INC	1336 W CLAY ST	HOUSTON	TX	77019-4036	1233 WAUGH DR	HOUSTON	TX	77019
0591730000003	PADDY HORANS IRISH PUB INC	2404 PELHAM DR	HOUSTON	TX	77019-3420	1223 WAUGH DR	HOUSTON	TX	77019
0591730000005	RUISINGER MARK L & ANTHONY	1203 WAUGH DR STE 2	HOUSTON	TX	77019-3905	1203 WAUGH DR	HOUSTON	TX	77019
0591730000006	ELMORE ANNA MARIE	11934 SYMPHONY PARK CT	CYPRESS	TX	77433-7339	1119 WAUGH DR 4	HOUSTON	TX	77019
0591730000021	RAIS MEHDI & KATHLEEN	1116 PEVETO ST	HOUSTON	TX	77019-4017	1116 PEVETO ST	HOUSTON	TX	77019
0591730000022	CUTTS DAN	1202 PEVETO ST APT B	HOUSTON	TX	77019-4018	1202 PEVETO ST	HOUSTON	TX	77019
0591730000024	BROOKHOUSE INC	5224 MEMORIAL DR	HOUSTON	TX	77007-8218	1210 PEVETO ST	HOUSTON	TX	77019
0591730000025	BROOKHOUSE INC	5224 MEMORIAL DR	HOUSTON	TX	77007-8218	1336 W CLAY ST	HOUSTON	TX	77019
0591730000026	BROOKHOUSE INC	5224 MEMORIAL DR	HOUSTON	TX	77007-8218	1336 CLAY ST	HOUSTON	TX	77019
0600710010009	M&R LAM LEGACY LLC	15300 CUTTEN RD APT 2301	HOUSTON	TX	77070-3377	804 STANFORD ST	HOUSTON	TX	77019
0600710010010	KOMO LLC	PO BOX 130088	HOUSTON	TX	77219-0088	802 STANFORD ST	HOUSTON	TX	77019
0600710010012	KING AMBER L & BRANDON	20 E 67TH ST	KANSAS CITY	MO	64113-2402	708 STANFORD ST	HOUSTON	MO	77019
0600710010013	GONZALEZ ALENAY	702 STANFORD ST	HOUSTON	TX	77019-2416	702 STANFORD ST	HOUSTON	TX	77019
0600710010014	WATT ASHLEY & CHRISTINA	2011 W MCKINNEY ST	HOUSTON	TX	77019-2409	2011 W MCKINNEY ST	HOUSTON	TX	77019
0600710020002	OZIN 1 LTD	1918 W LAMAR ST	HOUSTON	TX	77019-2603	2008 W MCKINNEY ST	HOUSTON	TX	77019
0600710020003	GATLIN TOMASA	2004 W MCKINNEY ST	HOUSTON	TX	77019-2410	2004 W MCKINNEY ST	HOUSTON	TX	77019
0600710020005	CLARK HALL B JR	618 STANFORD ST	HOUSTON	TX	77019-2414	618 STANFORD ST	HOUSTON	TX	77019
0600710020006	RICHEY ROBERT JASON	614 STANFORD ST	HOUSTON	TX	77019-2414	614 STANFORD ST	HOUSTON	TX	77019
0600710020007	RICHEY ROBERT J & JOANN POU	614 STANFORD ST	HOUSTON	TX	77019-2414	612 STANFORD ST	HOUSTON	TX	77019
0600710020009	CALF CREEK PARTNERS LLC	2017 BUFFALO TER	HOUSTON	TX	77019-2421	2017 BUFFALO TER	HOUSTON	TX	77019
0600710020010	AYRSHIRE CORP	2028 BUFFALO TER	HOUSTON	TX	77019-2408	2025 BUFFALO TER	HOUSTON	TX	77019
0600710020011	AYRSHIRE CORP	2028 BUFFALO TER	HOUSTON	TX	77019-2408	2031 BUFFALO TER	HOUSTON	TX	77019
0600710020021	ROBERTSON DALE & DEBORAH	2000 W MCKINNEY ST	HOUSTON	TX	77019-2410	2000 W MCKINNEY ST	HOUSTON	TX	77019

0600710030001	AYRSHIRE CORP	2028 BUFFALO TER	HOUSTON	TX	77019-2408	2032 BUFFALO TER	HOUSTON	TX	77019
0600710030002	AYRSHIRE CORPORATION	2028 BUFFALO TER	HOUSTON	TX	77019-2408	2028 BUFFALO TER	HOUSTON	TX	77019
0600710030003	CURRENT OWNER	2024 BUFFALO TERRACE	HOUSTON	TX	77019-2408	2024 BUFFALO TER	HOUSTON	TX	77019
0600710030004	THANG JAMES N	2132 ALBANS RD	HOUSTON	TX	77005-1518	2020 BUFFALO TER	HOUSTON	TX	77019
0600710030005	SHERRY BAKER CLARK TRUST	417 BENDWOOD DR	HOUSTON	TX	77024-8810	2016 BUFFALO TER	HOUSTON	TX	77019
0600710030011	HOUSTON PARKS BOARD	300 N POST OAK LN	HOUSTON	TX	77024-5904	0 ALLEN PKY	HOUSTON	TX	77019
0600710030020	AYRSHIRE CORP	2028 BUFFALO TER	HOUSTON	TX	77019-2408	0 ALLEN PKY	HOUSTON	TX	77019
0600710030030	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0600720040001	DASK ASSOCIATES LLC	614 ASBURY ST # A	HOUSTON	TX	77007-5143	1976 W DALLAS ST	HOUSTON	TX	77019
0600720040002	DAVIS AARON & HUICHUN	8836 LARSTON ST	HOUSTON	TX	77055-4737	1972 W DALLAS ST	HOUSTON	TX	77019
0600720040003	MYERSON DAVID	219 HOGAN ST	HOUSTON	TX	77009-8316	1968 W DALLAS ST	HOUSTON	TX	77019
0600720040004	DOMALAKES DAVID	219 HOGAN ST	HOUSTON	TX	77009-8316	1964 W DALLAS ST	HOUSTON	TX	77019
0600720040005	SCHWARZ DENNIS M	3627 N BRAESWOOD BLVD	HOUSTON	TX	77025-2524	1960 W DALLAS ST	HOUSTON	TX	77019
0600720040006	1954 W DALLAS LLC	2450 LOUISIANA ST STE 339	HOUSTON	TX	77006-2380	1954 DALLAS ST	HOUSTON	TX	77019
0600720040007	STONE NELSON	1604 PLANTATION DR	ALEXANDRIA	LA	71301-3224	1950 W DALLAS ST	HOUSTON	LA	77019
0600720040011	RAYAAN ENTERPRISE LLC	1308 S 24TH 1/2 ST	NEDERLAND	TX	77627-6259	0 W DALLAS ST	HOUSTON	TX	77019
0600720040012	RAYAAN ENTERPRISE LLC	1308 S 24TH 1/2 ST	NEDERLAND	TX	77627-6259	1930 W DALLAS ST	HOUSTON	TX	77019
0600720040013	PRESTIGE REAL ESTATE INC	5755 CHEENA DR	HOUSTON	TX	77096-5911	1926 W DALLAS ST	HOUSTON	TX	77019
0600720040014	CONELY MARK	PO BOX 131053	HOUSTON	TX	77219-1053	1922 W DALLAS ST	HOUSTON	TX	77019
0600720040015	TRIPATHI ASHISH & TEANG	6325 MASONIC DR	ALEXANDRIA	LA	71301-2318	1918 W DALLAS ST	HOUSTON	LA	77019
0600720040016	BOYCE BEVERLY	1912 W DALLAS ST	HOUSTON	TX	77019-4599	1912 W DALLAS ST	HOUSTON	TX	77019
0600720040017	SHAHDA JOSEPH	PO BOX 66613	HOUSTON	TX	77266-6613	1910 W DALLAS ST	HOUSTON	TX	77019
0600720040018	TEMPLE TERRACE SI LLC	PO BOX 66613	HOUSTON	TX	77266-6613	1908 W DALLAS ST	HOUSTON	TX	77019
0600720040019	TEMPLE TERRACE SI LLC	PO BOX 66613	HOUSTON	TX	77266-6613	1904 W DALLAS ST	HOUSTON	TX	77019
0600720040020	TEMPLE TERRACE SI LLC	PO BOX 66613	HOUSTON	TX	77266-6613	1901 W LAMAR ST	HOUSTON	TX	77019
0600720040021	WLAMAR INC	4902 TAMARISK ST	BELLAIRE	TX	77401-2824	1907 W LAMAR ST	HOUSTON	TX	77019
0600720040022	SAW CAPITAL LLC 1909 W LAMAR SERIES	2 BUCKINGHAM CT	HOUSTON	TX	77024-2754	1909 W LAMAR ST	HOUSTON	TX	77019
0600720040023	MOORE TERRY J	1915 W LAMAR ST	HOUSTON	TX	77019-2602	1913 W LAMAR ST	HOUSTON	TX	77019
0600720040024	WILSON MARK R & ALEJANDRA	PO BOX 1152	COOKEVILLE	TN	38503-1152	1917 LAMAR ST	HOUSTON	TN	77019
0600720040025	CONELY MARK E	1923 W LAMAR ST	HOUSTON	TX	77019-2624	1923 W LAMAR ST	HOUSTON	TX	77019
0600720040026	CROIX CUSTOM HOMES INC	1927 W LAMAR ST	HOUSTON	TX	77019-2602	1927 W LAMAR ST	HOUSTON	TX	77019
0600720040027	CROIX CUSTOM HOMES INC	1931 W LAMAR ST	HOUSTON	TX	77019-2649	1931 W LAMAR ST	HOUSTON	TX	77019
0600720040029	CIZIK PAULA J &	1935 W LAMAR ST	HOUSTON	TX	77019-2602	1935 W LAMAR ST	HOUSTON	TX	77019
0600720040030	KNOLL LEO	1941 W LAMAR ST	HOUSTON	TX	77019-2602	1941 W LAMAR ST	HOUSTON	TX	77019

0600720040031	SCHESCKE KAREN R	1945 W LAMAR ST	HOUSTON	TX	77019-2602	1945 W	LAMAR ST	HOUSTON	TX	77019
0600720040032	TAYLOR RALPH THOMAS	1951 W LAMAR ST	HOUSTON	TX	77019-2602	1951 W	LAMAR ST	HOUSTON	TX	77019
0600720040033	TOWNSEND KIM A	1953 W LAMAR ST	HOUSTON	TX	77019-2602	1953 W	LAMAR ST	HOUSTON	TX	77019
0600720040034	REZAVEISI MOHSEN	1959 W LAMAR ST	HOUSTON	TX	77019-2638	1959	LAMAR ST	HOUSTON	TX	77019
0600720040035	RICE FAMILY TRUST	4519 TEAS ST	BELLAIRE	TX	77401-4222	1965 W	LAMAR ST	HOUSTON	TX	77019
0600720040036	HOLZER JOE C	2516 INWOOD DR	HOUSTON	TX	77019-3314	1971 W	LAMAR ST	HOUSTON	TX	77019
0600720040037	CAIN IAN & FENNHAHN GARY K	1973 W LAMAR ST	HOUSTON	TX	77019-2602	1973 W	LAMAR ST	HOUSTON	TX	77019
0600720040039	MAESO PATRICIA A	1933 W LAMAR ST	HOUSTON	TX	77019-2602	1933 W	LAMAR ST	HOUSTON	TX	77019
0600720050001	OTIS V BREWER JR TRUST	1976 W LAMAR ST	HOUSTON	TX	77019-2603	1976 W	LAMAR ST	HOUSTON	TX	77019
0600720050002	HOLZER JOE C	2516 INWOOD DR	HOUSTON	TX	77019-3314	1972 W	LAMAR ST	HOUSTON	TX	77019
0600720050003	BARELAS GILBERT G	1970 W LAMAR ST	HOUSTON	TX	77019-2641	1970 W	LAMAR ST	HOUSTON	TX	77019
0600720050004	JONES NICHOLAS A	1964 W LAMAR ST	HOUSTON	TX	77019-2603	1964	LAMAR ST	HOUSTON	TX	77019
0600720050005	JONES MARTHA C & ROBERT A	1960 W LAMAR ST	HOUSTON	TX	77019-2603	1960 W	LAMAR ST	HOUSTON	TX	77019
0600720050006	CONELY MARK	PO BOX 131053	HOUSTON	TX	77219-1053	1956	LAMAR ST	HOUSTON	TX	77019
0600720050007	DEVRIES-CONELY LAURA	1948 W LAMAR ST	HOUSTON	TX	77019-2603	1948 W	LAMAR ST	HOUSTON	TX	77019
0600720050009	CUNNINGHAM BRITTAIN C	1942 W LAMAR ST	HOUSTON	TX	77019-2603	1942 W	LAMAR ST	HOUSTON	TX	77019
0600720050010	HOEFNER MARK L	1938 W LAMAR ST	HOUSTON	TX	77019-2603	1938 W	LAMAR ST	HOUSTON	TX	77019
0600720050011	BASDEN CAROLYN C	1936 W LAMAR ST	HOUSTON	TX	77019-2643	1936 W	LAMAR ST	HOUSTON	TX	77019
0600720050012	NOLK MONIQUE J	1930 W LAMAR ST	HOUSTON	TX	77019	1930 W	LAMAR	HOUSTON	TX	77019
0600720050013	MULLALLY JULIE W & MICHAEL	1928 W LAMAR ST	HOUSTON	TX	77019-2603	1928 W	LAMAR ST	HOUSTON	TX	77019
0600720050014	SCAVONE CASEY E & CHRISTOPHER C	1924 W LAMAR ST	HOUSTON	TX	77019-2603	1924 W	LAMAR ST	HOUSTON	TX	77019
0600720050015	LANDRY GREGORY & CYNTHIA	1920 W LAMAR ST	HOUSTON	TX	77019-2603	1920 W	LAMAR ST	HOUSTON	TX	77019
0600720050016	CURRENT OWNER	1918 W LAMAR ST	HOUSTON	TX	77019-2603	1918 W	LAMAR ST	HOUSTON	TX	77019
0600720050017	SNOW NANCY W	1908 W LAMAR ST	HOUSTON	TX	77019-2603	1908 W	LAMAR ST	HOUSTON	TX	77019
0600720050019	FISHER JOE J JR	1902 W LAMAR ST	HOUSTON	TX	77019-2603	1902 W	LAMAR ST	HOUSTON	TX	77019
0600720050020	TAFT BUILDING I LLC	800 TAFT ST	HOUSTON	TX	77019-2612	800	TAFT ST	HOUSTON	TX	77019
0600720050021	KENNEY GREGORY	212 BLANCO DR	WIMBERLEY	TX	78676-5201	1907 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050022	BALLARD EXPLORATION COMPANY INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1911 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050023	TWM MCK LLC	7603 MEADOWGLEN LN	HOUSTON	TX	77063-4809	1913 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050024	MCCALLUM WILLIAM	1917 W MCKINNEY ST	HOUSTON	TX	77019-2604	1919 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050025	MATUS ERIC & ALLYSON	1921 W MCKINNEY	HOUSTON	TX	77019-2604	1921 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050026	KEELAND BURDETTE W	5230 MEADOW LANDING	SUGAR LAND	TX	77479-4293	1925 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050027	JOHNSON DAVID A	8415 ACADEMY ST	HOUSTON	TX	77025-2901	1931 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050028	WISTNER SARAH KATHLEEN	1935 W MCKINNEY ST	HOUSTON	TX	77019-2604	1935	MCKINNEY ST	HOUSTON	TX	77019

0600720050029	CASH LEE A	4218 MARKHAM ST	HOUSTON	TX	77027-6325	1937 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050030	JONES ROBERT A	1960 W LAMAR ST	HOUSTON	TX	77019-2603	1943 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050031	BALLARD EXPLORATION COMPANY INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1947 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050032	EDGERTON ZACH K	1949 W MCKINNEY ST	HOUSTON	TX	77019-2604	1949 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050033	KNEISLER BARBARA D	1951 W MCKINNEY ST	HOUSTON	TX	77019-2604	1951 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050034	BAAKLINI SAMIH A & DOLLY	1955 W MCKINNEY ST	HOUSTON	TX	77019-2628	1955 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050035	SOLIS JUAN A	1959 W MCKINNEY ST	HOUSTON	TX	77019	1959	MCKINNEY ST	HOUSTON	TX	77010
0600720050036	ANTHONY TIMOTHY A	1963 W MCKINNEY ST	HOUSTON	TX	77019-2604	1963 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050037	DECKER GREGORY A	1971 W MCKINNEY ST	HOUSTON	TX	77019-2604	1971 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050038	MATLOCK ROBERT	1973 W MCKINNEY ST	HOUSTON	TX	77019-2604	1973 W	MCKINNEY ST	HOUSTON	TX	77019
0600720050039	WIJNHAVEN LLC	1979 W MCKINNEY ST	HOUSTON	TX	77019-2635	1979 W	MCKINNEY ST	HOUSTON	TX	77019
0600720060001	CASH LEE A	4234 WHITMAN	HOUSTON	TX	77027-6338	1976 W	MCKINNEY ST	HOUSTON	TX	77019
0600720060002	CASH LEE A	4234 WHITMAN ST	HOUSTON	TX	77027-6338	1972 W	MCKINNEY ST	HOUSTON	TX	77019
0600720060003	LEE ANTHONY CASH 2018 SEPERATE TRUST	4234 WHITMAN	HOUSTON	TX	77027-6338	1968 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070001	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1942 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070003	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1938 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070004	CASH LEE A	4234 WHITMAN	HOUSTON	TX	77027-6338	1934 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070005	COLEMAN PAUL C	1930 W MCKINNEY ST	HOUSTON	TX	77019-2601	1930 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070006	BALLARD EXPLORATION CO INC	1021 MAIN ST	HOUSTON	TX	77002-6502	1926 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070007	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1916 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070009	CURRENT OWNER	1912 W MCKINNEY ST	HOUSTON	TX	77019-2601	1912 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070010	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1910 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070011	BALAR EXPLORATION COMPANY INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1906 W	MCKINNEY ST	HOUSTON	TX	77019
0600720070012	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	710	TAFT ST	HOUSTON	TX	77019
0600720070013	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1903 W	WALKER ST	HOUSTON	TX	77019
0600720070015	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	1913 W	WALKER ST	HOUSTON	TX	77019
0600720070019	ANTINA CAPITAL LTD	1914 W MCKINNEY ST # B	HOUSTON	TX	77019-2636	1921 W	WALKER ST	HOUSTON	TX	77019
0600720070020	SPICKELMIER LY T	1925 W WALKER ST	HOUSTON	TX	77019-2630	1925 W	WALKER ST	HOUSTON	TX	77019
0600720080001	INVESTMENT CAPITAL CORP	1929 ALLEN PRKWY	HOUSTON	TX	77019	0		HOUSTON	TX	
0600720080002	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY STE 458	HOUSTON	TX	77019-2506	1929	ALLEN PKY	HOUSTON	TX	77019
0600720080003	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY	HOUSTON	TX	77019-2506	1929	ALLEN PKY	HOUSTON	TX	77019
0600720080004	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY STE 458	HOUSTON	TX	77019-2506	1929	ALLEN PKY	HOUSTON	TX	77019
0600720080005	INVESTMENT CAPITAL CORP	PO BOX 130548	HOUSTON	TX	77219-0548	1916 W	WALKER ST	HOUSTON	TX	77019
0600720080006	INVESTMENT CAPITAL CORP	PO BOX 130548	HOUSTON	TX	77219-0548	1910 W	WALKER ST	HOUSTON	TX	77019

0600720080007	LYONS THOMAS R	PO BOX 130548	HOUSTON	TX	77219-0548	1904 W WALKER ST	HOUSTON	TX	77019
0600720080009	INVESTMENT CAPITAL CORP	PO BOX 130548	HOUSTON	TX	77219-0548	0 TAFT ST	HOUSTON	TX	77019
0600720080012	INVESTMENT CAPITAL CORP	PO BOX 130548	HOUSTON	TX	77219-0548	0 BUFFALO TER	HOUSTON	TX	77019
0600720080013	INVESTMENT CAPITAL CORP	1929 ALLEN PRKWY	HOUSTON	TX	77019	0	HOUSTON	TX	
0600720080014	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY	HOUSTON	TX	77019-2506	1929 ALLEN PKY	HOUSTON	TX	77019
0600720080015	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY	HOUSTON	TX	77019-2506	1929 ALLEN PKY	HOUSTON	TX	77019
0600720080016	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY STE 458	HOUSTON	TX	77019-2506	1929 ALLEN PKY	HOUSTON	TX	77019
0600720090003	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY	HOUSTON	TX	77019-2506	1929 ALLEN PKY	HOUSTON	TX	77019
0600720090009	INVESTMENT CAPITAL CORP	PO BOX 130548	HOUSTON	TX	77219-0548	1919 ALLEN PKWY	HOUSTON	TX	77019
0600720090020	INVESTMENT CAPITAL CORP	1929 ALLEN PKWY	HOUSTON	TX	77019-2506	1929 ALLEN PKY	HOUSTON	TX	77019
0600720090022	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ALLEN PKY	HOUSTON	TX	77019
0600720100002	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	501 TAFT ST	HOUSTON	TX	77019
0600720100004	BALLARD EXPLORATION CO INC	1021 MAIN ST STE 2310	HOUSTON	TX	77002-6506	601 TAFT ST	HOUSTON	TX	77019
0600720100014	TAFT VENTURE LTD	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	807 TAFT ST	HOUSTON	TX	77019
0600720100016	TAFT VENTURE LTD	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	809 TAFT ST	HOUSTON	TX	77019
0600720100017	ALLEN ANNA M	13403 BLACKBIRD DR	CYPRESS	TX	77429-3181	903 TAFT ST	HOUSTON	TX	77019
0600720100018	TAFT VENTURE LTD	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	901 TAFT ST	HOUSTON	TX	77019
0600720110001	SCI CAPITAL HOLDINGS INC % SERVICE CORPOF	1929 ALLEN PKWY	HOUSTON	TX	77019-2506	1945 ALLEN PKY	HOUSTON	TX	77019
0600720120001	SCI CAPITAL HOLDINGS INC ET AL	1929 ALLEN PKWY	HOUSTON	TX	77019	0 TEMPLE DR	HOUSTON	TX	77019
0600720130001	ACIERNO RONALD	710 STANFORD ST UNIT C	HOUSTON	TX	77019-2431	710 STANFORD ST #C	HOUSTON	TX	77019
0600720130002	ARZU CHARLES R	710 STANFORD ST UNIT B	HOUSTON	TX	77019-2431	710 STANFORD ST #B	HOUSTON	TX	77019
0600720130003	JOBE WILLIAM	710 STANFORD ST UNIT A	HOUSTON	TX	77019-2431	710 STANFORD ST	HOUSTON	TX	77019
0600720140001	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	1946 W DALLAS ST	HOUSTON	TX	77019
0600720140002	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0600720140003	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0600720140004	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0600720140005	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0600720140006	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0600720140007	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	1938 W DALLAS ST	HOUSTON	TX	77019
0600720140008	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0600720140009	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0600720140010	TEXAS ATECH LLC ETAL	4116 BLACKBERRY LN	PORT ARTHUF	TX	77642-7209	0 W DALLAS ST	HOUSTON	TX	77019
0631620000001	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	519 WAGNER ST	HOUSTON	TX	77007
0631620000002	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	517 WAGNER ST	HOUSTON	TX	77007

0631620000003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	515 WAGNER ST	HOUSTON	TX	77007
0631620000004	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	513 WAGNER ST	HOUSTON	TX	77007
0631620000005	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	511 WAGNER ST	HOUSTON	TX	77007
0631620000006	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WAGNER ST	HOUSTON	TX	77007
0631620000007	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WAGNER ST	HOUSTON	TX	77007
0631620000008	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WAGNER ST	HOUSTON	TX	77007
0640030020001	NORDSTRAND CARL H	905 KIRBY DR	HOUSTON	TX	77019-1505	3229 DAMICO ST	HOUSTON	TX	77019
0640030020004	ADAMS JOSEPH	717 ROCHOW ST	HOUSTON	TX	77019-1927	717 ROCHOW ST	HOUSTON	TX	77019
0640030030001	DUHON MICHAEL A & NAN	650 SIMON AVE	NEW BRAUNF	TX	78130-4633	3227 LEONIDAS ST	HOUSTON	TX	77019
0640030040001	FEIGHTNER RHONDA JEANNE &	911 ROCHOW ST	HOUSTON	TX	77019-1931	911 ROCHOW ST	HOUSTON	TX	77019
0641410010013	SPARROWHAWK NEST LLC	1800 WEST LOOP SOUTH STE 1650	HOUSTON	TX	77027-3249	1414 W CLAY ST	HOUSTON	TX	77019
0641410020001	HOUSTON AREA WOMENS CENTER	1010 WAUGH DR	HOUSTON	TX	77019-3902	1017 ROSINE ST	HOUSTON	TX	77019
0641410020008	SPARROWHAWK NEST LLC	1800 WEST LOOP SOUTH STE 1650	HOUSTON	TX	77027-3249	1217 ROSINE ST	HOUSTON	TX	77019
0641410020009	SPARROWHAWK NEST LLC	1800 WEST LOOP SOUTH STE 1650	HOUSTON	TX	77027-3249	1414 W CLAY ST	HOUSTON	TX	77019
0642300010010	BARKO JOSEPHINE F CARONNA	1216 LARUE ST	HOUSTON	TX	77019-4125	1215 JOE ANNIE ST	HOUSTON	TX	77019
0642300010012	BARKO-CARONNA JOSEPHINE FRANCES	1216 LARUE ST	HOUSTON	TX	77019-4125	1242 CLAY ST	HOUSTON	TX	77019
0642300020004	GIULIAN JAMES R &	1103 PEVETO ST	HOUSTON	TX	77019-4016	1103 PEVETO ST	HOUSTON	TX	77019
0642300020006	ROBINSON DONALD % DONALD ROBINSON RE\	1111 PEVETO ST	HOUSTON	TX	77019-4016	1111 PEVETO ST	HOUSTON	TX	77019
0642300020011	MUSEUM PRINTING HISTORY	2429 BISSONETT ST NO 615	HOUSTON	TX	77005-1451	0 PEVETO	HOUSTON	TX	77019
0642300020012	1324 W CLAY L L C	2429 BISSONNET ST NO 615	HOUSTON	TX	77005-1451	1324 W CLAY ST	HOUSTON	TX	77019
0642300020014	1324 W CLAY L L C	2429 BISSONNET ST NO 615	HOUSTON	TX	77005-1451	1324 W CLAY ST	HOUSTON	TX	77019
0642300020016	HARLOW DISTRICT LLC	2429 BISSONNET ST #615	HOUSTON	TX	77005-1451	1214 JOE ANNIE ST	HOUSTON	TX	77019
0642300020017	CARMAN ROBERT & ANITA	1212 JOE ANNIE ST	HOUSTON	TX	77019-4013	1212 JOE ANNIE ST	HOUSTON	TX	77019
0642300020020	CASH LEE ANTHONY	4234 WHITMAN ST	HOUSTON	TX	77027-6338	1114 JOE ANNIE ST #6	HOUSTON	TX	77019
0642300020024	COOKE ROBERT E & ROBIN	1210 JOE ANNIE ST	HOUSTON	TX	77019-4013	1210 JOE ANNIE ST	HOUSTON	TX	77019
0642300020025	MATZNER LLOYD & MARLENE	1208 JOE ANNIE ST	HOUSTON	TX	77019-4013	1208 JOE ANNIE ST	HOUSTON	TX	77019
0642300020026	SCHEPS PHILIP & MARY	1206 JOE ANNIE ST	HOUSTON	TX	77019-4013	1206 JOE ANNIE ST	HOUSTON	TX	77019
0642300020027	RUDISILL HENRY C	1204 JOE ANNIE ST	HOUSTON	TX	77019-4013	1204 JOE ANNIE ST	HOUSTON	TX	77019
0642300020028	HARPER JUDITH	1202 JOE ANNIE ST	HOUSTON	TX	77019-4013	1202 JOE ANNIE ST	HOUSTON	TX	77019
0730810020006	COLLINS MARCY & MARVIN N	1506 W CLAY ST	HOUSTON	TX	77019-4914	1506 W CLAY ST	HOUSTON	TX	77019
0730810020007	BEARDEN RONALD F & REBECCA	1504 W CLAY ST	HOUSTON	TX	77019-4914	1504 W CLAY ST	HOUSTON	TX	77019
0730810020008	SMITH DEAN A & DONNA E	1502 W CLAY ST	HOUSTON	TX	77019-4914	1502 W CLAY ST	HOUSTON	TX	77019
0730810030012	ANBIL II R O LP	4 WEST RED OAK LANE STE 107	WEST HARRIS	NY	10604-3603	1501 W CLAY ST	HOUSTON	NY	77019
1170070010001	ANBIL II-R O LP	4 WEST RED OAK LANE STE 107	WEST HARRIS	NY	10604-3603	1422 W GRAY ST	HOUSTON	NY	77019

1170070020001	ANBIL II-R O LP	4 WEST RED OAK LANE STE 107	WEST HARRIS	NY	10604-3603	1414 WAUGH DR	HOUSTON	NY	77019
1179630010001	BUEL COURT HOA % JOAN ROWLAND	6 BUELL CT	HOUSTON	TX	77006-1410	6 BUELL CT	HOUSTON	TX	77006
1179630010002	ROE GARTH A	406 BOMAR ST	HOUSTON	TX	77006-1405	406 BOMAR ST	HOUSTON	TX	77006
1179630010003	GARCIA ALEXANDER OWENS	414 BOMAR ST	HOUSTON	TX	77006-1405	414 BOMAR ST	HOUSTON	TX	77006
1179630010004	HOHMAN ALEXANDER M	7 BUELL CT	HOUSTON	TX	77006-1410	7 BUELL CT	HOUSTON	TX	77006
1179630010005	ZUFALL REBECCA	6 BUELL CT	HOUSTON	TX	77006-1410	6 BUELL CT	HOUSTON	TX	77006
1179630010006	MCDANIEL CHARLES LEON	PO BOX 131436	HOUSTON	TX	77219-1436	3 BUELL CT	HOUSTON	TX	77006
1179630010007	PHILLIPS SUSAN	1 BUELL CT	HOUSTON	TX	77006-1410	1 BUELL CT	HOUSTON	TX	77006
1179630010008	LITTLEPAGE 006 HOLDINGS LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	5 BUELL CT	HOUSTON	TX	77006
1188350010001	CURRENT OWNER	3007 STANTON ST	HOUSTON	TX	77025-2630	2002 BUFFALO TER	HOUSTON	TX	77019
1188350010002	GOLDBERG NATALIE R	2004 BUFFALO TER	HOUSTON	TX	77019-2408	2004 BUFFALO TER	HOUSTON	TX	77019
1188350010003	DENZ ALEXIS	2006 BUFFALO TER	HOUSTON	TX	77019-2408	2006 BUFFALO TER	HOUSTON	TX	77019
1188350010004	CURRENT OWNER	2008 BUFFALO TERRACE	HOUSTON	TX	77019-2408	2008 BUFFALO TER	HOUSTON	TX	77019
1188350010005	ESSIEN NKOYO M	2010 BUFFALO TER	HOUSTON	TX	77019-2408	2010 BUFFALO TER	HOUSTON	TX	77019
1188350010006	SALINAS JESUS F	2012 BUFFALO TER	HOUSTON	TX	77019-2408	2012 BUFFALO TER	HOUSTON	TX	77019
1188350010007	HATAMI RAMIN J	125 CORAL BAY DR	LEAGUE CITY	TX	77573-6905	2001 ALLEN PKY	HOUSTON	TX	77019
1188350010008	DEVINE CONNIE	2003 ALLEN PKWY	HOUSTON	TX	77019-2401	2003 ALLEN PKY	HOUSTON	TX	77019
1188350010009	HATAMI RAMIN J	2829 NOLTE TOSCANO	LEAGUE CITY	TX	77573-3394	2005 ALLEN PKY	HOUSTON	TX	77019
1188350010010	PETERSON ERIC K	2007 ALLEN PKWY	HOUSTON	TX	77019-2401	2007 ALLEN PKY	HOUSTON	TX	77019
1188350010011	REININGER ERIC L	PO BOX 66490	HOUSTON	TX	77266-6490	2009 ALLEN PKY	HOUSTON	TX	77019
1188350010012	BUFFALO BAYOU JV	2012 BUFFALO TER	HOUSTON	TX	77019-2408	0 STANFORD ST	HOUSTON	TX	77019
1188350010013	BUFFALO BAYOU JV	2012 BUFFALO TER	HOUSTON	TX	77019-2408	0 STANFORD ST	HOUSTON	TX	77019
1188350010014	BUFFALO BAYOU JV	2012 BUFFALO TER	HOUSTON	TX	77019-2408	0 STANFORD ST	HOUSTON	TX	77019
1188350010015	BUFFALO BAYOU JV	2012 BUFFALO TER	HOUSTON	TX	77019-2408	0 STANFORD ST	HOUSTON	TX	77019
1188350010016	BUFFALO BAYOU JV	2012 BUFFALO TER	HOUSTON	TX	77019-2408	0 STANFORD ST	HOUSTON	TX	77019
1193310010001	ROUNDY PETER E & KARI	3200 W LAMAR # 1	HOUSTON	TX	77019-1968	3200 W LAMAR ST	HOUSTON	TX	77019
1193310010002	GREENBERG LEWIS & LAURIE M	3222 W LAMAR ST	HOUSTON	TX	77019	3222 W LAMAR ST APT 2	HOUSTON	TX	77019
1193310010003	PRYOR JUDITH ANNE	3200 W LAMAR ST APT 3	HOUSTON	TX	77019-1968	3200 W LAMAR ST	HOUSTON	TX	77019
1193310010004	ANDERSON THOMAS III	P O BOX 56066	HOUSTON	TX	77256-6066	3222 W LAMAR ST	HOUSTON	TX	77019
1193310010005	MILES EDWARD R	3200 W LAMAR ST APT 5	HOUSTON	TX	77019-1968	3222 W LAMAR ST	HOUSTON	TX	77019
1193310010006	BROUSSARD GREGORY J	2310 SAXON DR	HOUSTON	TX	77018-4642	3222 W LAMAR ST	HOUSTON	TX	77019
1193310010007	HOVAS JENNIFER	1840 LAUREL CANYON BLVD	LOS ANGELES	CA	90046-2029	3200 W LAMAR ST	HOUSTON	CA	77019
1193310010008	LARGE BELINDA P	3200 W LAMAR ST APT 8	HOUSTON	TX	77019-1968	3222 W LAMAR ST	HOUSTON	TX	77019
1193310010009	KIDD ALBERT & ELIZABETH	3200 W LAMAR ST APT 9	HOUSTON	TX	77019-1968	3222 W LAMAR ST	HOUSTON	TX	77019

1193310010010	ROTONDI FRANK L	3200 W LAMAR ST APT 10	HOUSTON	TX	77019-1968	3222 W LAMAR ST	HOUSTON	TX	77019
1193310010011	PULS THOMAS B II	3200 W LAMAR ST	HOUSTON	TX	77019-1967	3200 W LAMAR ST	HOUSTON	TX	77019
1193310010012	HARDIN SUZANNE H	3200 W LAMAR ST APT 12	HOUSTON	TX	77019-1968	3200 W LAMAR ST	HOUSTON	TX	77019
1193310010013	STRAM BRUCE N & MARY K	3200 W LAMAR ST APT 13	HOUSTON	TX	77019-1968	3200 W LAMAR ST	HOUSTON	TX	77019
1193310010014	DAN A POLK	3200 W LAMAR ST APT 14	HOUSTON	TX	77019-1968	3200 W LAMAR ST	HOUSTON	TX	77019
1194960010001	BEL AIR VIV LLC	2800 N DALLAS PKWY STE 101	PLANO	TX	75093-5994	2210 W DALLAS ST 380	HOUSTON	TX	77019
1194960010002	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 W DALLAS ST	HOUSTON	TX	77019
1199820010001	SHEETS WILLIAM W	3342 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8313	3342 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820010002	SHEEHAN J SCOTT & HELEN H	3346 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3346 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820010003	BAUMEISTER JEROME M & KATHRYN A	3402 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8350	3402 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820010004	STAINBACK BARBARA	3406 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8350	3406 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820010005	SUMMEROUR ALEX H & DONNA S	3410 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8350	3410 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820010006	HUDSPETH DAVID THOMAS & STACEY JEWEL	3414 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8350	3414 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820010007	GLENN LAWRENCE E & ANNA L	402 PARK TRAIL LN	HOUSTON	TX	77007-8378	402 PARK TRAIL LN	HOUSTON	TX	77007
1199820010008	MALONE SHERI M	406 PARK TRAIL LN	HOUSTON	TX	77007	406 PARK TRAIL LN	HOUSTON	TX	77007
1199820010009	HUBER LEE M	410 PARK TRAIL LN	HOUSTON	TX	77007	410 PARK TRAIL LN	HOUSTON	TX	77007
1199820010010	HAWILA MAIA L	414 PARK TRAIL LN	HOUSTON	TX	77007	414 PARK TRAIL LN	HOUSTON	TX	77007
1199820010011	CARR GARRY L & PAMELA C	418 PARK TRAIL LN	HOUSTON	TX	77007	418 PARK TRAIL LN	HOUSTON	TX	77007
1199820010012	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007
1199820020001	PHAM MICHAEL D & TIFFANY S	3423 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3423 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820020002	WEBER JACKE E & JOAN G	3419 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8314	3419 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820020003	WILSON PAMELA D	3415 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3415 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820020004	BROWN KENNETH & DEBORAH	3411 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8314	3411 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820020005	LYON HERBERT L	3407 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3407 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820020006	HUMBLE DERAL T	315 GRAND VIEW TER	HOUSTON	TX	77007	315 GRAND VIEW TER	HOUSTON	TX	77007
1199820020007	BEIRNE MARTIN D III & MARY M	10014 INWOOD DR	HOUSTON	TX	77042-2438	311 GRAND VIEW TER	HOUSTON	TX	77007
1199820020008	CAVAZOS REBECA E	307 GRAND VIEW TER	HOUSTON	TX	77007	307 GRAND VIEW TER	HOUSTON	TX	77007
1199820020009	WARREN MARVIN E	303 GRAND VIEW TER	HOUSTON	TX	77007	303 GRAND VIEW TER	HOUSTON	TX	77007
1199820020010	WITTMAN JENNIFER R	3422 BAYOU MEADOW LN	HOUSTON	TX	77007	3422 BAYOU MEADOW LN	HOUSTON	TX	77007
1199820020011	DINGLE PHILLIP J	PO BOX 131445	HOUSTON	TX	77219-1445	0 PARK TRAIL LN	HOUSTON	TX	77007
1199820020012	GLOOR MICHEL & TARA	318 PARK TRAIL LN	HOUSTON	TX	77007	318 PARK TRAIL LN	HOUSTON	TX	77007
1199820020014	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007
1199820020015	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007
1199820020016	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007

1199820020017	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007
1199820020018	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007
1199820020019	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007
1199820030001	SCHUABLE EDWARD R ESTATE OF	302 GRAND VIEW TER	HOUSTON	TX	77007	302 GRAND VIEW TER	HOUSTON	TX	77007
1199820030002	ASHBY GEARY	306 GRAND VIEW TER	HOUSTON	TX	77007	306 GRAND VIEW TER	HOUSTON	TX	77007
1199820030003	ARMSTRONG RICHARD H & DAWN M	310 GRAND VIEW TERRACE	HOUSTON	TX	77007-8346	310 GRAND VIEW TER	HOUSTON	TX	77007
1199820030004	KOGUTT MARVIN S & MYRA H	314 GRAND VIEW TER	HOUSTON	TX	77007	314 GRAND VIEW TER	HOUSTON	TX	77007
1199820030005	COBURN DALE & MARILYN S	318 GRAND VIEW TER	HOUSTON	TX	77007	318 GRAND VIEW TER	HOUSTON	TX	77007
1199820030006	WITHROW STEVEN L	322 GRAND VIEW TER	HOUSTON	TX	77007	322 GRAND VIEW TER	HOUSTON	TX	77007
1199820030007	BURNAP WALTER S & JANE ANN	3347 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8351	3347 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820030008	HUMBLE KEITH D	3343 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3343 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820030009	KRUSE KRISTIN E	3339 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3339 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820030010	CURRENT OWNER	3335 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3335 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820030011	KAO FAMILY REVOCABLE TRUST	3331 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3331 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820030012	ARAIN HUMA AKRAM	26 CROWN BEND	SUGAR LAND	TX	77498-2524	3327 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820030013	JACOB ELIZABETH	3319 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3319 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820030014	WALKER JOHN HOWARD & ANNE MATHEA	3315 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3315 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820040001	SOOBY MARK	3330 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3330 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820040002	MARSH SUE S	3326 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3326 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820040003	RHEA LORI D	3322 MEMORIAL CREST BLVD	HOUSTON	TX	77007	3322 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820040004	SUMMEROUR ALEX H & DONNA S	3410 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8350	3318 MEMORIAL CREST BLVD	HOUSTON	TX	77007
1199820040005	CREATIVE MANAGEMENT	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PRIVATE STS	HOUSTON	TX	77007
1200370010015	MONTALVO GERARDO SIMON	1111 NORTH LOOP WEST STE 820	HOUSTON	TX	77008-4715	331 S GATE STONE	HOUSTON	TX	77007
1200370010016	ASHTON RICHARD J & CAROLYN H	327 S GATE STONE	HOUSTON	TX	77007-8343	327 S GATE STONE	HOUSTON	TX	77007
1200370010017	WEINBERG STEVEN J	323 S GATE STONE	HOUSTON	TX	77007	323 S GATE STONE	HOUSTON	TX	77007
1200370010018	CURRENT OWNER	319 S GATE STONE	HOUSTON	TX	77007	319 S GATE STONE	HOUSTON	TX	77007
1200370010019	STEVEN A LOPEZ	315 S GATE STONE	HOUSTON	TX	77007	315 S GATE STONE	HOUSTON	TX	77007
1200370010020	MOMIN ASHA & FAISAL	311 S GATE STONE	HOUSTON	TX	77007	311 S GATE STONE	HOUSTON	TX	77007
1200370010021	NESHAN NEY	307 S GATE STONE	HOUSTON	TX	77007	307 S GATE STONE	HOUSTON	TX	77007
1200370020001	CREATIVE MANAGEMENT	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 SOUTH GATE STONE	HOUSTON	TX	77007
1200370020002	CURRENT OWNER	334 S GATE STONE	HOUSTON	TX	77007	334 S GATE STONE	HOUSTON	TX	77007
1200370020003	SCHROEDER ANABELLE	330 S GATE STONE	HOUSTON	TX	77007	330 S GATE STONE	HOUSTON	TX	77007
1200370020004	SANDERS KATHRYN B	326 S GATE STONE	HOUSTON	TX	77007	326 S GATE STONE	HOUSTON	TX	77007
1200370020005	LAKHANI ERSHAN	322 S GATE STONE	HOUSTON	TX	77007	322 S GATE STONE	HOUSTON	TX	77007

1200370020006	SAUCEDA VERONICA	318 S GATE STONE	HOUSTON	TX	77007	318 S GATE STONE	HOUSTON	TX	77007
1200370020007	SAVOIE KAREN	314 S GATE STONE	HOUSTON	TX	77007	314 S GATE STONE	HOUSTON	TX	77007
1200370020008	MOORE MARK D	310 S GATE STONE	HOUSTON	TX	77007	310 S GATE STONE	HOUSTON	TX	77007
1200370020009	SAN MARTIN LUIS E	8300 WYOMING BLVD NE APT 2714	ALBUQUERQU	NM	87113-2173	306 S GATE STONE	HOUSTON	TX	77007
1200370020010	CADENAS JERSON G	302 S GATE STONE	HOUSTON	TX	77007	302 S GATE STONE	HOUSTON	TX	77007
1200370020011	CREATIVE MANAGEMENT	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 STUDEMONT ST	HOUSTON	TX	77007
1200370020012	CREATIVE MANAGEMENT	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 STUDEMONT ST	HOUSTON	TX	77007
1200370020013	CREATIVE MANAGEMENT	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PRIVATE STS	HOUSTON	TX	77007
1202240010001	WANG YUNXIA	1226 CROCKER ST	HOUSTON	TX	77019	1226 CROCKER ST	HOUSTON	TX	77019
1202240010002	DIRKZWAGER JOZINA B	1224 CROCKER ST	HOUSTON	TX	77019	1224 CROCKER ST	HOUSTON	TX	77019
1202240010003	TURNER ALBERT B & ELIZABETH	1222 CROCKER ST	HOUSTON	TX	77019	1222 CROCKER ST	HOUSTON	TX	77019
1202240010004	LENTZ TERRY L	1220 CROCKER ST	HOUSTON	TX	77019	1220 CROCKER ST	HOUSTON	TX	77019
1202240010005	SIMA JINGYUN	1218 CROCKER ST	HOUSTON	TX	77019	1218 CROCKER ST	HOUSTON	TX	77019
1203270010001	PHYSICIAN HOLDING GROUP LLC	810 WAUGH DR STE 200	HOUSTON	TX	77019	810 WAUGH DR	HOUSTON	TX	77019
1204360010002	BEL ESTATES I LLC ET AL	2 INTERNATIONAL PL FL 8	BOSTON	MA	02110-4142	616 MEMORIAL HEIGHTS DR #437	HOUSTON	MA	77007
1204360020003	WALGREEN CO STORE 6857	300 WILMOT RD # MS3101	DEERFIELD	IL	60015-4614	950 STUDEMONT ST	HOUSTON	TX	77007
1204360020004	SHOPS AT MEMORIAL LLC	5868 WESTHEIMER RD STE 531	HOUSTON	TX	77057-5641	920 STUDEMONT	HOUSTON	TX	77007
1204360020005	WINDSOR SIENA LP	600 STUDEMONT ST	HOUSTON	TX	77007-4954	600 STUDEMONT ST #224	HOUSTON	TX	77007
1204550010001	CURRENT OWNER	3225 LEONIDAS ST	HOUSTON	TX	77019	3217 LEONIDAS ST	HOUSTON	TX	77019
1204550010002	CURRENT OWNER	3225 LEONIDAS ST	HOUSTON	TX	77019	3225 LEONIDAS ST	HOUSTON	TX	77019
1204550010004	SHANNON SCOTT	3221 LEONIDAS ST	HOUSTON	TX	77019	3221 LEONIDAS ST	HOUSTON	TX	77019
1205440010001	ALLISON ALBERT R III	PO BOX 130447	HOUSTON	TX	77219-0447	1310 CROCKER ST	HOUSTON	TX	77019
1205440010002	FEIZ-MAHDAVI CYRUS	1312 CROCKER ST	HOUSTON	TX	77019	1312 CROCKER ST	HOUSTON	TX	77019
1208090010001	SHERMAN SAMUEL	827 ROSINE ST	HOUSTON	TX	77019	827 ROSINE ST	HOUSTON	TX	77019
1208090010002	EQUITY TRUST COMPANY	3333 ALLEN PKWY STE 2601	HOUSTON	TX	77019-1850	825 ROSINE ST	HOUSTON	TX	77019
1208090010003	NEAL CHRISTOPHER	823 ROSINE ST	HOUSTON	TX	77019	823 ROSINE ST	HOUSTON	TX	77019
1208090010004	MARCINIAK JAKUB	821 ROSINE ST	HOUSTON	TX	77019	821 ROSINE ST	HOUSTON	TX	77019
1208090010005	HALL DEBORAH KAY	819 ROSINE ST	HOUSTON	TX	77019	819 ROSINE ST	HOUSTON	TX	77019
1208090010006	LAYNE KEVIN B	817 ROSINE ST	HOUSTON	TX	77019	817 ROSINE ST	HOUSTON	TX	77019
1209340010001	BELTE MARY K	1320 TAFT ST	HOUSTON	TX	77019-4542	1320 TAFT ST	HOUSTON	TX	77019
1209340010002	CHATHAMPALLY & MILLER LIVING TRUST	1324 TAFT ST	HOUSTON	TX	77019	1324 TAFT ST	HOUSTON	TX	77019
1209340010003	NANCE JUDITH E	304 W BELL ST	HOUSTON	TX	77019-4433	304 W BELL ST	HOUSTON	TX	77019
1210500000001	3003 MEMORIAL HOUSTON LLC	5214 68TH ST STE 201	LUBBOCK	TX	79424-1523	3003 MEMORIAL CT #380	HOUSTON	TX	77007
1211940010002	ABDULLATIF OSAMA A	647 ELECTRA DR	HOUSTON	TX	77079-6131	1323 W BELL ST	HOUSTON	TX	77019

1212800010001	CLARK STEWART	3330 CROSSPARK PL	HOUSTON	TX	77007	3330 CROSSPARK PL	HOUSTON	TX	77007
1212800010002	XYDAS NICOLAS P & ALLYSON	17306 DESERT OAK CT	SPRING	TX	77379-5541	3326 CROSSPARK PL	HOUSTON	TX	77007
1212800010003	TERANDO JAMES A	3322 CROSSPARK PL	HOUSTON	TX	77007	3322 CROSSPARK PL	HOUSTON	TX	77007
1212800010004	LANGABEER DENISE M	3318 CROSSPARK PL	HOUSTON	TX	77007	3318 CROSSPARK PL	HOUSTON	TX	77007
1212800010005	HENRIQUEZ OSWALDO	3314 CROSSPARK PL	HOUSTON	TX	77007	3314 CROSSPARK PL	HOUSTON	TX	77007
1212800010006	FELKNOR SARAH A	3310 CROSSPARK PL	HOUSTON	TX	77007	3310 CROSSPARK PL	HOUSTON	TX	77007
1212800010007	TRAYLOR KIRBY R	3306 CROSSPARK PLACE	HOUSTON	TX	77007-8368	3306 CROSSPARK PL	HOUSTON	TX	77007
1212800010008	SEWALD CHRISTOPHER J & TINA R	3302 CROSSPARK PL	HOUSTON	TX	77007	3302 CROSSPARK PL	HOUSTON	TX	77007
1212800020001	LEIS JORGE RAUL	503 ARCHWOOD TRL	HOUSTON	TX	77007	503 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020002	JOHANSEN COLLIN R	507 ARCHWOOD TRL	HOUSTON	TX	77007	507 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020003	SCOTT SHARIN G & CHARLES R	511 ARCHWOOD TRL	HOUSTON	TX	77007	511 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020004	GOLDFIELD BARBARA S	515 ARCHWOOD TRL	HOUSTON	TX	77007	515 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020005	CROWE CYNTHIA	519 ARCHWOOD TRL	HOUSTON	TX	77007	519 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020006	BAXT JOHN H & VIRGINIA	523 ARCHWOOD TRL	HOUSTON	TX	77007-1806	523 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020007	STURM KARL V	527 ARCHWOOD TRL	HOUSTON	TX	77007	527 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020008	VAZ EDWARD & JUDY J	531 ARCHWOOD TRL	HOUSTON	TX	77007	531 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020009	ZHAO DAN	535 ARCHWOOD TRL	HOUSTON	TX	77007	535 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020010	CHOI ROBERT K	539 ARCHWOOD TRL	HOUSTON	TX	77007	539 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020011	NYE ALICIA M	543 ARCHWOOD TRL	HOUSTON	TX	77007	543 ARCHWOOD TRL	HOUSTON	TX	77007
1212800020012	GOLDSTEIN CHARLES L & SHEILA A	534 PARK TRAIL LN	HOUSTON	TX	77007	534 PARK TRAIL LN	HOUSTON	TX	77007
1212800020013	IFLAND MICHAEL C & AMY R	9769 OAK POINT DR	HOUSTON	TX	77055-4111	530 PARK TRAIL LN	HOUSTON	TX	77007
1212800020014	SAM SPIVEY FAMILY TRUST	526 PARK TRAIL LN	HOUSTON	TX	77007	526 PARK TRAIL LN	HOUSTON	TX	77007
1212800020015	CHILDRESS SCOTT C & MARTHA A	522 PARK TRAIL LN	HOUSTON	TX	77007	522 PARK TRAIL LN	HOUSTON	TX	77007
1212800020016	KHOWAJA SULTAN ALI & ROSHAN BANO	42 DOROTHEA LN	SUGAR LAND	TX	77479-2447	518 PARK TRAIL LN	HOUSTON	TX	77007
1212800020017	CURRENT OWNER	514 PARK TRAIL LN	HOUSTON	TX	77007	514 PARK TRAIL LN	HOUSTON	TX	77007
1212800020018	TOMJANOVICH RUDY	510 PARK TRAIL LN	HOUSTON	TX	77007	510 PARK TRAIL LN	HOUSTON	TX	77007
1212800020019	GENTLE KIRK & MEG	506 PARK TRAIL LN	HOUSTON	TX	77007	506 PARK TRAIL LN	HOUSTON	TX	77007
1212800020020	BEYER STANLEY C & SHIRLEY A	502 PARK TRAIL LN	HOUSTON	TX	77007-8374	502 PARK TRAIL LN	HOUSTON	TX	77007
1212800020021	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PARK TRAIL LN	HOUSTON	TX	77007
1212800030001	MANZURSERVIN EDUARDO	3403 CREST HILL LN	HOUSTON	TX	77007	3403 CREST HILL LN	HOUSTON	TX	77007
1212800030002	HUGHES CHAD & LEAH	3407 CREST HILL LN	HOUSTON	TX	77007	3407 CREST HILL LN	HOUSTON	TX	77007
1212800030003	EPSTEIN NEAL E & KAREN E	3411 CREST HILL LN	HOUSTON	TX	77007	3411 CREST HILL LN	HOUSTON	TX	77007
1212800030004	TEES ESTELLE	3415 CREST HILL LN	HOUSTON	TX	77007	3415 CREST HILL LN	HOUSTON	TX	77007
1212800030005	LEPLEY JAMES K	3419 CREST HILL LN	HOUSTON	TX	77007	3419 CREST HILL LN	HOUSTON	TX	77007

1212800030006	MOMIN NIDA ZAIB	3423 CREST HILL LN	HOUSTON	TX	77007	3423 CREST HILL LN	HOUSTON	TX	77007
1212800030007	BERA CRISTIN S & WENDY	3427 CREST HILL LN	HOUSTON	TX	77007-8316	3427 CREST HILL LN	HOUSTON	TX	77007
1212800040001	DALE HOLLY J	410 S PARK GRV	HOUSTON	TX	77007	410 S PARK GRV	HOUSTON	TX	77007
1212800040002	ANDERSON BETTY E	1302 WAUGH DR PMB 358	HOUSTON	TX	77019-3908	414 S PARK GRV	HOUSTON	TX	77007
1212800040003	BAXTER JAMES S & DAVIDA A	246 N TRANQUIL PATH DR	SPRING	TX	77380	418 S PARK GRV	HOUSTON	TX	77007
1212800040004	STONE HOWARD K & MICHELLE G	422 S PARK GRV	HOUSTON	TX	77007	422 S PARK GRV	HOUSTON	TX	77007
1212800040005	DUBARD DENISE	502 S PARK GRV	HOUSTON	TX	77007-8380	502 S PARK GRV	HOUSTON	TX	77007
1212800040006	GENTLE KIRK	506 S PARK GRV	HOUSTON	TX	77007	506 S PARK GRV	HOUSTON	TX	77007
1212800040007	LABORNE KEVIN EUGENE	510 S PARK GRV	HOUSTON	TX	77007	510 S PARK GRV	HOUSTON	TX	77007
1212800040008	PARNELL DAVID M	514 S PARK GRV	HOUSTON	TX	77007	514 S PARK GRV	HOUSTON	TX	77007
1212800040009	CURRENT OWNER	518 S PARK GRV	HOUSTON	TX	77007	518 S PARK GRV	HOUSTON	TX	77007
1212800040010	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 SOUTH PARK GRV	HOUSTON	TX	77007
1212800040011	CREATIVE MANAGEMENT COMPANY	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PRIVATE STS	HOUSTON	TX	77007
1213670010001	TOWER JOHN P	605 W POLK ST UNIT B	HOUSTON	TX	77019	605 W POLK ST	HOUSTON	TX	77019
1213670010002	RAMIREZ CARLOS E	605A W POLK ST	HOUSTON	TX	77019	605 W POLK ST	HOUSTON	TX	77019
1214270010001	CURRENT OWNER	1706 MONTROSE BLVD	HOUSTON	TX	77006	1706 MONTROSE BLVD	HOUSTON	TX	77006
1214270010002	CURRENT OWNER	1704 MONTROSE BLVD	HOUSTON	TX	77006	1704 MONTROSE BLVD	HOUSTON	TX	77006
1214270010003	PORTILLA DARIUS J & HISAE E	1702 MONTROSE BLVD	HOUSTON	TX	77006	1702 MONTROSE BLVD	HOUSTON	TX	77006
1214270010004	CAI YIBO	1700 MONTROSE BLVD	HOUSTON	TX	77006	1700 MONTROSE BLVD	HOUSTON	TX	77006
1214270010005	BADILLO JESUS ALAN	1708 MONTROSE BLVD	HOUSTON	TX	77006	1708 MONTROSE BLVD	HOUSTON	TX	77006
1214270010006	CURRENT OWNER	1710 MONTROSE BLVD	HOUSTON	TX	77006	1710 MONTROSE BLVD	HOUSTON	TX	77006
1214270010007	VILLAGRAN LAURA M	1712 MONTROSE BLVD	HOUSTON	TX	77006	1712 MONTROSE BLVD	HOUSTON	TX	77006
1214270010008	ZUGARO ELIZABETH & NICHOLAS	1714 MONTROSE BLVD	HOUSTON	TX	77006	1714 MONTROSE BLVD	HOUSTON	TX	77006
1214270010009	DUBIN GERALD H	1716 MONTROSE BLVD	HOUSTON	TX	77006	1716 MONTROSE BLVD	HOUSTON	TX	77006
1214270010010	CHITECO II LLC	5090 RICHMOND AVE STE 120	HOUSTON	TX	77056-7402	1718 MONTROSE BLVD	HOUSTON	TX	77006
1214270010011	LOPEZ NATHANIEL N	1720 MONTROSE BLVD	HOUSTON	TX	77006	1720 MONTROSE BLVD	HOUSTON	TX	77006
1214270010012	TAMPA STREET APARTMENTS LLC	20333 SH 249 # 510	HOUSTON	TX	77070	1722 MONTROSE BLVD	HOUSTON	TX	77006
1214270010013	SHAGHAGHI SHEENA	1724 MONTROSE BLVD	HOUSTON	TX	77006	1724 MONTROSE BLVD	HOUSTON	TX	77006
1214270010014	AUFDERHEIDE ERIN	1726 MONTROSE BLVD	HOUSTON	TX	77006-1242	1726 MONTROSE BLVD	HOUSTON	TX	77006
1214270010016	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 BOMAR ST	HOUSTON	TX	77006
1214340010001	BAILLIE KENNETH APPIN	839 ROSINE ST	HOUSTON	TX	77019-1938	839 ROSINE ST	HOUSTON	TX	77019
1214340010002	SMITH SVETLANA A	837 ROSINE ST	HOUSTON	TX	77019	837 ROSINE ST	HOUSTON	TX	77019
1214340010003	THOMAS ALVIN LEROY II	3333 ALLEN PKWY 2601	HOUSTON	TX	77020	835 ROSINE ST	HOUSTON	TX	77019
1214340010004	BALI KAPIL O	2314 WILLOWBY DR	HOUSTON	TX	77008-3004	833 ROSINE ST	HOUSTON	TX	77019

1214340010005	PIFER SEAN E	3547 WESTCLIFF RD S	FORT WORTH	TX	76109-2821	831 ROSINE ST	HOUSTON	TX	77019
1214340010006	GASCA AMPARO A	829 ROSINE ST	HOUSTON	TX	77019	829 ROSINE ST	HOUSTON	TX	77019
1214340010007	SILVESTRI HOMES OF TX INC	1215 GESSNER RD	HOUSTON	TX	77055-6013	841 ROSINE ST	HOUSTON	TX	77019
1214340010008	BUHAY JOCELYN & GONZALO	843 ROSINE ST	HOUSTON	TX	77019-1938	843 ROSINE ST	HOUSTON	TX	77019
1214340010009	SAGULLO CARLO G	102 QUITMAN ST UNIT 202	HOUSTON	TX	77009-7661	845 ROSINE ST	HOUSTON	TX	77019
1214360010001	CURRENT OWNER	2506 WATTS ST	HOUSTON	TX	77030-1832	1001 CROCKER ST	HOUSTON	TX	77019
1214360010002	HIGGINS SEAN M	1003 CROCKER ST	HOUSTON	TX	77019	1003 CROCKER ST	HOUSTON	TX	77019
1214360010003	HUFFMAN CHERYL MARIE	1005 CROCKER ST B	HOUSTON	TX	77019	1005 CROCKER ST	HOUSTON	TX	77019
1214360010004	HUFFMAN CHERYL MARIE	1005 CROCKER ST B	HOUSTON	TX	77019	1005 CROCKER ST	HOUSTON	TX	77019
1214360010005	DEY RAVEEN	1007 CROCKER ST	HOUSTON	TX	77019	1007 CROCKER ST	HOUSTON	TX	77019
1214360010006	CHAUHAN KAVITA S	1009 CROCKER ST	HOUSTON	TX	77019	1009 CROCKER ST	HOUSTON	TX	77019
1215980010001	TOSCHI JAMES	1216 W BELL ST	HOUSTON	TX	77019	1216 W BELL ST	HOUSTON	TX	77019
1215980010002	RAFLO RIKKI C	1214 W BELL ST	HOUSTON	TX	77019	1214 W BELL ST	HOUSTON	TX	77019
1217450010001	GONZALEZ ALEJANDRO P	14123 HEATHERFIELD DR	HOUSTON	TX	77079-6805	413 W PIERCE ST	HOUSTON	TX	77019
1217450010002	ARCHER-SMITH EVA E	411 W PIERCE ST	HOUSTON	TX	77019-8418	411 W PIERCE ST	HOUSTON	TX	77019
1218070010001	ROBBINS MARILU	3442 GREEN TREE PARK	HOUSTON	TX	77007	3442 GREEN TREE PARK	HOUSTON	TX	77007
1218070010002	DOSSI GIOVANNI	3438 GREEN TREE PARK	HOUSTON	TX	77007	3438 GREEN TREE PARK	HOUSTON	TX	77007
1218070010003	WORTHY LEWIS	3434 GREEN TREE PARK	HOUSTON	TX	77007	3434 GREEN TREE PARK	HOUSTON	TX	77007
1218070010004	PORTELA JOAQUIM A O & ALEXANDRA M F	3430 GREEN TREE PARK	HOUSTON	TX	77007	3430 GREEN TREE PARK	HOUSTON	TX	77007
1218070010005	NOUR-NESHAN ROYA	3426 GREEN TREE PARK	HOUSTON	TX	77007	3426 GREEN TREE PARK	HOUSTON	TX	77007
1218070010006	STEPHENS GREGG R & CLARISSA G	3422 GREEN TREE PARK	HOUSTON	TX	77007	3422 GREEN TREE PARK	HOUSTON	TX	77007
1218070010007	PARACELSUS MANAGEMENT TRUST	3418 GREEN TREE PARK	HOUSTON	TX	77007	3418 GREEN TREE PARK	HOUSTON	TX	77007
1218070010008	GRANT ROBERT J	3414 GREEN TREE PARK	HOUSTON	TX	77007	3414 GREEN TREE PARK	HOUSTON	TX	77007
1218070010009	MCCUTCHEON CONRAD K	3410 GREEN TREE PARK	HOUSTON	TX	77007	3410 GREEN TREE PARK	HOUSTON	TX	77007
1218070010010	BLUDAU SHIRLEY	3406 GREEN TREE PARK	HOUSTON	TX	77007-8372	3406 GREEN TREE PARK	HOUSTON	TX	77007
1218070010011	LAVORINI KELLY C	3402 GREEN TREE PARK	HOUSTON	TX	77007	3402 GREEN TREE PARK	HOUSTON	TX	77007
1218070010012	ERGIN BIRANT	3778 NOTTINGHAM ST	HOUSTON	TX	77005-2026	3346 GREEN TREE PARK	HOUSTON	TX	77007
1218070010013	GANDARA MARIO R	3314 CROSSPARK PL	HOUSTON	TX	77007-8368	3342 GREEN TREE PARK	HOUSTON	TX	77007
1218070010014	5 KOVIES LLC	PO BOX 3555	CAMARILLO	CA	93011-3555	3338 GREEN TREE PARK	HOUSTON	CA	77007
1218070010015	DAVIDSON ALLISON JANE	3334 GREEN TREE PARK	HOUSTON	TX	77007	3334 GREEN TREE PARK	HOUSTON	TX	77007
1218070010016	BEAM EARL R & CAROL F	3330 GREEN TREE PARK	HOUSTON	TX	77007-8370	3330 GREEN TREE PARK	HOUSTON	TX	77007
1218070010017	SCHIRMER TAO W	355 E KINGS DEER PT	MONUMENT	CO	80132-2930	3326 GREEN TREE PARK	HOUSTON	TX	77007
1218070010018	BENNETT WHITNEY & MICHAEL	3322 GREEN TREE PARK	HOUSTON	TX	77007-8370	3322 GREEN TREE PARK	HOUSTON	TX	77007
1218070010019	RUSSELL THOMAS J & LESLIE	3318 GREEN TREE PARK	HOUSTON	TX	77007	3318 GREEN TREE PARK	HOUSTON	TX	77007

1218070010020	FRAIZER WILLIAM K	3314 GREEN TREE PARK	HOUSTON	TX	77007	3314 GREEN TREE PARK	HOUSTON	TX	77007
1218070010021	SANDERSON LARRY G & JULIE V	20821D EVA ST STE 128	MONTGOMER	TX	77356	3310 GREEN TREE PARK	HOUSTON	TX	77007
1218070010022	REKHVIASHVILI NIKOLOZ	3306 GREEN TREE PARK	HOUSTON	TX	77007	3306 GREEN TREE PARK	HOUSTON	TX	77007
1218070010023	HUFF GEORGIA H	3302 GREEN TREE PARK	HOUSTON	TX	77007	3302 GREEN TREE PARK	HOUSTON	TX	77007
1218070010024	CREATIVE MANAGEMENT	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 NORTH GATE STONE	HOUSTON	TX	77007
1218070010025	STANLEY RICHARD LOREN	3300 GREEN TREE PARK	HOUSTON	TX	77007	3300 GREEN TREE PARK	HOUSTON	TX	77007
1218070020003	ARVIN LIVING TRUST	3335 GREEN TREE PARK	HOUSTON	TX	77007-8371	3335 GREEN TREE PARK	HOUSTON	TX	77007
1218070020004	HOLLAND GEORGE W	3331 GREEN TREE PARK	HOUSTON	TX	77007	3331 GREEN TREE PARK	HOUSTON	TX	77007
1218070020005	SUMMEROUR ALEX	3410 MEMORIAL CREST BLVD	HOUSTON	TX	77007-8350	3327 GREEN TREE PARK	HOUSTON	TX	77007
1218070020006	CURRENT OWNER	3323 GREEN TREE PARK	HOUSTON	TX	77007	3323 GREEN TREE PARK	HOUSTON	TX	77007
1218070020007	GOROWARA CHANDER S & NAVNEET K	3319 GREEN TREE PARK	HOUSTON	TX	77007	3319 GREEN TREE PARK	HOUSTON	TX	77007
1218070020008	MEYNIER DIXIE G	3315 GREEN TREE PARK	HOUSTON	TX	77007	3315 GREEN TREE PARK	HOUSTON	TX	77007
1218070020009	ELMAN OLGA T	531 N GATE STONE	HOUSTON	TX	77007	531 N GATE STONE	HOUSTON	TX	77007
1218070020010	KAGAN JESSICA S	527 N GATE STONE	HOUSTON	TX	77007	527 N GATE STONE	HOUSTON	TX	77007
1218070020011	BUCHMANN MARK B & MARISA BUSTILLO	523 N GATE STONE	HOUSTON	TX	77007-8377	523 N GATE STONE	HOUSTON	TX	77007
1218070020012	CORMACK ALAN & TRANG T TRANH	519 N GATE STONE	HOUSTON	TX	77007	519 N GATE STONE	HOUSTON	TX	77007
1218070020013	ANDREW M SZURGOT REV TRUST	515 N GATE STONE	HOUSTON	TX	77007	515 N GATE STONE	HOUSTON	TX	77007
1218070020014	GOLDSTEIN JANIS FISHMAN	511 N GATE STONE	HOUSTON	TX	77007-8377	511 N GATE STONE	HOUSTON	TX	77007
1218070020015	KALIDAS MAMTA	507 N GATE STONE	HOUSTON	TX	77007	507 N GATE STONE	HOUSTON	TX	77007
1218070020016	ARCIDIACONO THOMAS	503 N GATE STONE	HOUSTON	TX	77007-8377	503 N GATE STONE	HOUSTON	TX	77007
1218070030001	WYERS JOE A JR & ASHLEY N	447 N GATE STONE	HOUSTON	TX	77007	447 N GATE STONE	HOUSTON	TX	77007
1218070030002	GUTACKER DAVID & SUSAN	443 N GATE STONE	HOUSTON	TX	77007	443 N GATE STONE	HOUSTON	TX	77007
1218070030003	WILLIAMS RITA L	439 N GATE STONE	HOUSTON	TX	77007	439 N GATE STONE	HOUSTON	TX	77007
1218070030004	KML LIVING TRUST	435 N GATE STONE	HOUSTON	TX	77007	435 N GATE STONE	HOUSTON	TX	77007
1218070030005	GORMAN RICHARD L & JANICE	431 N GATE STONE	HOUSTON	TX	77007	431 N GATE STONE	HOUSTON	TX	77007
1218070030006	DANNA LOUIS V II	427 N GATE STONE	HOUSTON	TX	77007	427 N GATE STONE	HOUSTON	TX	77007
1218070030007	COSTELLO JULIE & RYAN	423 N GATE STONE	HOUSTON	TX	77007	423 N GATE STONE	HOUSTON	TX	77007
1218070030008	LEIS JORGE MANUEL	419 N GATE STONE	HOUSTON	TX	77007	419 N GATE STONE	HOUSTON	TX	77007
1218070030009	CABARCAS CARLOS L	407 N GATE STONE	HOUSTON	TX	77007-8341	407 N GATE STONE	HOUSTON	TX	77007
1218070030010	CREATIVE MANAGEMENT	8323 SOUTHWEST FWY STE 330	HOUSTON	TX	77074-1636	0 PRIVATE STS	HOUSTON	TX	77007
1218070030011	JENKINS THOMAS P & JANET C	415 N GATE STONE	HOUSTON	TX	77007	415 N GATE STONE	HOUSTON	TX	77007
1218070030012	WASIELEWSKI JONATHAN P	411 N GATE STONE	HOUSTON	TX	77007	411 N GATE STONE	HOUSTON	TX	77007
1218070040001	ZATARAIN JOHN R & LETICIA C	3343 GREEN TREE PARK	HOUSTON	TX	77007	3343 GREEN TREE PARK	HOUSTON	TX	77007
1218070040002	SHATTUCK DAVID P & CAROL S	3339 GREEN TREE PARK	HOUSTON	TX	77007	3339 GREEN TREE PARK	HOUSTON	TX	77007

1218070040003	LARROW JOSEPH J & BARBARA	3341 GREEN TREE PARK	HOUSTON	TX	77007	3341 GREEN TREE PARK	HOUSTON	TX	77007
1218340010001	GUNN BERMAN DELANEY O	2647 W DALLAS ST	HOUSTON	TX	77019	2647 W DALLAS ST	HOUSTON	TX	77019
1218340010002	HALE KALA LIMITED PARTNERSHIP	2645 W DALLAS ST	HOUSTON	TX	77019	2645 W DALLAS ST	HOUSTON	TX	77019
1218340010003	LOVELL SUSAN E	2643 W DALLAS ST	HOUSTON	TX	77019	2643 W DALLAS ST	HOUSTON	TX	77019
1218340010004	LARSON ELIZABETH & GARY	2641 W DALLAS ST	HOUSTON	TX	77019	2641 W DALLAS ST	HOUSTON	TX	77019
1218340010005	NASSAJ MEHRNOOSH	2639 W DALLAS ST	HOUSTON	TX	77019	2639 W DALLAS ST	HOUSTON	TX	77019
1218340010006	SCHAEFER GEORGE	11271 BLUE GRASS WAY	CONROE	TX	77304-1180	2637 W DALLAS ST	HOUSTON	TX	77019
1218340010007	FERGUSON JOHN B	2635 W DALLAS ST	HOUSTON	TX	77019	2635 W DALLAS ST	HOUSTON	TX	77019
1218340010008	GIBSON WELDON T JR & JO L	2633 W DALLAS ST	HOUSTON	TX	77019	2633 W DALLAS ST	HOUSTON	TX	77019
1218340010009	MCBATH MARJORIE	3600 MONTROSE BLVD UNIT 1104	HOUSTON	TX	77006-4649	2631 W DALLAS ST	HOUSTON	TX	77019
1218340010010	NGUYEN DANIELLE T	1004 VAN BUREN ST	HOUSTON	TX	77019	1004 VAN BUREN ST	HOUSTON	TX	77019
1218340010011	CHEN TERRY	1006 VAN BUREN ST	HOUSTON	TX	77019	1006 VAN BUREN ST	HOUSTON	TX	77019
1218340010012	BENEDICT DANIEL J	1008 VAN BUREN ST	HOUSTON	TX	77019-4127	1008 VAN BUREN ST	HOUSTON	TX	77019
1218340010013	SZAK DONA	1018 VAN BUREN ST	HOUSTON	TX	77019	1018 VAN BUREN ST	HOUSTON	TX	77019
1218340010014	ZHOU YANG	1020 VAN BUREN ST	HOUSTON	TX	77019	1020 VAN BUREN ST	HOUSTON	TX	77019
1218340010015	NG TIMMY & SARA LOWERY	27 BASH PL	HOUSTON	TX	77027-5601	1022 VAN BUREN ST	HOUSTON	TX	77019
1218340010016	ALBERTINI RICHARD J	1024 VAN BUREN ST	HOUSTON	TX	77019-4127	1024 VAN BUREN ST	HOUSTON	TX	77019
1218340010017	KANE MOUSSA	1201 LOUISIANA ST STE 1800	HOUSTON	TX	77002-5605	1026 VAN BUREN ST	HOUSTON	TX	77019
1218340010018	ROBERTSON ARTHUR E JR	1028 VAN BUREN ST	HOUSTON	TX	77019	1028 VAN BUREN ST	HOUSTON	TX	77019
1218340010019	HARRIS ZACHARY A & KASSANDRA N	1023 EBERHARD ST	HOUSTON	TX	77019	1023 EBERHARD ST	HOUSTON	TX	77019
1218340010020	SMART KENNETH W JR & JOANNE L	1025 EBERHARD ST	HOUSTON	TX	77019	1025 EBERHARD ST	HOUSTON	TX	77019
1218340010021	SJSAS II LLC	2815 CLINTON DR	HOUSTON	TX	77020-8401	1027 EBERHARD ST	HOUSTON	TX	77019
1218340010022	CHEN HSIU F	1029 EBERHARD ST	HOUSTON	TX	77019	1029 EBERHARD ST	HOUSTON	TX	77019
1218340010023	CURRENT OWNER	7814 BRYONWOOD DR	HOUSTON	TX	77055-6825	1015 EBERHARD ST	HOUSTON	TX	77019
1218340010024	CURRENT OWNER	1017 EBERHARD ST	HOUSTON	TX	77019	1017 EBERHARD ST	HOUSTON	TX	77019
1218340010025	PHELPS JENNIFER A	1019 EBERHARD ST	HOUSTON	TX	77019	1019 EBERHARD ST	HOUSTON	TX	77019
1218340010026	KNOBLOCK JONATHAN	1021 EBERHARD ST	HOUSTON	TX	77019	1021 EBERHARD ST	HOUSTON	TX	77019
1218340010027	CURRENT OWNER	1016 VAN BUREN ST	HOUSTON	TX	77019	1016 VAN BUREN ST	HOUSTON	TX	77019
1218340010028	CLEMENTS EMMA	1014 VAN BUREN ST	HOUSTON	TX	77019	1014 VAN BUREN ST	HOUSTON	TX	77019
1218340010029	STELLY MORGAN A	1012 VAN BUREN ST	HOUSTON	TX	77019	1012 VAN BUREN ST	HOUSTON	TX	77019
1218340010030	SMITH KAREN A	1010 VAN BUREN ST	HOUSTON	TX	77019	1010 VAN BUREN ST	HOUSTON	TX	77019
1218340010031	BAYS DAVID	130 N MAIN ST	EDWARDSVILL	IL	62025-1902	1003 EBERHARD ST	HOUSTON	IL	77019
1218340010032	STEPHANO BERNARDO	1005 EBERHARD ST	HOUSTON	TX	77019	1005 EBERHARD ST	HOUSTON	TX	77019
1218340010033	HOLLIS DARRELL E	8705 IVYBERRY WAY	MONTGOMER	MD	20886-5669	1007 EBERHARD ST	HOUSTON	TX	77019

1218340010034	BADRUDDIN ANISA	1009 EBERHARD ST	HOUSTON	TX	77019	1009 EBERHARD ST	HOUSTON	TX	77019
1218340010035	CHOO TOANNE	1011 EBERHARD ST	HOUSTON	TX	77019	1011 EBERHARD ST	HOUSTON	TX	77019
1218340010036	PRINCIPAL MGMT GRP	11000 CORPORATE CENTRE DR STE	HOUSTON	TX	77041-5179	0 VAN BUREN AVE	HOUSTON	TX	77019
1218370010001	GARCIA IMMACULADA LAPENA	1014 MONTROSE BLVD APT A	HOUSTON	TX	77019	1014 MONTROSE BLVD APT A	HOUSTON	TX	77019
1218370010002	PURNAK TUGRUL	1014 MONTROSE BLVD APT B	HOUSTON	TX	77019-4239	1014 MONTROSE BLVD APT B	HOUSTON	TX	77019
1218370010003	GOODIE AMANDA	1302 WAUGH DR PMB 479	HOUSTON	TX	77019-3908	1014 MONTROSE BLVD APT C	HOUSTON	TX	77019
1218370010004	TSAY MENJ YING T & LI LIN	1014 MONTROSE BLVD APT D	HOUSTON	TX	77019-4239	1014 MONTROSE BLVD APT D	HOUSTON	TX	77019
1218370010005	SALAZAR ELISEO	1014 MONTROSE BLVD APT E	HOUSTON	TX	77019-4239	1014 MONTROSE BLVD APT E	HOUSTON	TX	77019
1218370010006	BERELHARROP SARAH	3047 ERIC LN	DALLAS	TX	75234-6417	1014 MONTROSE BLVD #F	HOUSTON	TX	77019
1218370010007	BERELHARROP SARAH	3047 ERIC LN	DALLAS	TX	75234-6417	1014 MONTROSE BLVD APT F	HOUSTON	TX	77019
1218370010008	MONTROSE TER TWM OWNRS ASS	1014 MONTROSE BLVD UNIT G	HOUSTON	TX	77019-4239	1014 MONTROSE BLVD UNIT G	HOUSTON	TX	77019
1218490010001	VASQUEZ DEVIN	2627 W DALLAS ST	HOUSTON	TX	77019	2627 W DALLAS ST	HOUSTON	TX	77019
1218490010002	SHAH AMIL H	2625 W DALLAS ST	HOUSTON	TX	77019	2625 W DALLAS ST	HOUSTON	TX	77019
1218490010003	DAVIS MICHAEL	2623 W DALLAS ST	HOUSTON	TX	77019	2623 W DALLAS ST	HOUSTON	TX	77019
1218490010004	NG TIMMY H	27 BASH PL	HOUSTON	TX	77027-5601	2621 W DALLAS ST	HOUSTON	TX	77019
1218490010005	SHAH VIKAS & PRINA	4231 ALBANS ST	HOUSTON	TX	77005-1007	2619 W DALLAS ST	HOUSTON	TX	77019
1218490010006	GALLARDO PAULINA	777 DUNLAVY ST	HOUSTON	TX	77019-1949	2617 W DALLAS ST	HOUSTON	TX	77019
1218490010007	DELK WILLIAM SHELTON JR & BRENNA WURTZ	2615 W DALLAS ST	HOUSTON	TX	77019	2615 W DALLAS ST	HOUSTON	TX	77019
1218490010008	KUJALA RODNEY J	PO BOX 58492	HOUSTON	TX	77258-8492	2611 W DALLAS ST	HOUSTON	TX	77019
1218490010009	NGUYEN BETTY	2609 W DALLAS ST	HOUSTON	TX	77019	2609 W DALLAS ST	HOUSTON	TX	77019
1218490010010	BLAKE ALEXANDRA	2607 W DALLAS ST	HOUSTON	TX	77019-4109	2607 W DALLAS ST	HOUSTON	TX	77019
1218490010011	RUIZ RUDY	2605 W DALLAS ST	HOUSTON	TX	77019	2605 W DALLAS ST	HOUSTON	TX	77019
1218490010012	FANG XINLU	2603 W DALLAS ST	HOUSTON	TX	77019	2603 W DALLAS ST	HOUSTON	TX	77019
1218490010013	DONOVAN MATTHEW J	1006 MARCONI ST	HOUSTON	TX	77019	1006 MARCONI ST	HOUSTON	TX	77019
1218490010014	R&R MARCONI LLC	730 HEIGHTS BLVD	HOUSTON	TX	77007-1505	1008 MARCONI ST	HOUSTON	TX	77019
1218490010015	KING MARGARET	1008 MARCONI ST UNIT B	HOUSTON	TX	77019-4206	1008 MARCONI ST	HOUSTON	TX	77019
1218490010016	DELAMORENA DAGOBERTO JR & POD EDUARD	1004 MARCONI ST	HOUSTON	TX	77019	1004 MARCONI ST	HOUSTON	TX	77019
1218490010017	SCHMITZ ROSE B	1002 MARCONI ST	HOUSTON	TX	77019	1002 MARCONI ST	HOUSTON	TX	77019
1218490010018	REIMER ANDREW L	1000 MARCONI ST	HOUSTON	TX	77019-4206	1000 W DALLAS ST	HOUSTON	TX	77019
1218490010019	OLIVER SCOTT & CHERYL	1001 VAN BUREN ST	HOUSTON	TX	77019	1001 VAN BUREN ST	HOUSTON	TX	77019
1218490010020	PETEREK KEVIN BROSNAN	2621 W DALLAS BLDG	HOUSTON	TX	77019	1003 W DALLAS ST	HOUSTON	TX	77019
1218490010021	SCHOVAJSA CHRISTINA	1005 VAN BUREN ST	HOUSTON	TX	77019	1005 VAN BUREN ST	HOUSTON	TX	77019
1218490010022	OECHSLE RENEE	PO BOX 1985	HOUSTON	TX	77251-1985	1007 VAN BUREN ST	HOUSTON	TX	77019
1218490010023	BHALLA RUPA	1007B VAN BUREN ST	HOUSTON	TX	77019-4126	1007 VAN BUREN ST	HOUSTON	TX	77019

1218490010024	CURRENT OWNER	1007A VAN BUREN ST	HOUSTON	TX	77019-4126	1007 VAN BUREN ST # A	HOUSTON	TX	77019
1219490000001	DYA AMBEL INC	515 AUSTIN ST	RICHMOND	TX	77469-4407	1000 W CLAY ST	HOUSTON	TX	77019
1219490000002	DYA AMBEL INC	515 AUSTIN ST	RICHMOND	TX	77469-4407	1000 W CLAY ST	HOUSTON	TX	77019
1219490000003	DYA AMBEL INC	515 AUSTIN ST	RICHMOND	TX	77469-4407	1000 W CLAY ST	HOUSTON	TX	77019
1219490000004	ARZO ISIDORA	1000 W CLAY ST	HOUSTON	TX	77019	1000 W CLAY ST UNIT 4	HOUSTON	TX	77019
1220700010001	NAGEL JEFF	600 BOMAR ST	HOUSTON	TX	77006-1409	600 BOMAR ST	HOUSTON	TX	77006
1220700010002	AITKEN SAMUEL L	1595 PAULINE BLVD	ANN ARBOR	MI	48103-5260	598 BOMAR ST	HOUSTON	MI	77006
1220700010003	WATSON JILL	596 BOMAR ST	HOUSTON	TX	77006	596 BOMAR ST	HOUSTON	TX	77006
1220700010004	ROUSSEAU JOSEPH HAYWARD & LYNDA MELAI	594 BOMAR ST	HOUSTON	TX	77006-1407	594 BOMAR ST	HOUSTON	TX	77006
1220700010005	SERRANO FELIPE	243 W 14TH ST APT 2	NEW YORK	NY	10011-7195	592 BOMAR ST	HOUSTON	TX	77006
1220700010006	CUNNINGHAM VERONICA Z	590 BOMAR ST	HOUSTON	TX	77006	590 BOMAR ST	HOUSTON	TX	77006
1220700010007	PARKS KENYA M	588 BOMAR ST	HOUSTON	TX	77006	588 BOMAR ST	HOUSTON	TX	77006
1220700010008	JARZOMBEK CHRISTOPHER	586 BOMAR ST	HOUSTON	TX	77006	586 BOMAR ST	HOUSTON	TX	77006
1220700010009	CHITIYALA VIJAYSIMHA	584 BOMAR ST	HOUSTON	TX	77006	584 BOMAR ST	HOUSTON	TX	77006
1220700010010	WADDLETON DARREN	582 BOMAR ST	HOUSTON	TX	77006	582 BOMAR ST	HOUSTON	TX	77006
1220700010011	STRICKLAND JAMES L	580 BOMAR ST	HOUSTON	TX	77006	580 BOMAR ST	HOUSTON	TX	77006
1220700010012	GONZALEZ RUTH	2223 GOLDSMITH ST	HOUSTON	TX	77030-1118	558 BOMAR ST	HOUSTON	TX	77006
1220700010013	VALENZUELA FABIOLA	556 BOMAR ST	HOUSTON	TX	77006	556 BOMAR ST	HOUSTON	TX	77006
1220700010014	ELLER WALTON G JR	20106 CHASESTONE CT	KATY	TX	77450-4350	554 BOMAR ST	HOUSTON	TX	77006
1220700010015	HUNTER RYAN BRANDON	552 BOMAR ST	HOUSTON	TX	77006	552 BOMAR ST	HOUSTON	TX	77006
1220700010016	MORALES RICHARD D	550 BOMAR ST	HOUSTON	TX	77006	550 BOMAR ST	HOUSTON	TX	77006
1220700010017	KELKAR MUKUL S & ALPANA P	548 BOMAR ST	HOUSTON	TX	77006	548 BOMAR ST	HOUSTON	TX	77006
1220700010018	SHUSTER MARGARITA	546 BOMAR ST	HOUSTON	TX	77006	546 BOMAR ST	HOUSTON	TX	77006
1220700010019	KELSCH KENNETH D & SHAUNA	544 BOMAR ST	HOUSTON	TX	77006	544 BOMAR ST	HOUSTON	TX	77006
1220700010020	MATRE JEFFREY S	1600 BARTON SPRINGS UNIT 3205	AUSTIN	TX	78704-1189	542 BOMAR ST	HOUSTON	TX	77006
1220700010021	NGUYEN HUNG & HUYEN	1007 COWBOYS PARKWAY	IRVING	TX	75063-5024	540 BOMAR ST	HOUSTON	TX	77006
1220700010022	NOVIK OXANA	538 BOMAR ST	HOUSTON	TX	77006	538 BOMAR ST	HOUSTON	TX	77006
1220700010023	PEREZ ALEJANDRA	536 BOMAR ST	HOUSTON	TX	77006	536 BOMAR ST	HOUSTON	TX	77006
1220700010024	CHESSER SLATER	566 BOMAR ST	HOUSTON	TX	77006	566 BOMAR ST	HOUSTON	TX	77006
1220700010025	GORDON WAYNE K & CYNTHIA D	568 BOMAR ST	HOUSTON	TX	77006	568 BOMAR ST	HOUSTON	TX	77006
1220700010026	BOSAMIA ROHINI V	570 BOMAR ST	HOUSTON	TX	77006-1407	570 BOMAR ST	HOUSTON	TX	77006
1220700010027	MUSA LUNA JAMIL	572 BOMAR ST	HOUSTON	TX	77006	572 BOMAR ST	HOUSTON	TX	77006
1220700010028	GUERRERO MONICA	574 BOMAR ST	HOUSTON	TX	77006	574 BOMAR ST	HOUSTON	TX	77006
1220700010029	ROLON LUISA F	576 BOMAR ST	HOUSTON	TX	77006	576 BOMAR ST	HOUSTON	TX	77006

1220700010030	WILLIAMS SHERRY D	578 BOMAR ST	HOUSTON	TX	77006	578 BOMAR ST	HOUSTON	TX	77006
1220700010031	JONES SARA & CURTIS	560 BOMAR ST	HOUSTON	TX	77006	560 BOMAR ST	HOUSTON	TX	77006
1220700010032	CHIMOTE RAHUL S	562 BOMAR ST	HOUSTON	TX	77006	562 BOMAR ST	HOUSTON	TX	77006
1220700010033	KIM MATTHEW J	564 BOMAR ST	HOUSTON	TX	77006	564 BOMAR ST	HOUSTON	TX	77006
1220740010001	OVERMAN JOHN WILLIAM	1000 STANFORD ST	HOUSTON	TX	77019-4305	1000 STANFORD ST	HOUSTON	TX	77019
1220740010002	ACOSTA CONSTANCE CAROL	1002 STANFORD	HOUSTON	TX	77019-4305	1002 STANFORD ST	HOUSTON	TX	77019
1220740010003	POER KIMBERLY M & JAMES B	1004 STANFORD ST APT A	HOUSTON	TX	77019-4305	1004 STANFORD ST APT A	HOUSTON	TX	77019
1220740010004	TREECE THOMAS G & CAROLYN	11 WATERTREE DR	SPRING	TX	77380-2642	1004 STANFORD ST	HOUSTON	TX	77019
1220740010005	WAGNER KATHERINE RAE VAN	1006 STANFORD ST	HOUSTON	TX	77019-4305	1006 STANFORD ST	HOUSTON	TX	77019
1220740010006	GREGG GREGORY L	5010 CEDAR CREEK DR	HOUSTON	TX	77056-2402	1008 STANFORD ST	HOUSTON	TX	77019
1220910010001	AHMED KHAJA ENTERPRISES LLC ETAL	13750 CLUB COVE DR	JACKSONVILLE	FL	32225-5430	3026 TERRACE HILLS LN	HOUSTON	FL	77007
1220910010002	VALINIA MOHAMMAD & TAHEREH H	4749 W ALABAMA ST	HOUSTON	TX	77027-4726	3022 TERRACE HILLS LN	HOUSTON	TX	77007
1220910010003	FIELER REBECCA	3018 TERRACE HILLS LN	HOUSTON	TX	77007	3018 TERRACE HILLS LN	HOUSTON	TX	77007
1220910010004	PINTO LUIS &	3014 TERRACE HILLS LN	HOUSTON	TX	77007	3014 TERRACE HILLS LN	HOUSTON	TX	77007
1220910010005	COLVIN CLAY & LINDSAY BLAIR	3859 TARTAN LN	HOUSTON	TX	77025-2411	3010 TERRACE HILLS LN	HOUSTON	TX	77007
1220910010006	RICH LESLIE W	3006 TERRACE HILLS LN	HOUSTON	TX	77007	3006 TERRACE HILLS LN	HOUSTON	TX	77007
1220910010007	MOY LILLIAN	3002 TERRACE HILLS LN	HOUSTON	TX	77007	3002 TERRACE HILLS LN	HOUSTON	TX	77007
1220910020001	DUNKELJAHANTIGH DEREK & GENEVA	702 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	702 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020002	CONSTANTACOS CATHRINE	1121 DOWNING CREEK CT	WINSTON SAL	NC	27106-9837	706 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020003	KELLEY GRETCHEN A	710 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	710 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020004	EASTIN ASHLEY B	714 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	714 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020005	TRILLI LEAH	718 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	718 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020006	CREAMER WILLIAM R	CMR 445 BOX 1218	APO	AE	09046-0013	722 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020007	SKORNETSKIY DMITRY	22 DESERT ROSE PL	SPRING	TX	77382-5900	726 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020008	BAKER-FRUGONI DORANNE	730 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007-7058	730 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020009	ROUCKOUT NICOLAS	734 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	734 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020010	LIN DANIEL	802 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	802 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020011	LEWIS CAROLE Y & BOBBY D JR	806 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	806 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020012	SULJKANOVIC EMIR & MELIKA	810 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	810 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1220910020013	LOREDO EDGAR	3027 TERRACE HILLS LN	HOUSTON	TX	77007	3027 TERRACE HILLS LN	HOUSTON	TX	77007
1220910020014	HONORE ROSELYN A	3023 TERRACE HILLS LN	HOUSTON	TX	77007	3023 TERRACE HILLS LN	HOUSTON	TX	77007
1220910020015	HARRINGTON ELIZABETH K	3019 TERRACE HILLS LN	HOUSTON	TX	77007	3019 TERRACE HILLS LN	HOUSTON	TX	77007
1220910020016	MURPHY CECILIA E	3015 TERRACE HILLS LN	HOUSTON	TX	77007	3015 TERRACE HILLS LN	HOUSTON	TX	77007
1220910020017	DEMERS MARC	3011 TERRACE HILLS LN	HOUSTON	TX	77007	3011 TERRACE HILLS LN	HOUSTON	TX	77007

1220910020018	GREY MIST EQUITIES LLC	3007 TERRACE HILLS LN	HOUSTON	TX	77007	3007 TERRACE HILLS LN	HOUSTON	TX	77007
1220910020019	NG LIONG	4602 W CARLA VISTA DR	CHANDLER	AZ	85226-2912	3003 TERRACE HILLS LN	HOUSTON	TX	77007
1220910020020	CURRENT OWNER	811 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	811 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020021	CRANE SHANNON	807 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	807 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020022	VINH THUYVI	803 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	803 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020023	BENTON MICHAEL R	731 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7054	731 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020024	CURRENT OWNER	727 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	727 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020025	CLARKE KAREN	723 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	723 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020026	WILLIAMS KATHLEEN	719 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	719 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020027	DEVISO NILDA E	715 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	715 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020028	NASSER JOSEPH D	12732 W ASBURY PL	LAKEWOOD	CO	80228-4324	711 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020029	PARRANTO GREGORY B JR & VERONIKA Y	3743 NICANOA LN	NAPERVILLE	IL	60564-4220	707 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020030	MAH GARY	703 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	703 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020031	REILEY STEVE	3055 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3055 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020032	MILLER JUSTIN L	3051 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3051 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020033	GARG AMIT	3047 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3047 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020034	LIU YENAN	3039 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3039 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020035	HEWSTON DARREN D	3035 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3035 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020036	CURRENT OWNER	3027 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3027 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020037	HEDDERMAN MICHELLE	3023 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3023 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020038	PLAEGER FREDERICK J II & KATHLEEN D	5105 LONGMONT DR	HOUSTON	TX	77056-2417	3019 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020039	HO GRACE Y	3011 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3011 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020040	REYES MOLLY A	3007 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3007 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020041	EDWARDS COLE D	3003 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3003 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020042	MCFARREN PRESTON F	702 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	702 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020043	CHILSON SPENCER	706 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	706 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020044	ADKINS CHRISTOPHER LEE	710 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	710 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020045	ADAN BEARIZ	718 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7070	718 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020046	722 E HEIGHTS HOLLOW LN LLC	1018 LISA LN	KINGWOOD	TX	77339-3480	722 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020047	FAORO IGOR	726 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	726 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020048	OOMS JAN W L	28402 E BENDERS LANDING BLVD	SPRING	TX	77386-1797	802 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020049	CHENG ELLEN	806 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	806 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020050	LIGHTFOOT ANDREA ESCOBAR & BRAD J	810 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	810 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020051	PRAJAPATI YAMINI	2419 GENESTA PATH	SUGAR LAND		77479-1484	818 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007

1220910020052	FLORY KRYSTAL L	822 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	822 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910020053	BAYER CHRISTOPHER W	826 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7072	826 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030020	VOTANOPOULOS KONSTANTINOS	1121 DOWNING CREEK CT	WINSTON SAL	NC	27106-9837	846 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030021	BARRERA ESTEBAN R & CLAUDIA P	842 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7061	842 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030022	BURRELL NICHOLAS W	838 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7061	838 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030023	CHU JUSTIN L	834 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	834 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030024	BARTELMEHS BARBARA L	9206 AMBERWOOD CV	AUSTIN	TX	78759-7107	830 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030025	MCCONN LAUREL G	826 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	826 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030026	LIN YUJUNG	822 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	822 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030027	CURRENT OWNER	1850 HEWITT DR	HOUSTON	TX	77018-4025	818 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030028	FERNANDEZ DAVID	814 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	814 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030039	WHALEN JOHN K & PATRICIA A	2206 ROCKHAVEN DR	HOUSTON	TX	77062-4776	803 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030040	YATES MELINDA S	807 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	807 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030041	JARAMILLO FELICIA A	811 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7073	811 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030042	VARDEMAN JENNIFER E	815 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	815 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030043	WEBER ANDREAS	1508 MILFORD ST	HOUSTON	TX	77006-6322	819 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030044	LA BAOAN H	823 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	823 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030045	REEDY JOHANNA O	1127 TULANE ST	HOUSTON	TX	77008-6846	827 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030046	NAMMOUR RAMI	831 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007	831 E HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030053	ABOUZAHR AREF	1 RIVER RD BLDG 5	SCHENECTAD	NY	12305-2500	860 HEIGHTS HOLLOW LN	HOUSTON	NY	77007
1220910030054	CURRENT OWNER	854 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	854 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030055	DULGERSKA ATANASKA G	802 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007	802 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030056	BLANCHARD BRETT N	6159 CHEVY CHASE DR	HOUSTON	TX	77057-3513	806 W HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030057	KANAKAKORN SUTIIPONG & VIPHA	467 SARATOGA AVE APT 123	SAN JOSE	CA	95129-1326	810 HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910030058	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 EXEMPT	HOUSTON	TX	77007
1220910040001	BROUSSARD BRIAN T	3046 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7056	3046 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040002	BECHTOLT HALEY E	3042 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007-7056	3042 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040003	ONTIVEROS PATRICIA C	3038 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3038 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040004	BEDNARA MICHAEL	3034 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3034 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040005	TERRAL SARA	3030 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3030 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040006	SULLIVAN TIFFANY M	3026 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3026 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040007	PFAFFINGER LISA ANN	3022 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3022 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040008	MORGAN REBECCA	1294 HIDDEN CAVE DR	NEW BRAUNF	TX	78132-2148	3018 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1220910040009	TERENTYEV SERGEY	3014 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007	3014 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007

1220910040010	MOORE REVOCABLE TRUST	862 FERNGROVE DR	CUPERTINO	CA	95014-4637	3010 S HEIGHTS HOLLOW LN	HOUSTON	TX	77007
1221040020001	PHILIPPON JOSHUA	1603 ROBIN ST	HOUSTON	TX	77019	1603 ROBIN ST	HOUSTON	TX	77019
1221040020002	MIDTOWN BETHS LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	1605 ROBIN ST	HOUSTON	TX	77019
1221040020003	WONG GEORGE	1607 ROBIN ST	HOUSTON	TX	77019-4529	1607 ROBIN ST	HOUSTON	TX	77019
1221040020004	NGUYEN CATHERINE	1609 ROBIN ST	HOUSTON	TX	77019-4529	1609 ROBIN ST	HOUSTON	TX	77019
1221040020005	100 VICTORY LP	2640 FOUNTAINVIEW STE 400	HOUSTON	TX	77057-7610	0 ROBIN ST	HOUSTON	TX	77019
1221040020006	ALEGRIA JESSICA	1615 ROBIN ST # B	HOUSTON	TX	77019-4529	1615 ROBIN ST #B	HOUSTON	TX	77019
1221040020007	CARPIO FERNAN & MARIA	1620 ANDREWS ST	HOUSTON	TX	77019-5022	1622 ANDREWS ST	HOUSTON	TX	77019
1221040020008	CARPIO FERNAN P & MARIA N	1620 ANDREWS ST	HOUSTON	TX	77019-5022	1620 ANDREWS ST	HOUSTON	TX	77019
1221040020009	100 VICTORY LP	2640 FOUNTAINVIEW STE 400	HOUSTON	TX	77057-7610	1608 ANDREWS ST	HOUSTON	TX	77019
1221040020010	100 VICTORY LP	2640 FOUNTAINVIEW STE 400	HOUSTON	TX	77057-7610	1606 ANDREWS ST	HOUSTON	TX	77019
1221040020011	100 VICTORY LP	2640 FOUNTAINVIEW STE 400	HOUSTON	TX	77057-7610	1604 ANDREWS ST	HOUSTON	TX	77019
1221040030002	100 VICTORY LP	2640 FOUNTAINVIEW STE 400	HOUSTON	TX	77057-7610	1607 ANDREWS ST	HOUSTON	TX	77019
1221040030003	100 VICTORY LP	2640 FOUNTAINVIEW STE 400	HOUSTON	TX	77057-7610	1609 ANDREWS ST	HOUSTON	TX	77019
1221040030004	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	1613 ANDREWS ST	HOUSTON	TX	77019
1221040030005	PEREZ GUILLERMO R	1617 ANDREWS ST	HOUSTON	TX	77019-5021	1617 ANDREWS ST	HOUSTON	TX	77019
1221040030006	BENSHOFF ROBERT	1619 ANDREWS ST	HOUSTON	TX	77019-5021	1619 ANDREWS ST	HOUSTON	TX	77019
1221040030007	100 VICTORY LP	2640 FOUNTAINVIEW STE 400	HOUSTON	TX	77057-7610	1608 RUTHVEN ST	HOUSTON	TX	77019
1221260010001	DOBBINS JOHN C	1819 STANFORD ST	HOUSTON	TX	77006-1365	1819 STANFORD ST	HOUSTON	TX	77006
1221260010002	THURAIRASALINGAM AHILAN J	1817 STANFORD ST	HOUSTON	TX	77006-1365	1817 STANFORD ST	HOUSTON	TX	77006
1221260010003	SADULLO MARITA R	1815 STANFORD ST	HOUSTON	TX	77006-1365	1815 STANFORD ST	HOUSTON	TX	77006
1221260010004	ELLIOTT COLIN	1821 STANFORD ST	HOUSTON	TX	77006-1365	1821 STANFORD ST	HOUSTON	TX	77006
1221260010005	HARRIS LAUREN	1823 STANFORD ST	HOUSTON	TX	77006-1365	1823 STANFORD ST	HOUSTON	TX	77006
1221260010006	GUERRA JORGE	1825 STANFORD ST	HOUSTON	TX	77006-1365	1825 STANFORD ST	HOUSTON	TX	77006
1221260010007	BROHARD CHERYL L	1827 STANFORD ST	HOUSTON	TX	77006-1365	1827 STANFORD ST	HOUSTON	TX	77006
1221260010008	STENACK THOMAS MICHAEL II	620 BOMAR ST	HOUSTON	TX	77006-1409	620 BOMAR ST	HOUSTON	TX	77006
1221260010009	CURRENT OWNER	PO BOX 22305	HOUSTON	TX	77227-2305	622 BOMAR ST	HOUSTON	TX	77006
1221260010010	PAYNE SANDRA K	624 BOMAR ST ST	HOUSTON	TX	77006-1409	624 BOMAR ST ST	HOUSTON	TX	77006
1221260010011	CURRENT OWNER	626 BOMAR ST	HOUSTON	TX	77006-1409	626 BOMAR ST	HOUSTON	TX	77006
1221260010012	CHAVEZ SYLVIA P	628 BOMAR ST	HOUSTON	TX	77006-1409	628 BOMAR ST	HOUSTON	TX	77006
1223010010001	WOLFE CARY	1704 VAN BUREN ST	HOUSTON	TX	77006-1230	1704 VAN BUREN ST	HOUSTON	TX	77006
1223010010002	CURRENT OWNER	1710 VAN BUREN ST	HOUSTON	TX	77006-1230	1710 VAN BUREN ST	HOUSTON	TX	77006
1223010010003	CHA CHRISTOPHER D	4414 DURBAN DR	HOUSTON	TX	77041-8726	1714 VAN BUREN ST	HOUSTON	TX	77006
1223990010001	LOUDERMILK JOHN L JR & SARAH D	1233 W PIERCE ST	HOUSTON	TX	77019-4184	1233 W PIERCE ST	HOUSTON	TX	77019

1223990010002	WARNER THOMAS D	1231 W PIERCE ST	HOUSTON	TX	77019-4184	1231 W PIERCE ST	HOUSTON	TX	77019
1224420010001	WILKINS MADELEINE	310 W PIERCE ST	HOUSTON	TX	77019-4449	310 W PIERCE ST	HOUSTON	TX	77019
1224420010002	ANAND NARENDRA	312 W PIERCE ST	HOUSTON	TX	77019-4449	312 W PIERCE ST	HOUSTON	TX	77019
1224980010001	CURRENT OWNER	611 PEDEN ST	HOUSTON	TX	77006	611 PEDEN ST	HOUSTON	TX	77006
1224980010002	PORTER CONSTANCE	609 PEDEN ST	HOUSTON	TX	77006-1423	609 PEDEN ST	HOUSTON	TX	77006
1228520010001	NGUYEN SUONG & HOANG	PO BOX 55234	HOUSTON	TX	77255-5234	1952 MONTROSE BLVD	HOUSTON	TX	77006
1228520010002	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WILLARD ST ROW	HOUSTON	TX	77006
1229140010001	DAVIS ROBERT T	2937 W DALLAS ST	HOUSTON	TX	77019-4031	2937 W DALLAS ST	HOUSTON	TX	77019
1229140010002	SIT KENNETH	2935 W DALLAS ST	HOUSTON	TX	77019-4031	2935 W DALLAS ST	HOUSTON	TX	77019
1229140010003	MARCO A GUTTI FAMILY LP	1909 KIRBY DR	HOUSTON	TX	77019-3417	2933 W DALLAS ST	HOUSTON	TX	77019
1229140010004	CLAXTON RODNEY	4400 MEMORIAL DR # 3042	HOUSTON	TX	77007-7389	2931 W DALLAS ST	HOUSTON	TX	77019
1229140010005	RUFFNER TERESA	2929 W DALLAS ST	HOUSTON	TX	77019-4031	2929 W DALLAS ST	HOUSTON	TX	77019
1229140010006	GALVEZ GARY F	2927 W DALLAS ST	HOUSTON	TX	77019-4031	2927 W DALLAS ST	HOUSTON	TX	77019
1229140010007	CHAHARLANGI HANNAH	2925 W DALLAS ST	HOUSTON	TX	77019-4031	2925 W DALLAS ST	HOUSTON	TX	77019
1229140010008	ALPERT ARIELA	2923 W DALLAS ST	HOUSTON	TX	77019-4031	2923 W DALLAS ST	HOUSTON	TX	77019
1229140010009	FARMEN AMALIA A	2921 W DALLAS ST	HOUSTON	TX	77019-4031	2921 W DALLAS ST	HOUSTON	TX	77019
1229140010010	BINKLEY ROBERT T & ERICA J	849 SIGNATURE CV	LEAGUE CITY	TX	77573-1527	1012 JOE ANNIE ST	HOUSTON	TX	77019
1229140010011	LIND JOHN P	1010 JOE ANNIE ST	HOUSTON	TX	77019-4034	1010 JOE ANNIE ST	HOUSTON	TX	77019
1229140010012	SHARPE LINDA A	1008 JOE ANNIE ST	HOUSTON	TX	77019-4034	1008 JOE ANNIE ST	HOUSTON	TX	77019
1229140010013	CHUNG YONG	1006 JOE ANNIE ST	HOUSTON	TX	77019-4034	1006 JOE ANNIE ST	HOUSTON	TX	77019
1229140010014	CURRENT OWNER	1303 KENT OAK DR	HOUSTON	TX	77077-2524	1004 JOE ANNIE ST	HOUSTON	TX	77019
1229140010015	WOLFF LISA	1002 JOE ANNIE ST	HOUSTON	TX	77019-4034	1002 JOE ANNIE ST	HOUSTON	TX	77019
1229140010016	GONZALEZ VALENTINA	1001 PEVETO ST	HOUSTON	TX	77019-4014	1001 PEVETO ST	HOUSTON	TX	77019
1229140010017	GONZALEZ GUILLERMO	1005 PEVETO ST	HOUSTON	TX	77019-4014	1005 PEVETO ST	HOUSTON	TX	77019
1229150010001	CLARK RYAN C	2304 PECKHAM ST	HOUSTON	TX	77019-6436	2917 W DALLAS ST	HOUSTON	TX	77019
1229150010002	ALLEN JON & SUSAN	2915 W DALLAS ST	HOUSTON	TX	77019-4007	2915 W DALLAS ST	HOUSTON	TX	77019
1229150010003	ROSE NATALIE J	2913 W DALLAS ST	HOUSTON	TX	77019-4007	2913 W DALLAS ST	HOUSTON	TX	77019
1229150010004	VALLS EMMA	2911 W DALLAS ST	HOUSTON	TX	77019-4007	2911 W DALLAS ST	HOUSTON	TX	77019
1229150010005	HALEY THOMAS D	2909 W DALLAS ST	HOUSTON	TX	77019-4007	2909 W DALLAS ST	HOUSTON	TX	77019
1229150010006	SCHNEIDER KENNETH & RENATE	2907 W DALLAS ST	HOUSTON	TX	77019-4007	2907 W DALLAS ST	HOUSTON	TX	77019
1229150010007	MURATA JONATHAN D & ALYSSA M	3716 KIKIWI RD APT A	KALAHEO	HI	96741-8718	2905 W DALLAS ST	HOUSTON	TX	77019
1229150010008	BYRD JONI G	2903 W DALLAS ST	HOUSTON	TX	77019-4007	2903 W DALLAS ST	HOUSTON	TX	77019
1229150010009	MCREYNOLDS KRISTIN N	2901 W DALLAS ST	HOUSTON	TX	77019-4007	2901 W DALLAS ST	HOUSTON	TX	77019
1229150010010	HOFFMAN DAVID J & LAURA P	51 GINGER JAR ST	SPRING	TX	77382-2806	1008 LA RUE ST	HOUSTON	TX	77019

1229150010011	KUSIAK DAGMAR E	1010 LA RUE ST	HOUSTON	TX	77019-4121	1010 LA RUE ST	HOUSTON	TX	77019
1229150010012	SHAYGAN REZA	1010 ROSINE UNIT 208	HOUSTON	TX	77019-3868	1012 LA RUE ST	HOUSTON	TX	77019
1229150010013	JAGANNATHAN MEERA	1014 LA RUE ST	HOUSTON	TX	77019-4121	1014 LA RUE ST	HOUSTON	TX	77019
1229150010014	FLORENCE BRYAN	1016 LA RUE ST	HOUSTON	TX	77019-4121	1016 LA RUE ST	HOUSTON	TX	77019
1229150010015	NGUYEN CHRISTINE CHAU	1018 LA RUE ST	HOUSTON	TX	77019-4121	1018 LA RUE ST	HOUSTON	TX	77019
1229150010026	SHAHEEN GLENN CHRISTOPHER	1026 LA RUE ST	HOUSTON	TX	77019-4121	1026 LA RUE ST	HOUSTON	TX	77019
1229150010027	IVANY BRIAN M	1717 PARANA DR	HOUSTON	TX	77080-7115	1020 LA RUE ST	HOUSTON	TX	77019
1229150010028	HANNAWI JULIE	1022 LA RUE ST	HOUSTON	TX	77019-4121	1022 LA RUE ST	HOUSTON	TX	77019
1229150010029	PFENNING CHERYL E	1024 LA RUE ST	HOUSTON	TX	77019-4121	1024 LA RUE ST	HOUSTON	TX	77019
1229150010030	RASSVET LLC	506 KNOX ST	HOUSTON	TX	77007-7113	1006 LA RUE ST	HOUSTON	TX	77019
1229150010031	PERRY ALLISON C	1004 LA RUE ST	HOUSTON	TX	77019-4121	1004 LA RUE ST	HOUSTON	TX	77019
1229150010032	CATERCYKER ZACHARY D	1002 LA RUE ST	HOUSTON	TX	77019-4121	1002 LA RUE ST	HOUSTON	TX	77019
1229150010033	DIOH NDIBA	1001 JOE ANNIE ST	HOUSTON	TX	77019-4004	1001 JOE ANNIE ST	HOUSTON	TX	77019
1229150010034	CLAXTON DEBRA F	1003 JOE ANNIE ST	HOUSTON	TX	77019-4004	1003 JOE ANNIE ST	HOUSTON	TX	77019
1229150010035	ZOBNIW CHRYSTIA	1005 JOE ANNIE ST	HOUSTON	TX	77019-4004	1005 JOE ANNIE ST	HOUSTON	TX	77019
1229150010036	LANFRANCHI CLAUDIO	1007 JOE ANNIE ST	HOUSTON	TX	77019-4004	1007 JOE ANNIE ST	HOUSTON	TX	77019
1229150010037	HOFMEISTER KERRY J	1009 JOE ANNIE ST	HOUSTON	TX	77019-4004	1009 JOE ANNIE ST	HOUSTON	TX	77019
1229150010038	LOGEAIS THIERRY % CHRISTOPHER BARRERA	1011 JOE ANNIE ST	HOUSTON	TX	77019-4004	1011 JOE ANNIE ST	HOUSTON	TX	77019
1229150010039	SANDLER CAMILLE E	1026 W 42ND ST	HOUSTON	TX	77018-4314	1013 JOE ANNIE ST	HOUSTON	TX	77019
1229150010040	ALEXANDER DAVID B	1015 JOE ANNIE ST	HOUSTON	TX	77019-4004	1015 JOE ANNIE ST	HOUSTON	TX	77019
1229150010041	WANG YUEMING	1017 JOE ANNIE ST	HOUSTON	TX	77019-4004	1017 JOE ANNIE ST	HOUSTON	TX	77019
1229150010042	SHAMSHY SHAKIR	815 POINTE LOMA DR	SUGAR LAND	TX	77479-5915	1019 JOE ANNIE ST	HOUSTON	TX	77019
1229150010043	ESMEROK IBRAHIM B & BURCU CIGERLI	1021 JOE ANNIE ST	HOUSTON	TX	77019-4004	1021 JOE ANNIE ST	HOUSTON	TX	77019
1229150020001	STILL MICHAEL J	1032 LA RUE ST	HOUSTON	TX	77019-4121	1032 LA RUE ST	HOUSTON	TX	77019
1229150020002	ARJONA JUAN F C/O FALCON MANAGEMENT	1034 LA RUE ST	HOUSTON	TX	77019-4121	1034 LA RUE ST	HOUSTON	TX	77019
1229150020003	TSAI PIN CHE	1036 LA RUE ST	HOUSTON	TX	77019-4121	1036 LA RUE ST	HOUSTON	TX	77019
1229150020004	ROYAL NICOLE	1038 LA RUE ST	HOUSTON	TX	77019-4121	1038 LA RUE ST	HOUSTON	TX	77019
1229150020005	HOMFELD CARLTON D & LACINDA A	1040 LA RUE ST	HOUSTON	TX	77019-4121	1040 LA RUE ST	HOUSTON	TX	77019
1229150020006	BUSH RUTH L	1046 LA RUE ST	HOUSTON	TX	77019-4121	1046 LA RUE ST	HOUSTON	TX	77019
1229150020007	RAMEY JASON D & MONICA D	5270 TOWN AND COUNTRY BLVD AI	FRISCO	TX	75034-9670	1044 LA RUE ST	HOUSTON	TX	77019
1229150020008	DEJOHN SAMANTHA	1506 RONSON RD	HOUSTON	TX	77055-3220	1042 LA RUE ST	HOUSTON	TX	77019
1229150020009	WILLBORN JAMES C	1030 LA RUE ST	HOUSTON	TX	77019-4121	1030 LA RUE ST	HOUSTON	TX	77019
1229150020010	MOLAISON MICHAEL W & JERIJEAN	1028 LA RUE ST	HOUSTON	TX	77019-4121	1028 LA RUE ST	HOUSTON	TX	77019
1229310010001	LEE MATHEW	1012 CROCKER ST	HOUSTON	TX	77019-4338	1012 CROCKER ST	HOUSTON	TX	77019

1229310010002	GRAYSON DEREK DEAN	1010 CROCKER ST	HOUSTON	TX	77019-4338	1010 CROCKER ST	HOUSTON	TX	77019
1233940010001	CURRENT OWNER	1620 SAULNIER ST	HOUSTON	TX	77019-4534	1620 SAULNIER ST	HOUSTON	TX	77019
1233940010002	CAMANGON ANDREA	1618 SAULNIER ST	HOUSTON	TX	77019-4534	1618 SAULNIER ST	HOUSTON	TX	77019
1233940010003	VASILJEV ANDREY	4224 CENTER ST	HOUSTON	TX	77007-5614	1616 SAULNIER ST	HOUSTON	TX	77019
1233940010004	BERRY NKENGE T	1614 SAULNIER ST	HOUSTON	TX	77019-4534	1614 SAULNIER ST	HOUSTON	TX	77019
1233940020001	MIDTOWN BETHS LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	1616 ROBIN ST	HOUSTON	TX	77019
1233940020002	OTOU VALERIE	1614 ROBIN ST	HOUSTON	TX	77019-4530	1614 ROBIN ST	HOUSTON	TX	77019
1233940020003	BAUER KIRK	1612 ROBIN ST	HOUSTON	TX	77019-4530	1612 ROBIN ST	HOUSTON	TX	77019
1233940020004	BRUNET MINAKO	1612A ROBIN ST	HOUSTON	TX	77019-4530	1612 ROBIN ST	HOUSTON	TX	77019
1233940030001	IBARRA SUSANA C	1604 ROBIN ST	HOUSTON	TX	77019-4530	1604 ROBIN ST	HOUSTON	TX	77019
1233940030002	HOU-TEX REDEVELOPMENT	9545 KATY FWY STE 125	HOUSTON	TX	77024-1461	0 GILLETTE ST	HOUSTON	TX	77019
1234420010001	LYNES KRYSIA L	1914 W MCKINNEY ST UNIT A	HOUSTON	TX	77019-2636	1914 W MCKINNEY ST	HOUSTON	TX	77019
1234420010002	SANFAMON II LLC	5921 SHADY RIVER DR	HOUSTON	TX	77057-1312	1914 W MCKINNEY ST	HOUSTON	TX	77019
1236550010001	TAFT VENTURE LTD	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	0 RHODE PL	HOUSTON	TX	77019
1236550010002	TAFT VENTURE LTD	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	0 RHODE PL	HOUSTON	TX	77019
1236950010001	WEST DALLAS WAUGH LTD	2410 POLK ST STE 200	HOUSTON	TX	77003-4341	1001 WAUGH DR	HOUSTON	TX	77019
1236950010002	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 PEVETO ST ROW	HOUSTON	TX	77019
1236950010003	WEST DALLAS WAUGH LTD	2410 POLK ST STE 200	HOUSTON	TX	77003-4341	1005 WAUGH DR	HOUSTON	TX	77019
1236950010004	WAUGH RETAIL LTD	2410 POLK ST STE 200	HOUSTON	TX	77003-4341	0 WAUGH DR	HOUSTON	TX	77019
1240930010001	320 WEST GRAY LLC	2800 NEWMAN ST	HOUSTON	TX	77098-1408	320 W GRAY ST	HOUSTON	TX	77019
1242250010001	CURRENT OWNER	1219 W CLAY ST	HOUSTON	TX	77019-4107	1219 W CLAY ST	HOUSTON	TX	77019
1242250010002	GRAY ANTHONY I	1217 W CLAY ST	HOUSTON	TX	77019-4107	1217 W CLAY ST	HOUSTON	TX	77019
1243710010001	FARSIGHT HOSPITALITY GROUP LLC	311 S GATE STONE	HOUSTON	TX	77007-8343	1118 COLUMBUS ST # B	HOUSTON	TX	77019
1243710010002	DARNELL JEANETTE D	22 PENDLETON PARK PT	SPRING	TX	77382-1679	1118 COLUMBUS ST # A	HOUSTON	TX	77019
1243710010003	RODRIQUEZ JUAN DAVID BASTOS	1116 COLUMBUS ST	HOUSTON	TX	77019-4344	1116 COLUMBUS ST	HOUSTON	TX	77019
1243710010004	DAVENPORT MICHAEL	1114 COLUMBUS ST	HOUSTON	TX	77019-4344	1114 COLUMBUS ST	HOUSTON	TX	77019
1243710010005	COLE HEATHER D	1112 COLUMBUS ST APT B	HOUSTON	TX	77019-4344	1112 COLUMBUS ST # B	HOUSTON	TX	77019
1243710010006	TURNER KELLY L	1112 COLUMBUS ST # A	HOUSTON	TX	77019-4344	1112 COLUMBUS ST # A	HOUSTON	TX	77019
1244130010001	FEDERAL RESERVE BANK DALLAS	1801 ALLEN PKY	HOUSTON	TX	77019-2507	1801 ALLEN PKY	HOUSTON	TX	77019
1244130010002	FEDERAL RESERVE BANK DALLAS	1801 ALLEN PKY	HOUSTON	TX	77019-2507	1801 ALLEN PKY	HOUSTON	TX	77019
1246740000001	KELLY LINDA & HERB	1419 MONTROSE BLVD UNIT 201	HOUSTON	TX	77019-4273	1419 MONTROSE BLVD # 201	HOUSTON	TX	77019
1246740000002	SHAW SUSAN M	1419 MONTROSE BLVD # 202	HOUSTON	TX	77019-4273	1419 MONTROSE BLVD # 202	HOUSTON	TX	77019
1246740000003	WEILAND RICHARD	1419 MONTROSE BLVD UNIT 203	HOUSTON	TX	77019-4273	1419 MONTROSE BLVD # 203	HOUSTON	TX	77019
1246740000004	PINN ANTHONY B	1722 ELMEN ST	HOUSTON	TX	77019-5702	1419 MONTROSE BLVD # 204	HOUSTON	TX	77019

1246740000005	GRAF RAY	31 HEWIT DR	CORPUS CHRI	TX	78404-1662	1419 MONTROSE BLVD # 205	HOUSTON	TX	77019
1246740000006	GUTIERREZ DANIEL	1419 MONTROSE BLVD UNIT 206	HOUSTON	TX	77019-4273	1419 MONTROSE BLVD # 206	HOUSTON	TX	77019
1246740000007	HUCK CHARLES	1419 MONTROSE BLVD UNIT 301	HOUSTON	TX	77019-4274	1419 MONTROSE BLVD # 301	HOUSTON	TX	77019
1246740000008	BOUTELL ROBERT	1419 MONTROSE BLVD #302	HOUSTON	TX	77019	1419 MONTROSE BLVD UNIT 302	HOUSTON	TX	77019
1246740000009	NGUYEN TRANG	2005 BAYCLIFF CT	PEARLAND	TX	77584-8181	1419 MONTROSE BLVD # 303	HOUSTON	TX	77019
1246740000010	SHAPIRO ALEXANDER	1419 MONTROSE BLVD UNIT 304	HOUSTON	TX	77019-4274	1419 MONTROSE BLVD # 304	HOUSTON	TX	77019
1246740000011	DAVIS JEFF	1419 MONTROSE BLVD 305	HOUSTON	TX	77019-4274	1419 MONTROSE BLVD # 305	HOUSTON	TX	77019
1246740000012	KOLOS KEVIN J	1419 MONTROSE BLVD UNIT 306	HOUSTON	TX	77019-4274	1419 MONTROSE BLVD UNIT 306	HOUSTON	TX	77019
1246740000013	THOMAS CARY S	1419 MONTROSE BLVD UNIT 401	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD UNIT 401	HOUSTON	TX	77019
1246740000014	SHAW JEFFREY ADAM	1419 MONTROSE BLVD UNIT 402	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD UNIT 402	HOUSTON	TX	77019
1246740000015	BLANC CHRISTOPHER V & CHRISTIN M	1419 MONTROSE BLVD UNIT 403	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD #403	HOUSTON	TX	77019
1246740000016	REESE KESLIE D	1419 MONTROSE BLVD UNIT 404	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD UNIT 404	HOUSTON	TX	77019
1246740000017	ARENSCHIELDT CHARLES R IV	1419 MONTROSE BLVD UNIT 405	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD UNIT 405	HOUSTON	TX	77019
1246740000018	HEINTZ ALIA Y	1419 MONTROSE BLVD UNIT 406	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD UNIT 406	HOUSTON	TX	77019
1246740000019	REYES GERARDO & JACQUELIN	1419 MONTROSE BLVD 501	HOUSTON	TX	77019-4276	1419 MONTROSE BLVD 501	HOUSTON	TX	77019
1246740000020	GOOBAR ADRIANA M	1419 MONTROSE BLVD UNIT 502	HOUSTON	TX	77019-4276	1419 MONTROSE BLVD UNIT 502	HOUSTON	TX	77019
1246740000021	BALLARD RONALD W	1419 MONTROSE BLVD UNIT 503	HOUSTON	TX	77019-4276	1419 MONTROSE BLVD #503	HOUSTON	TX	77019
1246740000022	CURRENT OWNER	1419 MONTROSE BLVD UNIT 504	HOUSTON	TX	77019-4276	1419 MONTROSE BLVD UNIT 504	HOUSTON	TX	77019
1246740000023	ASMUS SCOTT	1419 MONTROSE BLVD APT 505	HOUSTON	TX	77019-4276	1419 MONTROSE BLVD APT 505	HOUSTON	TX	77019
1246740000024	MALING SAM W	1419 MONTROSE BLVD UNIT 506	HOUSTON	TX	77019-4276	1419 MONTROSE BLVD UNIT 506	HOUSTON	TX	77019
1246740000025	RUMPPE MILES E	1419 MONTROSE BLVD UNIT 601	HOUSTON	TX	77019-4277	1419 MONTROSE BLVD UNIT 601	HOUSTON	TX	77019
1246740000026	SCAVONE ROBERT	1419 MONTROSE BLVD UNIT 602	HOUSTON	TX	77019-4277	1419 MONTROSE BLVD UNIT 602	HOUSTON	TX	77019
1246740000027	WALSH KENDA & FRED M JR	1419 MONTROSE BLVD UNIT 603	HOUSTON	TX	77019-4277	1419 MONTROSE BLVD UNIT 603	HOUSTON	TX	77019
1246740000028	SMITH JEFFREY R	1803 LANTANA CT	SOUTHLAKE	TX	76092-3571	1419 MONTROSE BLVD # 604	HOUSTON	TX	77019
1246740000029	WOOD KATHRYN A	122 BAYSIDE ST	LIVINGSTON	TX	77351-2395	1419 MONTROSE BLVD # 605	HOUSTON	TX	77019
1246740000030	SWEENEY MICHELLE	1419 MONTROSE BLVD 606	HOUSTON	TX	77019-4272	1419 MONTROSE BLVD 606	HOUSTON	TX	77019
1246740000031	B & G FOOD LLC	PO BOX 3608	MORGAN CIT	LA	70381-3608	1419 MONTROSE BLVD #701	HOUSTON	LA	77019
1246740000032	SMOLIK INTERESTS LP	1419 MONTROSE BLVD UNIT 702	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD UNIT 702	HOUSTON	TX	77019
1246740000033	GILLIN MICHAEL	1419 MONTROSE BLVD # 703	HOUSTON	TX	77019-4275	1419 MONTROSE BLVD # 703	HOUSTON	TX	77019
1246740000034	JALUFKA VALERIE A	1419 MONTROSE BLVD UNIT 704	HOUSTON	TX	77019-4276	1419 MONTROSE BLVD UNIT 704	HOUSTON	TX	77019
1246750010001	ALUMINUM CITADEL LLC	204 2ND AVE PMB 915	SAN MATEO	CA	94401-3904	1306 EBERHARD ST	HOUSTON	TX	77019
1248440010001	MACHADO JOSEPH	1720 MICHIGAN ST	HOUSTON	TX	77006-1722	1803 ONEIL ST # A	HOUSTON	TX	77019
1250020010001	BLUM THEODORE	3333 ALLEN PKWY UNIT 2604	HOUSTON	TX	77019-1850	3231 ALLEN PKY # 1101	HOUSTON	TX	77019
1250020010002	WALKER WILLIAM M	3231 ALLEN PKWY # 1102	HOUSTON	TX	77019-1813	3231 ALLEN PKWY # 1102	HOUSTON	TX	77019

1250020010003	NAMANI SARAH K	3231 ALLEN PKWY # 1103	HOUSTON	TX	77019	3231 ALLEN PKWY # 1103	HOUSTON	TX	77019
1250020010004	TRAN JENNA L	3231 ALLEN PKWY UNIT 1104	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1104	HOUSTON	TX	77019
1250020010005	RYBERG ERIC J	3231 ALLEN PKWY 1105	HOUSTON	TX	77019	3231 ALLEN PKWY 1105	HOUSTON	TX	77019
1250020010006	GHAZI MANAGEMENT LP	3231 ALLEN PKWY APT 1106	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1106	HOUSTON	TX	77019
1250020010007	ASHBY KEITH	3231 ALLEN PKWY APT 1107	HOUSTON	TX	77019-1813	3231 ALLEN PKY #1107	HOUSTON	TX	77019
1250020010008	VILLARONGA NILSA M	3231 ALLEN PKWY APT 1108	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1108	HOUSTON	TX	77019
1250020010009	MOJGIAN EMKANIAN	3231 ALLEN PKWY UNIT 1109	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1109	HOUSTON	TX	77019
1250020010010	BRENNAN MATTHEW	1414A W 26TH ST	HOUSTON	TX	77008-1624	3231 ALLEN PKY #1110	HOUSTON	TX	77019
1250020010011	THE DOUGLAS-CHRISTIANSON LIVING TRUST	13610 FREER CT	CYPRESS	TX	77429-6391	3231 ALLEN PKY # 1111	HOUSTON	TX	77019
1250020010012	COFFEE LEE N JR	2222 MARONEAL ST APT 641	HOUSTON	TX	77030-3259	3231 ALLEN PKY # 1112	HOUSTON	TX	77019
1250020010013	DIGA HOLDINGS LLC	712 COUNTRY PLACE DR UNIT 1	HOUSTON	TX	77079-8502	3231 ALLEN PKY # 1113	HOUSTON	TX	77019
1250020010014	LAGUNA-APONTE DAVID	3231 ALLEN PKWY APT 1114	HOUSTON	TX	77019-1813	3231 ALLEN PKWY APT 1114	HOUSTON	TX	77019
1250020010015	VALDEZ SCOTT J	3231 ALLEN PKY # 1115	HOUSTON	TX	77019	3231 ALLEN PKY # 1115	HOUSTON	TX	77019
1250020010016	SALAZAR JAVIER	221 CAMINO BAILEN	ESCONDIDO	CA	92029-7413	3231 ALLEN PKY # 1116	HOUSTON	TX	77019
1250020010017	KINAS BARBARA JEANNE	3231 ALLEN PKWY APT 1201	HOUSTON	TX	77019	3231 ALLEN PKY # 1201	HOUSTON	TX	77019
1250020010018	BORRELLO DANILO SALVATORE	2301 33RD ST	ASTORIA	NY	11105-2401	3231 ALLEN PKY #1202	HOUSTON	NY	77019
1250020010019	COLES KATHLEEN A & WARREN I	22 KINGSCOTE WAY	SPRING	TX	77382-2703	3231 ALLEN PKY # 1203	HOUSTON	TX	77019
1250020010020	MILBURN ERICA LYNN	3231 ALLEN PKWY UNIT 1204	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1204	HOUSTON	TX	77019
1250020010021	NGUYEN SUSAN	18035 OAKRIDGE CANYON LN	RICHMOND	TX	77407-3293	3231 ALLEN PKY # 1205	HOUSTON	TX	77019
1250020010022	LEISSNER JOHN	3231 ALLEN PKWY APT 1206	HOUSTON	TX	77019	3231 ALLEN PKY # 1206	HOUSTON	TX	77019
1250020010023	SUTTON MARY E	3231 ALLEN PKWY APT 1207	HOUSTON	TX	77019	3231 ALLEN PKY # 1207	HOUSTON	TX	77019
1250020010024	TIU SANDY & ANNA	3231 ALLEN PKWY APT 1208	HOUSTON	TX	77019	3231 ALLEN PKY # 1208	HOUSTON	TX	77019
1250020010025	HUYNH WEE	3231 ALLEN PKWY UNIT 1209	HOUSTON	TX	77019	3231 ALLEN PKY # 1209	HOUSTON	TX	77019
1250020010026	WINGERSON AUSTIN	3231 ALLEN PKY # 1210	HOUSTON	TX	77019	3231 ALLEN PKY # 1210	HOUSTON	TX	77019
1250020010027	KENDALL DONALD	720 KUHLMAN RD	HOUSTON	TX	77024-5502	3231 ALLEN PKY # 1211	HOUSTON	TX	77019
1250020010028	MARROQUIN SONIA ESTHER	3231 ALLEN PKWY UNIT 1212	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1212	HOUSTON	TX	77019
1250020010029	CURRENT OWNER	11 DUNLIN MEADOW CT	SPRING	TX	77381-2641	3231 ALLEN PKY # 1213	HOUSTON	TX	77019
1250020010030	MEDINA GERARDO	3231 ALLEN PKWY APT 1214	HOUSTON	TX	77019	3231 ALLEN PKY # 1214	HOUSTON	TX	77019
1250020010031	ZHENG DANDAN	3916 NOTTINGHAM BLUFF LN	KATY	TX	77494	3231 ALLEN PKY # 1215	HOUSTON	TX	77019
1250020010032	COLTON BARBARA	3231 ALLEN PKWY APT 1216	HOUSTON	TX	77019	3231 ALLEN PKY # 1216	HOUSTON	TX	77019
1250020010033	SODROK MATTHEW	3231 ALLEN PKWY APT 1301	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1301	HOUSTON	TX	77019
1250020010034	HERNANDEZ NORMA G	3231 ALLEN PKWY APT 1302	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1302	HOUSTON	TX	77019
1250020010035	BROOKS JULIAN	3231 ALLEN PKWY STE 1303	HOUSTON	TX	77019-1816	3231 ALLEN PKY #1303	HOUSTON	TX	77019
1250020010036	SEBY LLC	5900 BALCONES DR # 100	AUSTIN	TX	78731-4298	3231 ALLEN PKY # 1304	HOUSTON	TX	77019

1250020010037	ERIKS CHRISTINE M	3231 ALLEN PKWY UNIT 1305	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1305	HOUSTON	TX	77019
1250020010038	QUIROGA LUISA	3231 ALLEN PKWY APT 1306	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1306	HOUSTON	TX	77019
1250020010039	MAITY ANINDYA	3231 ALLEN PKWY UNIT 1307	HOUSTON	TX	77019-1816	3231 ALLEN PKY #1307	HOUSTON	TX	77019
1250020010040	ELMOUSSA CHARLES	3231 ALLEN PKWY APT 1308	HOUSTON	TX	77019	3231 ALLEN PKY # 1308	HOUSTON	TX	77019
1250020010041	FOURNET LEWIS P	3231 ALLEN PKWY UNIT 1309	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1309	HOUSTON	TX	77019
1250020010042	MIKULENKA GENE H	3231 ALLEN PKWY UNIT 1310	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1310	HOUSTON	TX	77019
1250020010043	NGUYEN KIMANH	3231 ALLEN PKWY APT 1311	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1311	HOUSTON	TX	77019
1250020010044	MAHMOUDY SAEID	3231 ALLEN PKWY UNIT 1312	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1312	HOUSTON	TX	77019
1250020010045	CAPRIO KELLY M	3231 ALLEN PKWY UNIT 1313	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 1313	HOUSTON	TX	77019
1250020010046	FREEMAN MICHAEL & SUSAN	3231 ALLEN PKWY APT 1314	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1314	HOUSTON	TX	77019
1250020010047	GAONA VANESSA N	3231 ALLEN PKWY APT 1315	HOUSTON	TX	77019	3231 ALLEN PKWY APT 1315	HOUSTON	TX	77019
1250020010048	JUNKIN FREDERICK D	109 OAK GLEN CV	AUSTIN	TX	78734-3401	3231 ALLEN PKY # 1316	HOUSTON	TX	77019
1250020020001	HARO MARIO	3231 ALLEN PKWY APT 2101	HOUSTON	TX	77019	3231 ALLEN PKWY APT 2101	HOUSTON	TX	77019
1250020020002	RIVERA PAOLA A	3231 ALLEN PKWY APT 2102	HOUSTON	TX	77019	3231 ALLEN PKWY APT 2102	HOUSTON	TX	77019
1250020020003	KIENAST KURT J	3231 ALLEN PKY # 2103	HOUSTON	TX	77019	3231 ALLEN PKY # 2103	HOUSTON	TX	77019
1250020020004	ATKISON DRU P	3231 ALLEN PKWY APT 2104	HOUSTON	TX	77019-1817	3231 ALLEN PKY #2104	HOUSTON	TX	77019
1250020020005	SMITH SHARON	3231 ALLEN PKWY UNIT 2105	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 2105	HOUSTON	TX	77019
1250020020006	OKANO KAZUMI	3231 ALLEN PKWY STE 2106	HOUSTON	TX	77019	3231 ALLEN PKWY STE 2106	HOUSTON	TX	77019
1250020020007	VIDAL MARIA LUZ ABEIJON	3231 ALLEN PKWY APT 2107	HOUSTON	TX	77019-1817	3231 ALLEN PKY # 2107	HOUSTON	TX	77019
1250020020008	STILES KEVIN L	3231 ALLEN PKY UNIT 2108	HOUSTON	TX	77019	3231 ALLEN PKY # 2108	HOUSTON	TX	77019
1250020020009	ANSARI SARAH	3231 ALLEN PKWY APT 2201	HOUSTON	TX	77019-1818	3231 ALLEN PKY #2201	HOUSTON	TX	77019
1250020020010	BURGESS RANDALL	3231 ALLEN PKWY APT 2202	HOUSTON	TX	77019-1818	3231 ALLEN PKY #2202	HOUSTON	TX	77019
1250020020011	3231 ALLEN PKWY NO 2203 LLC	2205 HULDY ST	HOUSTON	TX	77019-6519	3231 ALLEN PKY #2203	HOUSTON	TX	77019
1250020020012	FUSANO WILLIAM P & LINDA	3231 ALLEN PKWY APT 2204	HOUSTON	TX	77019	3231 ALLEN PKY # 2204	HOUSTON	TX	77019
1250020020013	CAVAZOS ADAM	188 BIDWELL PKWY	BUFFALO	NY	14222-1262	3231 ALLEN PKY #2205	HOUSTON	NY	77019
1250020020014	CHAN TAK SHING	3231 ALLEN PKWY APT 2206	HOUSTON	TX	77019	3231 ALLEN PKWY APT 2206	HOUSTON	TX	77019
1250020020015	CURRENT OWNER	3231 ALLEN PKWY UNIT 2207	HOUSTON	TX	77019	3231 ALLEN PKY # 2207	HOUSTON	TX	77019
1250020020016	WANG DON X & HANBO	2523 SAND SHORE DR	CONROE	TX	77304-1524	3231 ALLEN PKY # 2208	HOUSTON	TX	77019
1250020020017	CORNELISSE ELWIN	4 ROBIN SPRINGS PL	SPRING	TX	77381-3108	3231 ALLEN PKY # 2301	HOUSTON	TX	77019
1250020020018	ZHANG NANCY N	1810 BINGHAM ST # A	HOUSTON	TX	77007-4006	3231 ALLEN PKY # 2302	HOUSTON	TX	77019
1250020020019	NG CHERLYN J	5151 EDLOE ST	HOUSTON	TX	77005-1102	3231 ALLEN PKY # 2303	HOUSTON	TX	77019
1250020020020	SABAWALA ANISSA	3231 ALLEN PKY # 2304	HOUSTON	TX	77019	3231 ALLEN PKY # 2304	HOUSTON	TX	77019
1250020020021	MANGUS ASHLEIGH	3231 ALLEN PKY # 2305	HOUSTON	TX	77019	3231 ALLEN PKY # 2305	HOUSTON	TX	77019
1250020020022	ACEYCOHEN TERRI	3231 ALLEN PKWY APT 2306	HOUSTON	TX	77019-1820	3231 ALLEN PKY #2306	HOUSTON	TX	77019

1250020020023	HERRERA ANTHONY JOE	3231 ALLEN PKY UNIT 2307	HOUSTON	TX	77019	3231 ALLEN PKY # 2307	HOUSTON	TX	77019
1250020020024	GARZA ALBERTO RODRIGUEZ	9314 WILLOWVIEW LN	HOUSTON	TX	77080-7425	3231 ALLEN PKY # 2308	HOUSTON	TX	77019
1250020030001	LORENZ JOEL A	3231 ALLEN PKWY UNIT 3101	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 3101	HOUSTON	TX	77019
1250020030002	PERALTA PAULA	3231 ALLEN PKWY APT 3102	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3102	HOUSTON	TX	77019
1250020030003	MORRIS TOMMY R & LISA A	3231 ALLEN PKY # 3103	HOUSTON	TX	77019	3231 ALLEN PKY # 3103	HOUSTON	TX	77019
1250020030004	MARIN RUDOLPH M JR	3231 ALLEN PKWY APT 3104	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3104	HOUSTON	TX	77019
1250020030005	PASUPULETI SRINIVASA S	3231 ALLEN PKWY APT 3105	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3105	HOUSTON	TX	77019
1250020030006	CAULEY WESLEY K	3231 ALLEN PKWY UNIT 3106	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 3106	HOUSTON	TX	77019
1250020030007	LIEBOFF STUART	3231 ALLEN PKWY UNIT 3107	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 3107	HOUSTON	TX	77019
1250020030008	CHAVEZ GABRIELA A	3231 ALLEN PKY UNIT 3108	HOUSTON	TX	77019	3231 ALLEN PKY UNIT 3108	HOUSTON	TX	77019
1250020030009	WINKLER DENNIS E & KATHLEEN	3231 ALLEN PKWY APT 3201	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3201	HOUSTON	TX	77019
1250020030010	ELMAN SARA	3231 ALLEN PKWY # 3202	HOUSTON	TX	77019	3231 ALLEN PKWY # 3202	HOUSTON	TX	77019
1250020030011	CASTRO JOSEFINA P	3231 ALLEN PKWY APT 3203	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3203	HOUSTON	TX	77019
1250020030012	READHIMER MARVIN & BLANCA	PO BOX 929	GLENVIEW	IL	60025-0929	3231 ALLEN PKY # 3204	HOUSTON	TX	77019
1250020030013	AFANADOR CARLOS S &	3231 ALLEN PKWY APT 3205	HOUSTON	TX	77019-1822	3231 ALLEN PKY #3205	HOUSTON	TX	77019
1250020030014	DEPAOLA KEVIN	3231 ALLEN PKWY APT 3206	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3206	HOUSTON	TX	77019
1250020030015	BOUSHKA ANDREW	3231 ALLEN PKWY STE 3207	HOUSTON	TX	77019-1822	3231 ALLEN PKY #3207	HOUSTON	TX	77019
1250020030016	NAKAZAWA-TAYLOR CHIKA	3231 ALLEN PKWY APT 3208	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3208	HOUSTON	TX	77019
1250020030017	WEIK HICHAM & LOURDES	19022 AZALEA GLEN CT	HOUSTON	TX	77084-4952	3231 ALLEN PKY # 3301	HOUSTON	TX	77019
1250020030018	KIENAST KURT W & LUZ E	3231 ALLEN PKWY APT 3302	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3302	HOUSTON	TX	77019
1250020030019	TITTLE SUSAN SKIPP	3231 ALLEN PKWY APT 3303	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3303	HOUSTON	TX	77019
1250020030020	HORNE GERALD C	3231 ALLEN PKWY APT 3304	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3304	HOUSTON	TX	77019
1250020030021	TREAGER DEVELOPMENT LLC	3231 ALLEN PKWY UNIT 3305	HOUSTON	TX	77019	3231 ALLENPKWY UNIT 3305	HOUSTON	TX	77019
1250020030022	GONGORA JESSE	3231 ALLEN PKWY APT 3306	HOUSTON	TX	77019	3231 ALLEN PKWY APT 3306	HOUSTON	TX	77019
1250020030023	THOMPSON CORINNE	3231 ALLEN PKWY 3307	HOUSTON	TX	77019	3231 ALLEN PKWY 3307	HOUSTON	TX	77019
1250020030024	LEE CHARLES J	1203 GROSS ST	HOUSTON	TX	77019	3231 ALLEN PKY # 3308	HOUSTON	TX	77019
1250020040001	VO DON	3231 ALLEN PKWY UNIT 4101	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 4101	HOUSTON	TX	77019
1250020040002	DE LA CRUZ RANDY	1013 LEGACY XING	GEORGETOWI	TX	78628-2129	3231 ALLEN PKY # 4102	HOUSTON	TX	77019
1250020040003	NAM CHARLES C	3529 REDWOOD AVE	LOS ANGELES	CA	90066-3023	3231 ALLEN PKY # 4103	HOUSTON	TX	77019
1250020040004	SALDANA RICARDO	3231 ALLEN PKWY APT 4104	HOUSTON	TX	77019	3231 ALLEN PKWY APT 4104	HOUSTON	TX	77019
1250020040005	CURRENT OWNER	3231 ALLEN PKWY UNIT 4105	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 4105	HOUSTON	TX	77019
1250020040006	RIOS IRMA	613 ALLSTON	HOUSTON	TX	77007-2412	3231 ALLEN PKY # 4106	HOUSTON	TX	77019
1250020040007	KALLMAN PATRICIA RINCON	3231 ALLEN PKWY APT 4107	HOUSTON	TX	77019	3231 ALLEN PKWY APT 4107	HOUSTON	TX	77019
1250020040008	BENRUD STEPHEN A	2020A PARK ST	HOUSTON	TX	77019-6118	3231 ALLEN PKY #4201	HOUSTON	TX	77019

1250020040009	BRENNAN MICHAEL J & JEAN M	167 HILLTOP DR	SOUTHAMPTC	PA	18966-1329	3231 ALLEN PKY #4202	HOUSTON	PA	77019
1250020040010	BLAIR ROBERT W	3231 ALLEN PKWY APT 4203	HOUSTON	TX	77019-1826	3231 ALLEN PKY #4203	HOUSTON	TX	77019
1250020040011	HAMMOND JENNIFER J	3231 ALLEN PKWY UNIT 4204	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 4204	HOUSTON	TX	77019
1250020040012	CURRENT OWNER	3231 ALLEN PKY # 4205	HOUSTON	TX	77019	3231 ALLEN PKY # 4205	HOUSTON	TX	77019
1250020040013	SAPUTELLI MARIANELA	3231 ALLEN PKWY APT 4206	HOUSTON	TX	77019	3231 ALLEN PKWY APT 4206	HOUSTON	TX	77019
1250020040014	SASSO IRENE D	3231 ALLEN PKWY APT 4207	HOUSTON	TX	77019	3231 ALLEN PKWY APT 4207	HOUSTON	TX	77019
1250020040015	AMAYA KATIA A	3231 ALLEN PKWY APT 4301	HOUSTON	TX	77019-1827	3231 ALLEN PKY #4301	HOUSTON	TX	77019
1250020040016	BARTHOLOMEW EMILY E	235 SEABISCUIT DR APT F	WILLITS	CA	95490-4661	3231 ALLEN PKY #4302	HOUSTON	CA	77019
1250020040017	KELLER KAREN L	11709 RED OAK VALLEY LN	AUSTIN	TX	78732-2406	3231 ALLEN PKY # 4303	HOUSTON	TX	77019
1250020040018	COLTON CARLEY D	3231 ALLEN PKY # 4304	HOUSTON	TX	77019	3231 ALLEN PKY # 4304	HOUSTON	TX	77019
1250020040019	MCRAY LAURIE A	3231 ALLEN PKWY APT 4305	HOUSTON	TX	77019	3231 ALLEN PKWY APT 4305	HOUSTON	TX	77019
1250020040020	BARTAY TAYLOR	3231 ALLEN PKWY 4306	HOUSTON	TX	77019-1827	3231 ALLEN PKY #4306	HOUSTON	TX	77019
1250020040021	BLOSAT WAYNE	3231 ALLEN PKWY APT 4307	HOUSTON	TX	77019-1827	3231 ALLEN PKY #4307	HOUSTON	TX	77019
1250020050001	EDMONSON DAVID A	3231 ALLEN PKWY UNIT 5101	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 5101	HOUSTON	TX	77019
1250020050002	NUDO SAMUEL	3231 ALLEN PKWY UNIT 5102	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 5102	HOUSTON	TX	77019
1250020050003	ISMIC ADIS	12103 FLAXEN DR	HOUSTON	TX	77065-4428	3231 ALLEN PKY # 5103	HOUSTON	TX	77019
1250020050004	WEBB SHAWN	3231 ALLEN PKY # 5104	HOUSTON	TX	77019-1828	3231 ALLEN PKY # 5104	HOUSTON	TX	77019
1250020050005	REAL COFFEE XPERIENCE LLC	3231 ALLEN PKWY # 5105	HOUSTON	TX	77019	3231 ALLEN PKWY # 5105	HOUSTON	TX	77019
1250020050006	GOKHMAN GARY	3231 ALLEN PKWY APT 5106	HOUSTON	TX	77019	3231 ALLEN PKWY APT 5106	HOUSTON	TX	77019
1250020050007	GUIDI A DI BAGNO & ALESSANDRO DI BAGNO	3231 ALLEN PKWY APT 5107	HOUSTON	TX	77019	3231 ALLEN PKWY APT 5107	HOUSTON	TX	77019
1250020050008	PATEL SHEETAL A	3231 ALLEN PKWY # 5201	HOUSTON	TX	77019	3231 ALLEN PKWY # 5201	HOUSTON	TX	77019
1250020050009	ROPSHAW KATHY	3231 ALLEN PKWY UNIT 5202	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 5202	HOUSTON	TX	77019
1250020050010	MANNING MICHELLE	3231 ALLEN PKWY APT 5203	HOUSTON	TX	77019	3231 ALLEN PKWY APT 5203	HOUSTON	TX	77019
1250020050011	NUDO NICHOLAS J	3231 ALLEN PKWY UNIT 5204	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 5204	HOUSTON	TX	77019
1250020050012	FOSTER ASHLEY M	3231 ALLEN PKWY APT 5205	HOUSTON	TX	77019	3231 ALLEN PKWY APT 5205	HOUSTON	TX	77019
1250020050013	GALLAGHER MICHAEL J	3231 ALLEN PKWY UNIT 5206	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 5206	HOUSTON	TX	77019
1250020050014	WHITCOMB NICHOLAS	PO BOX 27759	HOUSTON	TX	77227-7759	3231 ALLEN PKY # 5207	HOUSTON	TX	77019
1250020050015	GONZALES JOHN EDWARD	3231 ALLEN PKWY # 5301	HOUSTON	TX	77019	3231 ALLEN PKWY # 5301	HOUSTON	TX	77019
1250020050016	MARQUEZ MARISSA	3231 ALLEN PKWY APT 5302	HOUSTON	TX	77019	3231 ALLEN PKWY APT 5302	HOUSTON	TX	77019
1250020050017	ISSAC GEORGE	3231 ALLEN PKWY APT 5303	HOUSTON	TX	77019	3231 ALLEN PKWY APT 5303	HOUSTON	TX	77019
1250020050018	FOX & HOUND ESTATES LLC	2207 BANCROFT ST UNIT 904	HOUSTON	TX	77027-3724	3231 ALLEN PKY # 5304	HOUSTON	TX	77019
1250020050019	CARLSON LYNN	3231 ALLEN PKWY APT 1002	HOUSTON	TX	77019	3231 ALLEN PKY # 5305	HOUSTON	TX	77019
1250020050020	KENDALL DONALD	720 KUHLMAN RD	HOUSTON	TX	77024-5502	3231 ALLEN PKY # 5306	HOUSTON	TX	77019
1250020050021	STRATA TRUST	PO BOX 849	AUSTIN	TX	78767-0849	3231 ALLEN PKY #5307	HOUSTON	TX	77019

1250020060001	ALANIZ JUANA	3231 ALLEN PKWY APT 6101	HOUSTON	TX	77019-1832	3231 ALLEN PKY #6101	HOUSTON	TX	77019
1250020060002	GONZALEZ MARCO ANTONIO	3231 ALLEN PKY # 6102	HOUSTON	TX	77019	3231 ALLEN PKY # 6102	HOUSTON	TX	77019
1250020060003	BALDWIN MADISON E	3231 ALLEN PKWY 6103	HOUSTON	TX	77019-1832	3231 ALLEN PKY #6103	HOUSTON	TX	77019
1250020060004	RIVAS SANDRA L	3231 ALLEN PKWY UNIT 6104	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 6104	HOUSTON	TX	77019
1250020060005	CADAVID ALIX	3231 ALLEN PKWY # 6105	HOUSTON	TX	77019-1832	3231 ALLEN PKY #6105	HOUSTON	TX	77019
1250020060006	GARNER ASHLEY J	3231 ALLEN PKWY APT 6106	HOUSTON	TX	77019	3231 ALLEN PKWY APT 6106	HOUSTON	TX	77019
1250020060007	MARISNICK JACOB SHAWN	18341 SWALLOWTAIL LN	RIVERSIDE	CA	92504-9457	3231 ALLEN PKY # 6107	HOUSTON	TX	77019
1250020060008	CROWSON MARGARET L	1317 EBERHARD ST	HOUSTON	TX	77019	3231 ALLEN PKY # 6201	HOUSTON	TX	77019
1250020060009	JASMINOY ANDRES	3231 ALLEN PKY # 6202	HOUSTON	TX	77019	3231 ALLEN PKY # 6202	HOUSTON	TX	77019
1250020060010	KENDALL DONALD	720 KUHLMAN RD	HOUSTON	TX	77024-5502	3231 ALLEN PKY # 6203	HOUSTON	TX	77019
1250020060011	CURRENT OWNER	PO BOX 130731	HOUSTON	TX	77219-0731	3231 ALLEN PKY # 6204	HOUSTON	TX	77019
1250020060012	DRUMMOND MARK & JESSICA	40 EASTLAWN ST	FAIRFIELD	CT	06824-6418	3231 ALLEN PKY # 6205	HOUSTON	TX	77019
1250020060013	CARGILE JOSHUA	3231 ALLEN PKWY APT 6206	HOUSTON	TX	77019	3231 ALLEN PKY # 6206	HOUSTON	TX	77019
1250020060014	MAGHSOUDIKOFLI ASEF	140 S HEIGHTS BLVD	HOUSTON	TX	77007-5807	3231 ALLEN PKY # 6207	HOUSTON	TX	77019
1250020060015	SHAHMOHAMMADI MOHAMMAD A	3231 ALLEN PKWY UNIT 6301	HOUSTON	TX	77019-1834	3231 ALLEN PKY #6301	HOUSTON	TX	77019
1250020060016	FLORES ANA V	3231 ALLEN PKWY UNIT 6302	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 6302	HOUSTON	TX	77019
1250020060017	REJAS JOSE M & DAYNE	3231 ALLEN PKWY APT 6303	HOUSTON	TX	77019	3231 ALLEN PKWY APT 6303	HOUSTON	TX	77019
1250020060018	HINES MICHAEL J	3231 ALLEN PKWY UNIT 6304	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 6304	HOUSTON	TX	77019
1250020060019	CURRENT OWNER	5706 SANTA FE SPRINGS DR	HOUSTON	TX	77041-5755	3231 ALLEN PKY	HOUSTON	TX	77019
1250020060020	HUSBAND STEPHEN M	3231 ALLEN PKWY UNIT 6306	HOUSTON	TX	77019	3231 ALLEN PKWY UNIT 6306	HOUSTON	TX	77019
1250020060021	PHAM NGOC THUY THI	1039 GLADSTONE DR	LEAGUE CITY	TX	77573-9087	3231 ALLEN PKY # 6307	HOUSTON	TX	77019
1250170010001	TRAN JEANA HANG	12112 BELLAIRE BLVD STE A-3	HOUSTON	TX	77072-2315	1621 W DALLAS AVE	HOUSTON	TX	77019
1250170010002	TRAN ANNA M	1619 W DALLAS AVE	HOUSTON	TX	77019	1619 W DALLAS AVE	HOUSTON	TX	77019
1251440010001	CURRENT OWNER	3217 DAMICO ST	HOUSTON	TX	77019	3217 DAMICO ST	HOUSTON	TX	77019
1251440010002	AGUILARTE LAUREN M & GUILLERMO L	3219 DAMICO ST	HOUSTON	TX	77019	3219 DAMICO ST	HOUSTON	TX	77019
1251440010003	YOUENS ROSS W & ALEJANDRA A	3221 DAMICO ST	HOUSTON	TX	77019	3221 D'AMICO ST	HOUSTON	TX	77019
1251440010004	COMBER JESSE & SARAH	3223 DAMICO ST	HOUSTON	TX	77019	3223 DAMICO ST	HOUSTON	TX	77019
1251440010005	NAMANI HANI	3225 DAMICO ST	HOUSTON	TX	77019	3225 DAMICO ST	HOUSTON	TX	77019
1251440010006	MALLETT PAUL W & DIANE	3227 DAMICO ST	HOUSTON	TX	77019	3227 DAMICO ST	HOUSTON	TX	77019
1253470010001	VANSICKLEN JOHN M JR	1406 STANFORD ST UNIT F	HOUSTON	TX	77019	1406 STANFORD ST # F	HOUSTON	TX	77019
1253470010002	KLEIN ASHLEY LAUREN	1406 STANFORD ST # E	HOUSTON	TX	77019	1406 STANFORD ST # E	HOUSTON	TX	77019
1253470010003	MIRACLE PAUL R	1406 STANFORD ST # D	HOUSTON	TX	77019	1406 STANFORD ST #D	HOUSTON	TX	77019
1253470010004	BUGGE JUAN M	5345 NAVARRO ST	HOUSTON	TX	77056-6230	1406 STANFORD ST #C	HOUSTON	TX	77019
1253470010004	BUGGE JUAN M	5345 NAVARRO ST	HOUSTON	TX	77056-6230	1406 STANFORD ST # C	HOUSTON	TX	77019

1253470010005	BUSH PATRICK	4300 DUNLAVEY APT 4104	HOUSTON	TX	77006-5409	1406 STANFORD ST # B	HOUSTON	TX	77019
1253470010006	DIAZ THOMAS	1406 STANFORD ST UNIT A	HOUSTON	TX	77019	1406 STANFORD ST # A	HOUSTON	TX	77019
1255090010001	SAN SIMEON APARTMENTS LLC	5728 LBJ FWY STE 400	DALLAS	TX	75240-6357	2121 ALLEN PKY # 431	HOUSTON	TX	77019
1255620010001	MONAHAN MATTHEW	4027 PINERIDGE	HOUSTON	TX	77009-5232	420 W SAULNIER ST	HOUSTON	TX	77019
1255620010002	HANDAL STEPHANIE & GILBERTO	422 W SAULNIER ST	HOUSTON	TX	77019	422 W SAULNIER ST	HOUSTON	TX	77019
1255670010001	ZUIKER SYDNEY J & NICHOLAS M	1019 STANFORD ST	HOUSTON	TX	77019-4304	1019 STANFORD ST	HOUSTON	TX	77019
1255670010002	WEXLER ROBERT G	1017 STANFORD ST	HOUSTON	TX	77019	1017 STANFORD ST	HOUSTON	TX	77019
1255670010003	CIUCIVARA ADRIAN	1015 STANFORD ST	HOUSTON	TX	77019	1015 STANFORD ST	HOUSTON	TX	77019
1256430010001	DARTER BRUCE A	1210 CROCKER ST	HOUSTON	TX	77019	1210 CROCKER ST	HOUSTON	TX	77019
1256430010002	YAMBRA LISA	1212 CROCKER ST	HOUSTON	TX	77019	1212 CROCKER ST	HOUSTON	TX	77019
1256910010001	TAN L & M LLC	303 W GRAY ST	HOUSTON	TX	77019	303 W GRAY ST	HOUSTON	TX	77019
1257260010001	ASHWANDER MALLORY P	1016 CROCKER ST	HOUSTON	TX	77019-4338	1016 CROCKER ST	HOUSTON	TX	77019
1257260010002	JAVED MOHAMMAD ZESHAN	1014 CROCKER ST	HOUSTON	TX	77019	1014 CROCKER ST	HOUSTON	TX	77019
1257580010001	2929 REAL ESTATE HOLDINGS	2929 ALLEN PARKWAY	HOUSTON	TX	77019-7100	2727 ALLEN PKY	HOUSTON	TX	77019
1257580010004	FINGER FSC WEST DALLAS LTD	99 DETERING ST STE 200	HOUSTON	TX	77007-8259	2900 W DALLAS ST	HOUSTON	TX	77019
1257580010005	FINGER-FSC WFM LTD WHOLE FOODS MKT AT	550 BOWIE ST	AUSTIN	TX	78703-4644	701 WAUGH DR	HOUSTON	TX	77019
1257740010001	VINCEANNE MANDOLA GREEN 2004 TR	11212 WILDING LN	HOUSTON	TX	77024-5308	1401 MONTROSE BLVD	HOUSTON	TX	77019
1257740010002	MARY DANA MANDOLA CORBETT 2004 TR	11212 WILDING LN	HOUSTON	TX	77024-5308	1401 MONTROSE BLVD	HOUSTON	TX	77019
1259260010001	REEDY PATRICIA BARBERINE	1708 STANFORD ST	HOUSTON	TX	77006	1708 STANFORD ST	HOUSTON	TX	77006
1259260010002	CURRENT OWNER	1710 STANFORD ST	HOUSTON	TX	77006	1710 STANFORD ST	HOUSTON	TX	77006
1260370010001	FREY AUSTIN DOUGLAS	1226 PEDEN ST	HOUSTON	TX	77006	1226 PEDEN ST	HOUSTON	TX	77006
1260370010002	HAINES JEFFREY R	1224 PEDEN ST	HOUSTON	TX	77006	1224 PEDEN ST	HOUSTON	TX	77006
1262530010001	AGA KHAN FOUNDATION USA	1825 K ST NW STE 901	WASHINGTON	DC	20006-1214	2323 ALLEN PKY	HOUSTON	DC	77019
1262530010002	COUNTY OF HARRIS	PO BOX 1525	HOUSTON	TX	77251-1525	0 MONTROSE BLVD	HOUSTON	TX	77019
1262530010003	COUNTY OF HARRIS	PO BOX 1525	HOUSTON	TX	77251-1525	0 MONTROSE BLVD	HOUSTON	TX	77019
1263140010001	APOLLOMDX LLC	608 STANFORD ST UNIT A	HOUSTON	TX	77019-2414	608 STANFORD ST #A	HOUSTON	TX	77019
1263140010002	APOLLOMDX LLC	608 STANFORD ST # 13	HOUSTON	TX	77019-2414	608 STANFORD ST #B	HOUSTON	TX	77019
1263170010001	ALI MAHERBANO	1113 PEVETO ST # A	HOUSTON	TX	77019-4049	1113 PEVETO ST # A	HOUSTON	TX	77019
1263170010002	LENZ VERONICA C	21 SPRING ISLAND DR	OKATIE	SC	29909-4005	1113 PEVETO ST # B	HOUSTON	TX	77019
1263170010003	ELIASSEN ARTHUR H & KAY L	PO BOX 587	HOUSTON	TX	77001-0587	1113 PEVETO ST # C	HOUSTON	TX	77019
1263170010004	PORTILLO MATTHEW	1005 S SHEPHERD DR APT 811	HOUSTON	TX	77019-3640	1115 PEVETO ST # C	HOUSTON	TX	77019
1263170010005	ONG CHENG Y	1115 PEVETO ST UNIT B	HOUSTON	TX	77019-4051	1115 PEVETO ST # B	HOUSTON	TX	77019
1263170010006	POTTER CAROLYN G	1115 PEVETO ST UNIT A	HOUSTON	TX	77019-4051	1115 PEVETO ST # A	HOUSTON	TX	77019
1263250010001	UMARI BASIL A	1403 EBERHARD ST	HOUSTON	TX	77019	1403 EBERHARD ST	HOUSTON	TX	77019

1263250010002	ALLIS JOHN E	1407 EBERHARD ST	HOUSTON	TX	77019-4149	1407 EBERHARD ST	HOUSTON	TX	77019
1263270010001	ART LEAGUE OF HOUSTON THE	1953 MONTROSE BLVD	HOUSTON	TX	77006-1243	1953 MONTROSE BLVD	HOUSTON	TX	77006
1263290010001	DUCOTE LOUIS II & LAURA	1106 MARCONI ST # C	HOUSTON	TX	77019-4261	1106 MARCONI ST # C	HOUSTON	TX	77019
1263290010002	VILLAREAL TINA M	1106 MARCONI ST # B	HOUSTON	TX	77019-4261	1106 MARCONI ST # B	HOUSTON	TX	77019
1263290010003	DIDARALI SALIMA B	1215 CHADWICK XING	SOUTHLAKE	TX	76092-9640	1106 MARCONI ST # A	HOUSTON	TX	77019
1263290010004	KING GARY B	1106 MARCONI ST	HOUSTON	TX	77019	1106 MARCONI ST	HOUSTON	TX	77019
1263480010001	PHILIP B ROTHENBERG REVOCABLE TRUST	614 W BELL ST UNIT B	HOUSTON	TX	77019-4685	614 W BELL ST UNIT B	HOUSTON	TX	77019
1263480010002	PALMER CAITLYN	614 W BELL ST UNIT A	HOUSTON	TX	77019-4685	614 W BELL ST UNIT A	HOUSTON	TX	77019
1263970010001	HARLOW DISTRICT LLC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	2817 W DALLAS ST	HOUSTON	TX	77019
1263970010002	NINOS RESTAURANT & BAR INC	2429 BISSONNET ST STE 615	HOUSTON	TX	77005-1451	2701 W DALLAS ST	HOUSTON	TX	77019
1264180010001	EATON ALFRED J IV	1716 W DALLAS AVE # 11	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 11	HOUSTON	TX	77019
1264180010002	DIBATTISTA GABRIELLE	1716 W DALLAS AVE # 13	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 13	HOUSTON	TX	77019
1264180010003	TRICKEL ANN M	1716 W DALLAS AVE # 15	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 15	HOUSTON	TX	77019
1264180010004	SCOTT M GRAUER TRUST NO 1	1716 W DALLAS AVE # 17	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 17	HOUSTON	TX	77019
1264180010005	PLEDGER RAYMOND H JR	1716 W DALLAS AVE # 10	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 10	HOUSTON	TX	77019
1264180010006	BYINGTON KENNETH P	1716 W DALLAS ST UNIT 8	HOUSTON	TX	77019-4561	1716 W DALLAS AVE #8	HOUSTON	TX	77019
1264180010007	RHODES CARL & JOYCE	1716 W DALLAS AVE # 6	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 6	HOUSTON	TX	77019
1264180010008	CURRENT OWNER	3215 CLOVERDALE ST	HOUSTON	TX	77025-4510	1716 W DALLAS AVE # 4	HOUSTON	TX	77019
1264180010009	BLUM MARINA	1716 W DALLAS AVE # 2	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 2	HOUSTON	TX	77019
1264180010010	TODORA KYLE	1716 W DALLAS AVE # 1	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 1	HOUSTON	TX	77019
1264180010011	OSBORNE PETER W	3602 PARKWOOD DR	HOUSTON	TX	77021-1508	1716 W DALLAS AVE # 3	HOUSTON	TX	77019
1264180010012	BELL KATHRYN L	5535 MEMORIAL DR STE F429	HOUSTON	TX	77007-8021	1716 W DALLAS AVE #5	HOUSTON	TX	77019
1264180010013	LEBLANC JASON	1716 W DALLAS AVE # 7	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 7	HOUSTON	TX	77019
1264180010014	TREACY PAUL	1716 W DALLAS AVE # 9	HOUSTON	TX	77019-4561	1716 W DALLAS AVE # 9	HOUSTON	TX	77019
1269260010001	US LIVING MONTROSE LLC	2100 W LOOP SOUTH STE 700	HOUSTON	TX	77027-3564	2221 W DALLAS ST # 404	HOUSTON	TX	77019
1272260010001	ANI AUGUSTINE N & OMOLOLA	1333 W CLAY ST	HOUSTON	TX	77019-4003	1333 W CLAY ST	HOUSTON	TX	77019
1272260010002	VO PHONG A	1335 W CLAY ST	HOUSTON	TX	77019	1335 W CLAY ST	HOUSTON	TX	77019
1273350010001	SNIVELY JUDITH A	1966 W MCKINNEY ST C	HOUSTON	TX	77019-2629	1966 W MCKINNEY ST C	HOUSTON	TX	77019
1273350010002	CANDELARIA GREG A & BROOKE S	1966 W MCKINNEY ST B	HOUSTON	TX	77019	1966 W MCKINNEY ST B	HOUSTON	TX	77019
1273350010003	HOWELD JEREMY D	1966 W MCKINNEY ST A	HOUSTON	TX	77019	1966 W MCKINNEY ST A	HOUSTON	TX	77019
1273350010004	GOODWIN MICHAEL	1964 W MCKINNEY ST C	HOUSTON	TX	77019	1964 W MCKINNEY ST C	HOUSTON	TX	77019
1273350010005	W MCKINNEY 1964 LLC	4821 PALMETTO ST	BELLAIRE	TX	77401-3413	1964 W MCKINNEY ST B	HOUSTON	TX	77019
1273350010006	DIRADDO ANDREW & TERRISA	1964 W MCKINNEY ST UNIT A	HOUSTON	TX	77019	1964 W MCKINNEY ST A	HOUSTON	TX	77019
1276380010001	NIGAM ANJALI	1605 W DALLAS ST # A	HOUSTON	TX	77019-4665	1605 W DALLAS ST # A	HOUSTON	TX	77019

1276380010002	AKUNNE CLINTON	1605 W DALLAS ST UNIT B	HOUSTON	TX	77019-4665	1605 W DALLAS ST #B	HOUSTON	TX	77019
1276380010003	LIU ZHIYONG	3318 ELMRIDGE ST	HOUSTON	TX	77025-4314	1605 W DALLAS ST # C	HOUSTON	TX	77019
1276380010004	BHATIA MANOJ	1605 W DALLAS ST #D	HOUSTON	TX	77019	1605 W DALLAS ST UNIT D	HOUSTON	TX	77019
1276380010005	SWIFT ROBERT	1607 W DALLAS ST # E	HOUSTON	TX	77019-4667	1607 W DALLAS ST # E	HOUSTON	TX	77019
1276380010006	ROLLO KENNETH B & MARTHA	1607 W DALLAS ST # D	HOUSTON	TX	77019-4667	1607 W DALLAS ST # D	HOUSTON	TX	77019
1276380010007	GUEVARA CARLOS	1607 W DALLAS ST # C	HOUSTON	TX	77019-4667	1607 W DALLAS ST # C	HOUSTON	TX	77019
1276380010008	YOULL KELLY A	1607 W DALLAS ST # B	HOUSTON	TX	77019-4667	1607 W DALLAS ST # B	HOUSTON	TX	77019
1276380010009	DUNDON SEAN	1607 W DALLAS ST UNIT A	HOUSTON	TX	77019-4667	1607 W DALLAS ST A	HOUSTON	TX	77019
1276730010001	AGARWAL SHANTANU	10777 WESTHEIMER RD STE 1175	HOUSTON	TX	77042-3475	1109 MARCONI ST #A	HOUSTON	TX	77019
1276730010002	MALDONADO KATHLEEN & VICTOR A	1109 MARCONI ST # B	HOUSTON	TX	77019-4207	1109 MARCONI ST # B	HOUSTON	TX	77019
1276730010003	JOHNSON JOHN MORGAN III	1109 MARCONI ST # C	HOUSTON	TX	77019-4207	1109 MARCONI ST # C	HOUSTON	TX	77019
1276890010001	ANDERSON JANET I	1631 HAZEL ST	HOUSTON	TX	77006-1107	1631 HAZEL ST	HOUSTON	TX	77006
1276890010002	ALY TAMER	1633 HAZEL ST	HOUSTON	TX	77006-1107	1633 HAZEL ST	HOUSTON	TX	77006
1276890010003	LABORDE JOHN T JR & AMANDA S	12707 KINGSRIDE LN	HOUSTON	TX	77024-4007	1635 HAZEL ST	HOUSTON	TX	77006
1279530010001	ARMITAGE JOHN & VALERIE	1133 W BELL ST	HOUSTON	TX	77019-4101	1133 W BELL ST	HOUSTON	TX	77019
1279530010002	SIMON ERICA K	1135 W BELL ST	HOUSTON	TX	77019-4101	1135 W BELL ST	HOUSTON	TX	77019
1279600010001	SUNG MING & LILY	1102 TAFT ST	HOUSTON	TX	77019	1102 TAFT ST	HOUSTON	TX	77019
1279600010002	MORTON GRANT T	1104 TAFT ST # A	HOUSTON	TX	77019-4538	1104 TAFT ST # A	HOUSTON	TX	77019
1279600010003	GONGORA SHANNON S	1106 TAFT ST # B	HOUSTON	TX	77019-4538	1106 TAFT ST # B	HOUSTON	TX	77019
1279600010004	TSOU ANDY H	305 W SAULNIER ST	HOUSTON	TX	77019	305 W SAULNIER ST	HOUSTON	TX	77019
1279600010005	KATHLEEN LYTTLETON TRUST	303 W SAULNIER ST	HOUSTON	TX	77019	303 W SAULNIER ST	HOUSTON	TX	77019
1279600010006	LACKEY DAVID L	301 W SAULNIER ST	HOUSTON	TX	77019	301 W SAULNIER ST	HOUSTON	TX	77019
1279740010001	KOSKA STEVEN L & CAMILLE M	1707 STANFORD ST	HOUSTON	TX	77006	1707 STANFORD ST	HOUSTON	TX	77006
1281780010001	CURRENT OWNER	1013 CROCKER ST	HOUSTON	TX	77019	1013 CROCKER ST	HOUSTON	TX	77019
1281780010002	HEFFNER THOMAS A	1015 CROCKER ST	HOUSTON	TX	77019	1015 CROCKER ST	HOUSTON	TX	77019
1284270010001	HAGER TRISTAN C	1800 WAUGH DR	HOUSTON	TX	77006-1129	1219 PEDEN ST # A	HOUSTON	TX	77006
1284270010002	CURRENT OWNER	1219 PEDEN ST # B	HOUSTON	TX	77006-1286	1219 PEDEN ST # B	HOUSTON	TX	77006
1284270010003	TWYFORD EVAN S	1219 PEDEN ST # C	HOUSTON	TX	77006-1286	1219 PEDEN ST # C	HOUSTON	TX	77006
1284790010005	OSYPOV KONSTANTIN & ALBINA	338 BOMAR ST	HOUSTON	TX	77006	338 BOMAR ST	HOUSTON	TX	77006
1284790010007	KUBIAK JEFFREY	336 BOMAR ST	HOUSTON	TX	77006	336 BOMAR ST	HOUSTON	TX	77006
1284790010008	VELASQUEZ PAULINE & ALEX	1786 COUNTY ROAD 210	WEIMAR	TX	78962-3617	326 BOMAR ST	HOUSTON	TX	77006
1284790010009	WOLFF ROMAN & PATRICIA N SELLER	360 MOOD DR	HOUSTON	TX	77009	334 BOMAR ST	HOUSTON	TX	77006
1284790010010	FRANCO MARIA J	332 BOMAR ST	HOUSTON	TX	77006	332 BOMAR ST	HOUSTON	TX	77006
1284790010011	HIGHTOWER KIMBERLEY A	5514 W TERRACE GABLE CIR	KATY	TX	77494-2044	330 BOMAR ST	HOUSTON	TX	77006

1284790010012	POTTS JAMES K	PO BOX 232	NORMAN	AR	71960-0232	328 BOMAR ST	HOUSTON	TX	77006
1285500010001	HOUSTON MUSEUM NTL SCIENCE	5555 HERMANN PARK DR	HOUSTON	TX	77030-1718	0 VAN BUREN ST	HOUSTON	TX	77019
1285530010001	DAHLGREN ROBERTO A & IRENE F	1114 BOMAR ST	HOUSTON	TX	77006	1114 BOMAR ST	HOUSTON	TX	77006
1285530010004	COUNTY OF HARRIS	PO BOX 1525	HOUSTON	TX	77251-1525	0 BOMAR ST	HOUSTON	TX	77006
1286320010001	BULLSEYE PARTNERS VI LP	2370 RICE BLVD STE 108	HOUSTON	TX	77005-2660	3200 W DALLAS ST	HOUSTON	TX	77019
1287180010001	BIANCHI ANTHONY J	PO BOX 66414	HOUSTON	TX	77266-6414	1301 W PIERCE ST	HOUSTON	TX	77019
1287180010002	BAVARE ESHEETA A & AMOD A	1504 HAZEL ST	HOUSTON	TX	77019	1504 HAZEL ST	HOUSTON	TX	77019
1287180010003	CANEZIN CYRIL	1506 HAZEL ST	HOUSTON	TX	77019-4142	1506 HAZEL ST	HOUSTON	TX	77019
1287830010001	PHAM VAN T	1001 GILLETTE ST	HOUSTON	TX	77019	1001 GILLETTE ST	HOUSTON	TX	77019
1287830010002	LAWRENCE JENNIFER	1003 GILLETTE ST	HOUSTON	TX	77019	1003 GILLETTE ST	HOUSTON	TX	77019
1287830010003	HO ANDY & KY	1005 GILLETTE ST	HOUSTON	TX	77019	1005 GILLETTE ST	HOUSTON	TX	77019
1291220010001	BUITRAGO WILLIAM	1105 PEVETO ST	HOUSTON	TX	77019-4016	1105 PEVETO ST	HOUSTON	TX	77019
1291220010002	VENKATARAMANI SANDHYA	2306 DAY DR	PEARLAND	TX	77584-3069	1107 PEVETO ST	HOUSTON	TX	77019
1291320010001	BURAL MUSRAFA E & MARIA B	1010 ROSINE ST APT 101	HOUSTON	TX	77019-3867	1010 ROSINE ST #101	HOUSTON	TX	77019
1291320010002	HUNTER RICHARD L	1010 ROSINE ST # 102	HOUSTON	TX	77019-3867	1010 ROSINE ST # 102	HOUSTON	TX	77019
1291320010003	GRIZZARD RUSSELL J	1010 ROSINE ST # 103	HOUSTON	TX	77019-3867	1010 ROSINE ST # 103	HOUSTON	TX	77019
1291320010004	ROBB JACLYN C	14902 TALLOW FOREST CT	HOUSTON	TX	77062-2921	1010 ROSINE ST # 104	HOUSTON	TX	77019
1291320010005	TWOPITA LLC	101 WESTCOTT ST UNIT 1704	HOUSTON	TX	77007-7032	1010 ROSINE ST # 105	HOUSTON	TX	77019
1291320010006	GULLEDGE CHERRY GAYDEN	1010 ROSINE ST # 106	HOUSTON	TX	77019	1010 ROSINE ST # 106	HOUSTON	TX	77019
1291320010007	WOOD JASON L	1010 ROSINE ST # 107	HOUSTON	TX	77019-3867	1010 ROSINE ST # 107	HOUSTON	TX	77019
1291320010008	JACINTHE EDWIDGE	1010 ROSINE ST # 108	HOUSTON	TX	77019-3867	1010 ROSINE ST # 108	HOUSTON	TX	77019
1291320010009	HIGGINBOTHAM CHARLES R	1010 ROSINE ST # 109	HOUSTON	TX	77019-3867	1010 ROSINE ST # 109	HOUSTON	TX	77019
1291320010010	DAVIS MICHELLE	20 CRESCENT LEDGE	SAN ANTONIC	TX	78257-1306	1010 ROSINE ST # 110	HOUSTON	TX	77019
1291320010011	LOCASCIO JUSTIN D	1010 ROSINE ST # 201	HOUSTON	TX	77019-3867	1010 ROSINE ST # 201	HOUSTON	TX	77019
1291320010012	LANIER JOHN B JR	1010 ROSINE ST # 202	HOUSTON	TX	77019-3867	1010 ROSINE ST # 202	HOUSTON	TX	77019
1291320010013	HOOVER VALERIE M	1010 ROSINE ST UNIT 203	HOUSTON	TX	77019-3867	1010 ROSINE ST #203	HOUSTON	TX	77019
1291320010014	CHILDERS DANIEL D JR & KIMBERLY M	1010 ROSINE ST # 204	HOUSTON	TX	77019-3867	1010 ROSINE ST # 204	HOUSTON	TX	77019
1291320010015	CARTER ARIYA L	1010 ROSINE ST # 205	HOUSTON	TX	77019-3867	1010 ROSINE ST # 205	HOUSTON	TX	77019
1291320010016	ENGLISH DAVID & ANN	1107 GROSS ST	HOUSTON	TX	77019-3713	1010 ROSINE ST # 206	HOUSTON	TX	77019
1291320010017	SYLVESTER DANIEL E	1010 ROSINE ST # 207	HOUSTON	TX	77019-3867	1010 ROSINE ST # 207	HOUSTON	TX	77019
1291320010018	SHAYGAN REZA	1010 ROSINE ST # 208	HOUSTON	TX	77019-3868	1010 ROSINE ST # 208	HOUSTON	TX	77019
1291320010019	GABIOLA JOEL I	1010 ROSINE ST # 209	HOUSTON	TX	77019-3868	1010 ROSINE ST # 209	HOUSTON	TX	77019
1291320010020	SHIRDEL MOJGAN	1010 ROSINE ST # 210	HOUSTON	TX	77019-3868	1010 ROSINE ST # 210	HOUSTON	TX	77019
1291320010021	TURNER OLGA G	1010 ROSINE ST # 301	HOUSTON	TX	77019-3868	1010 ROSINE ST # 301	HOUSTON	TX	77019

1291320010022	GLADKOVITSER RUSAN	2823 W 12TH ST APT 4H	BROOKLYN	NY	11224-3128	1010 ROSINE ST # 302	HOUSTON	TX	77019
1291320010023	SANSAI LTD	1415 S VOSS RD STE 110-514	HOUSTON	TX	77057-1086	1010 ROSINE ST # 303	HOUSTON	TX	77019
1291320010024	MCKECHNIE ANDREW	1010 ROSINE ST # 304	HOUSTON	TX	77019-3868	1010 ROSINE ST # 304	HOUSTON	TX	77019
1291320010025	MANTECON TERESA	1010 ROSINE ST # 305	HOUSTON	TX	77019-3868	1010 ROSINE ST # 305	HOUSTON	TX	77019
1291320010026	WILSON JOHN M & RENATA	1010 ROSINE ST # 306	HOUSTON	TX	77019-3868	1010 ROSINE ST # 306	HOUSTON	TX	77019
1291320010027	BISHOP ALEXANDRA NICOLE	7310 44TH AVE SW	SEATTLE	WA	98136-2033	1010 ROSINE ST #307	HOUSTON	WA	77019
1291320010028	YAMMINE KATIA & MICHEL	5090 RICHMOND AVE STE 111	HOUSTON	TX	77056-7402	1010 ROSINE ST # 308	HOUSTON	TX	77019
1291320010029	SMYRL GREGORY	3408 HILLVIEW RD	AUSTIN	TX	78703-1131	1010 ROSINE ST # 309	HOUSTON	TX	77019
1291320010030	KINNEY LINDA	1010 ROSINE ST # 310	HOUSTON	TX	77019-3868	1010 ROSINE ST # 310	HOUSTON	TX	77019
1291320010031	ELMAN ELENA	1010 ROSINE ST # 401	HOUSTON	TX	77019-3869	1010 ROSINE ST # 401	HOUSTON	TX	77019
1291320010032	PAPPA K LLC	318 MCALPINE ST	HOUSTON	TX	77003-1505	1010 ROSINE ST # 402	HOUSTON	TX	77019
1291320010033	AKERS CAROL	1010 ROSINE ST UNIT 403	HOUSTON	TX	77019-3869	1010 ROSINE ST #403	HOUSTON	TX	77019
1291320010034	CURRENT OWNER	1010 ROSINE ST # 404	HOUSTON	TX	77019-3869	1010 ROSINE ST # 404	HOUSTON	TX	77019
1291320010035	ARNOUDSE PETER B	1010 ROSINE ST APT 405	HOUSTON	TX	77019-3869	1010 ROSINE ST #405	HOUSTON	TX	77019
1291320010036	ZIRGULIS ALLAN J & FEMMY J	1010 ROSINE ST APT 406	HOUSTON	TX	77019-3869	1010 ROSINE ST #406	HOUSTON	TX	77019
1291320010037	FAHMY NASSER LOUIS	47 HARBOR VIEW DR	SUGAR LAND	TX	77479-5856	1010 ROSINE ST # 407	HOUSTON	TX	77019
1291320010038	NOWELL CHARLES KEVIN	5804 S WOODCREEK CIR	MCKINNEY	TX	75071-6446	1010 ROSINE ST # 408	HOUSTON	TX	77019
1291320010039	PEREZ ELIZABETH H	1010 ROSINE ST # 409	HOUSTON	TX	77019-3869	1010 ROSINE ST # 409	HOUSTON	TX	77019
1291320010040	PARAKH SAMEER	1010 ROSINE ST APT 410	HOUSTON	TX	77019-3869	1010 ROSINE ST #410	HOUSTON	TX	77019
1291320020001	SMITH JASON ANDREW & BRIANA	1010 ROSINE ST # 10	HOUSTON	TX	77019-3870	1010 ROSINE ST # 10	HOUSTON	TX	77019
1291320020002	PARIANI MEINU	1010 ROSINE ST # 11	HOUSTON	TX	77019	1010 ROSINE ST # 11	HOUSTON	TX	77019
1291320020003	CHU ANDREW W	1204 HEIGHTS BOULEVARD	HOUSTON	TX	77008-6918	1010 ROSINE ST # 12	HOUSTON	TX	77019
1291320020004	WORKMAN KELLEY KATHLEEN	2907 AMHERST ST	HOUSTON	TX	77005-3017	1010 ROSINE ST # 13	HOUSTON	TX	77019
1291320020005	STOLTE CRYSTAL S	1010 ROSINE ST # 14	HOUSTON	TX	77019-3870	1010 ROSINE ST # 14	HOUSTON	TX	77019
1291320020006	CURRENT OWNER	1010 ROSINE ST # 15	HOUSTON	TX	77019-3870	1010 ROSINE ST # 15	HOUSTON	TX	77019
1291320020007	VINCENT LIVING TRUST	4608 CRESTHAVEN DR	COLLEYVILLE	TX	76034-4577	1010 ROSINE ST # 16	HOUSTON	TX	77019
1291320020008	QUIROGA GUSTAVO	1010 ROSINE ST # 17	HOUSTON	TX	77019-3870	1010 ROSINE ST # 17	HOUSTON	TX	77019
1291320020009	CURRENT OWNER	1010 ROSINE ST # 18	HOUSTON	TX	77019-3870	1010 ROSINE ST # 18	HOUSTON	TX	77019
1291320020010	ELL AMY M	1010 ROSINE ST # 19	HOUSTON	TX	77019	1010 ROSINE ST # 19	HOUSTON	TX	77019
1291320020011	PATEL PRIYEN M	1010 ROSINE ST # 20	HOUSTON	TX	77019-3870	1010 ROSINE ST # 20	HOUSTON	TX	77019
1291320020012	RIVER OAKS PINEMONT LLC	314 BIRDSALL ST	HOUSTON	TX	77007-7139	1010 ROSINE ST # 21	HOUSTON	TX	77019
1291320020013	CURRENT OWNER	1318 NASHUA ST	HOUSTON	TX	77008-3746	1010 ROSINE ST #22	HOUSTON	TX	77019
1291320020014	ROSINE STREET ASSOCIATES LLC	121 VILLAGE BLVD	PRINCETON	NJ	08540-5703	1010 ROSINE ST # 23	HOUSTON	TX	77019
1291320020015	WALKER JOE A JR	1010 ROSINE ST APT 24	HOUSTON	TX	77019-3871	1010 ROSINE ST #24	HOUSTON	TX	77019

1291320020016	MOHAGHEGHI FARZAD	80 PASEO LAS TERRAY DR	SANTA FE	NM	87506	1010 ROSINE ST # 25	HOUSTON	TX	77019
1291320020017	WATSON MARIE	1010 ROSINE ST # 26	HOUSTON	TX	77019-3871	1010 ROSINE ST # 26	HOUSTON	TX	77019
1291320020018	DYKES ROBERT K	1010 ROSINE ST # 27	HOUSTON	TX	77019-3871	1010 ROSINE ST # 27	HOUSTON	TX	77019
1291320020019	CURRENT OWNER	1318 NASHUA ST	HOUSTON	TX	77008-3746	1010 ROSINE ST # 28	HOUSTON	TX	77019
1291320020020	OCHOA ROBERTO	805 ROSINANTE RD	EL PASO	NM	79922-2915	1010 ROSINE ST # 29	HOUSTON	TX	77019
1291320020021	RATHE STUART A	917 FRANKLIN ST STE 550	HOUSTON	TX	77002-1741	1010 ROSINE ST # 30	HOUSTON	TX	77019
1291320020022	SANSAI LTD	1415 S VOSS RD STE 110-514	HOUSTON	TX	77057-1086	1010 ROSINE ST # 31	HOUSTON	TX	77019
1291320020023	MURTHA J GLENN & DARLENE	1010 ROSINE ST # 32	HOUSTON	TX	77019-3871	1010 ROSINE ST # 32	HOUSTON	TX	77019
1291320020024	KAMBOJ ASHISH	14902 PRESTON RD STE 404-707	DALLAS	TX	75254-9191	1010 ROSINE ST # 33	HOUSTON	TX	77019
1291320020025	ARYA ANUJ & DINA	5207 IVYSTONE CT	SUGAR LAND	TX	77479-4105	1010 ROSINE ST #34	HOUSTON	TX	77019
1291320020026	ALBUJA TANIA P	1010 ROSINE ST # 35	HOUSTON	TX	77019-3871	1010 ROSINE ST # 35	HOUSTON	TX	77019
1291320020027	SCHEYDER ERNEST III	1010 ROSINE ST # 36	HOUSTON	TX	77019-3871	1010 ROSINE ST # 36	HOUSTON	TX	77019
1291320020028	HELIN FRANZ A & PRINCESS	1010 ROSINE ST # 37	HOUSTON	TX	77019-3872	1010 ROSINE ST # 37	HOUSTON	TX	77019
1291320020029	HAYS BRYAN & NATSUMI	1010 ROSINE ST # 38	HOUSTON	TX	77019-3872	1010 ROSINE ST # 38	HOUSTON	TX	77019
1291320020030	ZALES DANIEL R	1321 UPLAND DR PMB 2976	HOUSTON	TX	77043-4718	1010 ROSINE ST # 39	HOUSTON	TX	77019
1291320020031	ADVANI SHAILESH & PRAGATI G	15251 SIESTA KEY WAY APT 275	ROCKVILLE	MD	20850-5506	1010 ROSINE ST #40	HOUSTON	MD	77019
1291320020032	KEALY LINDA A	1520 HAROLD ST	HOUSTON	TX	77006-3708	1010 ROSINE ST # 41	HOUSTON	TX	77019
1291320020033	KINGORE RICHARD & BERTHA O	10004 CHESTER LN	AUSTIN	TX	78750-3915	1010 ROSINE ST # 42	HOUSTON	TX	77019
1291320020034	TAMAME ADRIENNE	1881 WASHINGTON AVE APT 15G	MIAMI BEACH	FL	33139-7446	1010 ROSINE ST # 43	HOUSTON	TX	77019
1291320020035	HWANG JOHN D & GLORIA H	5321 LA PALMA AVE APT 243	LA PALMA	CA	90623-1703	1010 ROSINE ST # 44	HOUSTON	TX	77019
1291320020036	SHERROD CHARLES D & CAROL S	1010 ROSINE ST # 45	HOUSTON	TX	77019-3872	1010 ROSINE ST # 45	HOUSTON	TX	77019
1291320020037	SANPEDRO RAMON I & SYLVIA P	1010 ROSINE ST # 46	HOUSTON	TX	77019-3872	1010 ROSINE ST # 46	HOUSTON	TX	77019
1291320020038	MARZUKA FERNANDO A	1010 ROSINE ST # 47	HOUSTON	TX	77019-3872	1010 ROSINE ST # 47	HOUSTON	TX	77019
1291320020039	REDNOUR JEFFREY	1010 ROSINE ST # 48	HOUSTON	TX	77019-3872	1010 ROSINE ST # 48	HOUSTON	TX	77019
1291320020040	PAJOOHI SHIRIN	226 MACHELL AVE	DALLAS	TX	18612-1614	1010 ROSINE ST # 49	HOUSTON	TX	77019
1291670010001	VEKILOV PETER G	1203 GENESEE ST	HOUSTON	TX	77019	1203 GENESEE ST	HOUSTON	TX	77019
1291670010002	KHUSROW SAFHAN	1205 GENESEE ST	HOUSTON	TX	77019	1205 GENESEE ST	HOUSTON	TX	77019
1291670010003	VIRANI RAHIL	1207 GENESEE ST	HOUSTON	TX	77019	1207 GENESEE ST	HOUSTON	TX	77019
1292820010001	WALKER LUKE	1308 STANFORD ST	HOUSTON	TX	77019	1308 STANFORD ST	HOUSTON	TX	77019
1292820010002	CHOUDHURI DILIP & SUCHETA	1310 STANFORD ST	HOUSTON	TX	77019	1310 STANFORD ST	HOUSTON	TX	77019
1294410010001	BARNETT BENJAMIN	907 RHODE PL STE A	HOUSTON	TX	77019-2723	907 RHODE PL #A	HOUSTON	TX	77019
1294410010002	NGO STEVE THANH	7 ROBITA ST	HOUSTON	TX	77019-2715	907 RHODE PL # B	HOUSTON	TX	77019
1294410010003	TRIDAN II LLC	3388 SAGE RD # 2302	HOUSTON	TX	77056-7249	907 RHODE PL # C	HOUSTON	TX	77019
1294420010001	MOELBAK RUNE	5925 ALMEDA RD UNIT 11509	HOUSTON	TX	77004-7673	0 RHODE PL	HOUSTON	TX	77019

1294420010002	MOELBAK RUNE	5925 ALMEDA RD UNIT 11509	HOUSTON	TX	77004-7673	0 RHODE PL	HOUSTON	TX	77019
1294420010003	CLARK CHRISTOPHER M	902 RHODE PL # C	HOUSTON	TX	77019	902 RHODE PL # C	HOUSTON	TX	77019
1294420010004	WATKINS SHIRELLE	902 RHODE PL # B	HOUSTON	TX	77019	902 RHODE PL # B	HOUSTON	TX	77019
1294420010005	HALL BRENDON J	902 RHODE PL UNIT A	HOUSTON	TX	77019-2752	902 RHODE PL #A	HOUSTON	TX	77019
1295540010001	GALLEGOMEJIA FELIPE	307 W BELL ST	HOUSTON	TX	77019	307 W BELL ST	HOUSTON	TX	77019
1295540010002	DANIELIDES ALEXANDER	942 HIGHLAND ST	HOUSTON	TX	77009-6513	305 W BELL ST	HOUSTON	TX	77019
1296450010001	KOSHY RAHEL R	1216 PEDEN ST # A	HOUSTON	TX	77006	1216 PEDEN ST # A	HOUSTON	TX	77006
1296450010002	MIRKOVICH DRAGAN	1216 PEDEN ST # B	HOUSTON	TX	77006-1170	1216 PEDEN ST # B	HOUSTON	TX	77006
1296450010003	KUHN STEPHEN T & ADRIANA	1216 PEDEN ST APT C	HOUSTON	TX	77006-1170	1216 PEDEN ST C	HOUSTON	TX	77006
1296460010001	CARR CALANDRE	3310 LOUISIANA ST APT 2305	HOUSTON	TX	77006-6637	515 PEDEN ST	HOUSTON	TX	77006
1296460010002	SEWARD FABIOLA M	517 PEDEN ST	HOUSTON	TX	77006	517 PEDEN ST	HOUSTON	TX	77006
1296460010003	HAGEN PAYTON L	519 PEDEN ST	HOUSTON	TX	77006	519 PEDEN ST	HOUSTON	TX	77006
1296460010004	CUNNINGHAM CHARLES L JR TR	4202 TEXANA	BAYTOWN	TX	77523-0775	521 PEDEN ST	HOUSTON	TX	77006
1296460010005	DAVIS CELINA VILLARREAL	10450 LOTTS FORD RD # 3103	BOWIE	MD	20721-2749	523 PEDEN ST	HOUSTON	TX	77006
1296570010001	GHIYASSI FARAH	302 W PIERCE ST	HOUSTON	TX	77019	302 W PIERCE ST	HOUSTON	TX	77019
1300060010001	MEMORIAL BY WINDSOR LP	PO BOX 4900	SCOTTSDALE	AZ	85261-4900	3131 MEMORIAL CT # 330	HOUSTON	TX	77007
1300280010001	PASTORINI DANTE A JR	407 W BELL AVE	HOUSTON	TX	77019	407 W BELL AVE	HOUSTON	TX	77019
1300280010002	CARSTENS CHRISTOPHER N	405 W BELL AVE	HOUSTON	TX	77019	405 W BELL AVE	HOUSTON	TX	77019
1303240010001	BURTON THOMAS R	1522 STANFORD ST	HOUSTON	TX	77019-4331	1522 STANFORD ST	HOUSTON	TX	77019
1303240010002	ENGLAND RICHARD	1518 STANFORD ST	HOUSTON	TX	77019	1518 STANFORD ST	HOUSTON	TX	77019
1303620000001	BENNETT DAVID R	1406 COLUMBUS ST UNIT 101	HOUSTON	TX	77019-4760	1406 COLUMBUS ST #101	HOUSTON	TX	77019
1303620000002	BH & MH LP	1406 COLUMBUS ST UNIT 102	HOUSTON	TX	77019-4760	1406 COLUMBUS ST #102	HOUSTON	TX	77019
1303620000003	BALTAZAR FLAVIO	17011 BURROWDALE CT	HOUSTON	TX	77084-6535	1406 COLUMBUS ST #201	HOUSTON	TX	77019
1303620000004	GUERRERO DANIEL	1406 COLUMBUS ST # 202	HOUSTON	TX	77019-4760	1406 COLUMBUS ST # 202	HOUSTON	TX	77019
1303620000005	CRAIG JOE	1406 COLUMBUS ST # 203	HOUSTON	TX	77019-4760	1406 COLUMBUS ST # 203	HOUSTON	TX	77019
1303620000006	NHAN KIET GIA	1406 COLUMBUS ST # 204	HOUSTON	TX	77019-4760	1406 COLUMBUS ST # 204	HOUSTON	TX	77019
1303620000007	PATE JENNY C	6348 MERIWETHER LN	SPRINGFIELD	VA	22150-1006	1406 COLUMBUS ST # 205	HOUSTON	TX	77019
1303620000008	CURRENT OWNER	1406 COLUMBUS ST APT 206	HOUSTON	TX	77019-4760	1406 COLUMBUS ST APT 206	HOUSTON	TX	77019
1303620000009	SERNA MATTHEW AARON	1406 COLUMBUS ST # 301	HOUSTON	TX	77019	1406 COLUMBUS ST # 301	HOUSTON	TX	77019
1303620000010	BELTRAN DEBORA	1406 COLUMBUS ST UNIT 302	HOUSTON	TX	77019-4761	1406 COLUMBUS ST #302	HOUSTON	TX	77019
1303620000011	GOMEZ RICARDO	1406 COLUMBUS ST # 303	HOUSTON	TX	77019-4761	1406 COLUMBUS ST # 303	HOUSTON	TX	77019
1303620000012	KUSTOVA VERA	22264 E LYNDON LOOP	CASTRO VALLI	CA	94552-5360	1406 COLUMBUS ST # 304	HOUSTON	TX	77019
1303620000013	GARCIA GUADALUPE C JR	1406 COLUMBUS ST # 305	HOUSTON	TX	77019-4761	1406 COLUMBUS ST # 305	HOUSTON	TX	77019
1303620000014	KHAN OZAIR	1406 COLUMBUS ST # 306	HOUSTON	TX	77019-4761	1406 COLUMBUS ST # 306	HOUSTON	TX	77019

1304800010001	YARRELL 2021 MANAGEMENT TRUST	719 BOMAR ST	HOUSTON	TX	77006	719 BOMAR ST	HOUSTON	TX	77006
1304800010002	1903 CROCKER LLC	721 E 7TH 1/2 ST	HOUSTON	TX	77007-1707	1903 CROCKER ST	HOUSTON	TX	77006
1304800010003	COOLEY CHASE & SOFIA	1905 CROCKER ST	HOUSTON	TX	77006-1326	1905 CROCKER ST	HOUSTON	TX	77006
1305490010001	CORWIN CHRISTOPHER N & LORI A	1241 PEDEN ST	HOUSTON	TX	77006	1241 PEDEN ST	HOUSTON	TX	77006
1305490010002	DASARI SRINIVASA RAO	1239 PEDEN ST	HOUSTON	TX	77006	1239 PEDEN ST	HOUSTON	TX	77006
1305840010001	MEDLEY JASON & EMILY	423 PEDEN AVE	HOUSTON	TX	77006	423 PEDEN AVE	HOUSTON	TX	77006
1305840010002	GILLMAN CHARLES J	419 PEDEN ST	HOUSTON	TX	77006	419 PEDEN ST	HOUSTON	TX	77006
1305920010001	SANDR VASSILIA	314 W POLK ST	HOUSTON	TX	77019	314 W POLK ST	HOUSTON	TX	77019
1305920010002	LYONS PATRICK	312 W POLK ST	HOUSTON	TX	77019	312 W POLK ST	HOUSTON	TX	77019
1306330010001	TAFT VENTURE LTD	2311 DUNLAVY ST STE 200	HOUSTON	TX	77006-1780	805 RHODE PL	HOUSTON	TX	77019
1306330010002	RABITO VENTURE LTD	805 RHODE PL STE 300	HOUSTON	TX	77019-2719	1718 RABITA ST	HOUSTON	TX	77019
1306800010001	ORPHEUS INVESTMENTS LLC	742 PEGASUS LN	LEAGUE CITY	TX	77573-2079	1300 PEDEN AVE	HOUSTON	TX	77006
1306800010002	SHAARANI MAJD AL	1788 N PIERCE ST apt 2006	ARLINGTON	VA	22209-2544	1302 PEDEN AVE	HOUSTON	TX	77006
1306800010003	PEDEN DEVELOPMENT LTD	817 N 3RD ST	BELLAIRE	TX	77401-2803	1304 PEDEN AVE	HOUSTON	TX	77006
1306800010004	PEDEN DEVELOPMENT LTD	817 N 3RD ST	BELLAIRE	TX	77401-2803	1306 PEDEN AVE	HOUSTON	TX	77006
1306800010005	HFRE INVESTMENT II LLC	17407 RAVEN CANYON LN	HOUSTON	TX	77095-3198	1612 HAZEL ST	HOUSTON	TX	77006
1306800010006	HFRE INVESTMENT II LLC	17407 RAVEN CANYON LN	HOUSTON	TX	77095-3198	1614 HAZEL ST	HOUSTON	TX	77006
1306800010007	CURRENT OWNER	1616 HAZEL ST	HOUSTON	TX	77006	1616 HAZEL ST	HOUSTON	TX	77006
1306900010001	KRUGER THALIA	311 W POLK ST	HOUSTON	TX	77019	311 W POLK ST	HOUSTON	TX	77019
1306900010002	HUGHES LARRY	309 W POLK ST	HOUSTON	TX	77019	309 W POLK ST	HOUSTON	TX	77019
1307930010001	LEBA PAUL & IRIS	1127 W BELL ST	HOUSTON	TX	77019	1127 W BELL ST	HOUSTON	TX	77019
1307930010002	ITKIN LINDSAY R	1129 W BELL ST	HOUSTON	TX	77019	1129 W BELL ST	HOUSTON	TX	77019
1308840010001	WESTHEIMER SHEPHARD AREA PROPERTIES LL	118 PAMELLIA DR	BELLAIRE	TX	77401-3712	1531 HAZEL ST	HOUSTON	TX	77019
1308840010002	WESTHEIMER SHEPHARD AREA PROPERTIES LL	118 PAMELLIA DR	BELLAIRE	TX	77401-3712	1248 W GRAY ST	HOUSTON	TX	77019
1308840010003	ONDA DEVELOPMENT LLC	2935 S BELT LINE ROAD	GRAND PRAIR	TX	75052-5999	1531 HAZEL ST	HOUSTON	TX	77019
1309750010001	LAOS NORA	1200 BOMAR ST	HOUSTON	TX	77006	1200 BOMAR ST	HOUSTON	TX	77006
1309780010001	WEST BENJAMIN T	1238 W PIERCE ST	HOUSTON	TX	77019	1238 W PIERCE ST	HOUSTON	TX	77019
1309780010002	CHERRY SANDEEP	1236 W PIERCE ST	HOUSTON	TX	77019	1236 W PIERCE ST	HOUSTON	TX	77019
1310470010001	MASON PAUL GEORGE TAYLOR	516 W POLK ST	HOUSTON	TX	77019	516 W POLK ST	HOUSTON	TX	77019
1310470010002	SEIPERT KYLE & FARRAH	514 W POLK ST	HOUSTON	TX	77019	514 W POLK ST	HOUSTON	TX	77019
1310880010001	DEYNOODT JOSEPH F III	1215 W BELL ST	HOUSTON	TX	77019	1215 W BELL ST	HOUSTON	TX	77019
1310880010002	CURRENT OWNER	1213 W BELL ST	HOUSTON	TX	77019	1213 W BELL ST	HOUSTON	TX	77019
1311250010001	PAN WANDA	1014 MARCONI ST	HOUSTON	TX	77019	1014 MARCONI ST	HOUSTON	TX	77019
1311250010002	KRAMER SCOTT & SUSAN A	1016 MARCONI ST	HOUSTON	TX	77019	1016 MARCONI ST	HOUSTON	TX	77019

1311250010003	HASSANALI KARIM SHIRAZ	1018 MARCONI ST	HOUSTON	TX	77019	1018 MARCONI ST	HOUSTON	TX	77019
1311320010001	TBSL DEVELOPMENT LLC	8101 CULLEN ESTATES DR	PEARLAND	TX	77584-4079	616 W PIERCE ST	HOUSTON	TX	77019
1311320010002	TBSL DEVELOPMENT LLC	8101 CULLEN ESTATES DR	PEARLAND	TX	77584-4079	1415 STANFORD ST	HOUSTON	TX	77019
1311320010003	TBSL DEVELOPMENT LLC	8101 CULLEN ESTATES DR	PEARLAND	TX	77584-4079	1413 STANFORD ST	HOUSTON	TX	77019
1313190010001	GRIFFIN DARREN B & PEREE E	1415 EBERHARD ST	HOUSTON	TX	77019	1415 EBERHARD ST	HOUSTON	TX	77019
1313190010002	GIBSON BRADY & ANDRADE ELIBETH	1220 W PIERCE ST	HOUSTON	TX	77019	1220 W PIERCE ST	HOUSTON	TX	77019
1313780010001	VOYTSEKHOVSKAYA ELPIDA	1318 CROCKER ST	HOUSTON	TX	77019	1318 CROCKER ST	HOUSTON	TX	77019
1313780010002	TARR JODHI	1322 CROCKER ST	HOUSTON	TX	77019	1322 CROCKER ST	HOUSTON	TX	77019
1314020010001	CLUNE JUSTIN	1406 CROCKER ST	HOUSTON	TX	77019	1406 CROCKER ST	HOUSTON	TX	77019
1314020010002	SZABLOWSKI JERZY	1408 CROCKER ST	HOUSTON	TX	77019	1408 CROCKER ST	HOUSTON	TX	77019
1314710010001	KMS TRUST	1019 CROCKER ST	HOUSTON	TX	77019	1019 CROCKER ST	HOUSTON	TX	77019
1314710010002	KING CHRISTOPHER	1021 CROCKER ST	HOUSTON	TX	77019	1021 CROCKER ST	HOUSTON	TX	77019
1314710010003	REFINETTI ANA PAULA CORREA	1023 CROCKER ST	HOUSTON	TX	77019	1023 CROCKER ST	HOUSTON	TX	77019
1314710010004	CARTER DAVID & JENNIFER	1025 CROCKER ST	HOUSTON	TX	77019	1025 CROCKER ST	HOUSTON	TX	77019
1314990010001	CONTRACTOR HUSSAIN	16810 NEWLIGHT BEND DR	HOUSTON	TX	77095	1314 STANFORD ST	HOUSTON	TX	77019
1314990010002	THAKAR KARTIK J	1316 STANFORD ST	HOUSTON	TX	77019	1316 STANFORD ST	HOUSTON	TX	77019
1314990010003	LOGVINOVA OLGA	1318 STANFORD ST	HOUSTON	TX	77019	1318 STANFORD ST	HOUSTON	TX	77019
1315310010001	D SQUARED REAL ESTATE LLC	1335 WEST GRAY ST STE 399	HOUSTON	TX	77019-4470	1335 W GRAY ST	HOUSTON	TX	77019
1315700010001	BKR MEMORIAL LLC	100 WAUGH DR STE 600	HOUSTON	TX	77007-6340	201 S HEIGHTS BLVD #436	HOUSTON	TX	77007
1316860010001	HOUSTON ISD	4400 W 18TH ST	HOUSTON	TX	77092-8501	1101 TAFT ST	HOUSTON	TX	77019
1319420010001	JONES SAMANTHA KAYE & TIEH LIENNA	1201 CROCKER ST	HOUSTON	TX	77019	1201 CROCKER ST	HOUSTON	TX	77019
1319420010002	MIHLON SCOTT C & COLLEEN E	1201 CROCKER ST # A	HOUSTON	TX	77020	1201 CROCKER ST # A	HOUSTON	TX	77019
1319760010001	RODRIGUEZ CARLOS	1111 PEDEN ST # B	HOUSTON	TX	77006	1111 PEDEN ST # B	HOUSTON	TX	77006
1319760010002	BROWN KATHLEEN & BEN	1111A PEDEN ST	HOUSTON	TX	77006-1225	1111 PEDEN ST #A	HOUSTON	TX	77006
1320610010001	DOCHERTY MARK J	321 W BELL ST	HOUSTON	TX	77019	321 W BELL ST	HOUSTON	TX	77019
1320610010002	RECH STEVEN & LEANA	319 W BELL ST	HOUSTON	TX	77019-4432	319 W BELL ST	HOUSTON	TX	77019
1320620010001	CHAMBERLAIN RONALD RAY JR	1958 W GRAY ST APT 2010	HOUSTON	TX	77019-4854	1106 JOE ANNIE ST	HOUSTON	TX	77019
1320620010002	HASSANALI SHIRAZ S	1102 JOE ANNIE ST	HOUSTON	TX	77019-4011	1102 JOE ANNIE ST	HOUSTON	TX	77019
1320640010001	HAWKINS JOHN R & KATHY R	513 W PIERCE ST	HOUSTON	TX	77019	513 W PIERCE ST	HOUSTON	TX	77019
1320640010002	SIMONATO ANA O	1115 TELLURIDE CT	MIDLAND	TX	79705-1906	515 W PIERCE ST	HOUSTON	TX	77019
1320690040002	REGENT SQUARE D2 LLC	125 HIGH ST	BOSTON	MA	02110-2704	1055 ROCHOW ST # 59	HOUSTON	TX	77019
1320690040003	COUNTY OF HARRIS	PO BOX 1525	HOUSTON	TX	77251-1525	0 ROSINE ST	HOUSTON	TX	77019
1320690040005	SOVEREIGN REGENT SQUARE LLC	125 HIGH ST STE 2700	BOSTON	MA	02110-2704	3233 W DALLAS ST # 290	HOUSTON	TX	77019
1321900010001	1212 RESTAURANT HOLDINGS LLC	440 LOUISIANA ST STE 1600	HOUSTON	TX	77002-1060	1212 WAUGH DR	HOUSTON	TX	77019

1321900010002	COUNTY OF HARRIS	PO BOX 1525	HOUSTON	TX	77251-1525	0 ROSINE ST	HOUSTON	TX	77019
1325230010001	MA LE Q & THONG	1409 STANFORD ST	HOUSTON	TX	77019	1409 STANFORD ST	HOUSTON	TX	77019
1325230010002	SAMO SIMON G	1407 STANFORD ST	HOUSTON	TX	77019	1407 STANFORD ST	HOUSTON	TX	77019
1325230010003	TESHOME MEDIGET	1405 STANFORD ST	HOUSTON	TX	77019	1405 STANFORD ST	HOUSTON	TX	77019
1325230010004	NADIRA RAMON & ADELA D	3636 W DALLAS ST UNIT 404	HOUSTON	TX	77019-1774	611 W BELL ST	HOUSTON	TX	77019
1325230010005	GITOMER RYAN	613 W BELL ST	HOUSTON	TX	77019	613 W BELL ST	HOUSTON	TX	77019
1325230010006	SANCHEZ VICENTE & SILVIA M	615 W BELL ST	HOUSTON	TX	77019	615 W BELL ST	HOUSTON	TX	77019
1325630010001	AU THOMAS P & ANNA S	1232 W BELL ST	HOUSTON	TX	77019-4185	1232 W BELL ST	HOUSTON	TX	77019
1325630010002	MEINHOLD THEODORE E & TERRI A	1230 W BELL ST	HOUSTON	TX	77019	1230 W BELL ST	HOUSTON	TX	77019
1326900010001	ADKINS KURT EDWARD	3800 SOUTHWEST FWY STE 302	HOUSTON	TX	77027-7587	320 W BELL ST	HOUSTON	TX	77019
1326900010002	CURRENT OWNER	318 W BELL ST	HOUSTON	TX	77019	318 W BELL ST	HOUSTON	TX	77019
1328690010001	CALLAGHAN AIMEE & GLENN	1401 CROCKER ST	HOUSTON	TX	77019	1401 CROCKER ST	HOUSTON	TX	77019
1328690010002	CANTAFIO ALBERTO J	1403 CROCKER ST	HOUSTON	TX	77019	1403 CROCKER ST	HOUSTON	TX	77019
1329160010001	GARDEA RODOLFO JR	320 W PIERCE ST	HOUSTON	TX	77019	320 W PIERCE ST	HOUSTON	TX	77019
1329160010002	IRWIN JOSHUA R	322 W PIERCE ST	HOUSTON	TX	77019	322 W PIERCE ST	HOUSTON	TX	77019
1329900010001	GRANT PATRICK G	509 W PIERCE ST	HOUSTON	TX	77019	509 W PIERCE ST	HOUSTON	TX	77019
1329900010002	THOMPSON RODERICK & LESLIE C	511 W PIERCE ST	HOUSTON	TX	77019	511 W PIERCE ST	HOUSTON	TX	77019
1330460010001	IDOWU OLUSEYI	306 W BELL ST	HOUSTON	TX	77019	306 W BELL ST	HOUSTON	TX	77019
1330460010002	GOULD CHARLES	308 W BELL ST	HOUSTON	TX	77019	308 W BELL ST	HOUSTON	TX	77019
1330460010003	VALENZUELA ANA THALIA JAGUANDE	310 W BELL ST	HOUSTON	TX	77019	310 W BELL ST	HOUSTON	TX	77019
1330490010001	STEWART MARJORIE	1201 PEVETO ST	HOUSTON	TX	77019	1201 PEVETO ST	HOUSTON	TX	77019
1330490010002	CURRENT OWNER	1203 PEVETO ST	HOUSTON	TX	77019	1203 PEVETO ST	HOUSTON	TX	77019
1330490010003	DEANGELI ADA MARIE	1818 RIGGS PL NW APT 210	WASHINGTON	DC	20009-6141	1205 PEVETO ST	HOUSTON	TX	77019
1330490010004	BEARD STANLEY S JR	PO BOX 66434	HOUSTON	TX	77266-6434	1207 PEVETO ST	HOUSTON	TX	77019
1330770010001	SHAW'S JEWELRY LTD	1015 W GRAY ST	HOUSTON	TX	77019	1015 W GRAY ST	HOUSTON	TX	77019
1331110010001	MICHAEL ADAM	1305 W BELL ST	HOUSTON	TX	77019	1305 W BELL ST	HOUSTON	TX	77019
1331110010002	LOPEZ DIANA	312 PEARL PKWY APT 4307	SAN ANTONIO	TX	78215-1197	1303 W BELL ST	HOUSTON	TX	77019
1331260010001	1616 WEST DALLAS HOUSTON OWNER LLC	PO BOX 131237	CARLSBAD	CA	92013-1237	1616 W DALLAS ST #246	HOUSTON	CA	77019
1331390010001	SENG JUO HSIN CLAIRE	422 PEDEN ST	HOUSTON	TX	77006	422 PEDEN ST	HOUSTON	TX	77006
1331390010002	PASSONI NICCOLO MARIA	420 PEDEN ST	HOUSTON	TX	77006	420 PEDEN ST	HOUSTON	TX	77006
1332020010001	IYER VISHAL & KARLA G	1108 PEVETO ST UNIT A	HOUSTON	TX	77019	1108 PEVETO ST UNIT A	HOUSTON	TX	77019
1332020010002	KENDALL ALEXANDER M	1108 PEVETO ST # B	HOUSTON	TX	77019	1108 PEVETO ST # B	HOUSTON	TX	77019
1332020010003	CURRENT OWNER	1522 LONGACRE DR	HOUSTON	TX	77055-3129	1108 PEVETO ST # C	HOUSTON	TX	77019
1332020010004	SMITH ROARK AUSTIN	1112 PEVETO ST # C	HOUSTON	TX	77019	1112 PEVETO ST # C	HOUSTON	TX	77019

1332020010005	KHOJA SURAIYA A	25615 MADISON FALLS LN	KATY	TX	77494-8553	1112 PEVETO ST # B	HOUSTON	TX	77019
1332020010006	MIMS BRIAN L	1112 PEVETO ST # A	HOUSTON	TX	77019	1112 PEVETO ST # A	HOUSTON	TX	77019
1332940010001	CONTRERAS YVONNE R	1125 W BELL ST	HOUSTON	TX	77019	1125 W BELL ST	HOUSTON	TX	77019
1332940010002	MUMBY KIM R	1404 MARCONI ST	HOUSTON	TX	77019	1404 MARCONI ST	HOUSTON	TX	77019
1332940010003	SANTAMARIA ANNETTE B	1408 MARCONI ST	HOUSTON	TX	77019	1408 MARCONI ST	HOUSTON	TX	77019
1333030010001	WOO GEORGE	13 CAVENDISH CT	DALLAS	TX	75225-2456	421 W BELL ST	HOUSTON	TX	77019
1333030010002	GRIBBLE MARK D & JENNIFER A	419 W BELL ST	HOUSTON	TX	77019	419 W BELL ST	HOUSTON	TX	77019
1334600010001	GHOSN MARWAN	1337 W BELL ST	HOUSTON	TX	77019	1337 W BELL ST	HOUSTON	TX	77019
1334600010002	MATTHEWS CHRISTOPHER F & LEIGH M	1335 W BELL ST	HOUSTON	TX	77019	1335 W BELL ST	HOUSTON	TX	77019
1335700010001	PPF AMLI RIVER OAKS LLC	141 W JACKSON BLVD STE 300	CHICAGO	IL	60604-3123	1340 W GRAY ST # 275	HOUSTON	TX	77019
1335750010001	FATA PETER N	1221 PEDEN ST	HOUSTON	TX	77006	1221 PEDEN ST	HOUSTON	TX	77006
1335750010002	SHAH SARYU & MAULIN	1223 PEDEN ST	HOUSTON	TX	77006	1223 PEDEN ST	HOUSTON	TX	77006
1335750010003	MOUJAES ANTOINE	1225 PEDEN ST	HOUSTON	TX	77006	1225 PEDEN ST	HOUSTON	TX	77006
1336340010001	WAITE DANIEL S	504 W PIERCE ST	HOUSTON	TX	77019	504 W PIERCE ST	HOUSTON	TX	77019
1336340010002	ABREU GONZALEZ GIGLIOLLA A	506 W PIERCE ST	HOUSTON	TX	77019-4453	506 W PIERCE ST	HOUSTON	TX	77019
1336500010001	KUMAR DHARTI M & RAJIV A	1632 GLOURIE DR	HOUSTON	TX	77055-3408	316 W CLAY ST	HOUSTON	TX	77019
1336500010002	ALLAN DAMIAN & JEANETTE	1612 RANCH TOP CT	MONTGOMER	TX	77316-2458	314 W CLAY ST	HOUSTON	TX	77019
1336500010003	SCHREIBER CHAD	312 W CLAY ST	HOUSTON	TX	77019	312 W CLAY ST	HOUSTON	TX	77019
1336500010004	HICKS WILLIAM A & CHRISTINE M	310 W CLAY ST	HOUSTON	TX	77019	310 W CLAY ST	HOUSTON	TX	77019
1336500010005	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 W CLAY ST	HOUSTON	TX	77019
1337020010001	CODY -SANCHEZ INDIA & CODY	306 W PIERCE ST	HOUSTON	TX	77019	306 W PIERCE ST	HOUSTON	TX	77019
1337020010002	MAN OLIVER S	308 W PIERCE ST	HOUSTON	TX	77019	308 W PIERCE ST	HOUSTON	TX	77019
1337160010001	HENRIQUEZ ANAIS	1116 STANFORD ST	HOUSTON	TX	77019	1116 STANFORD ST	HOUSTON	TX	77019
1337160010002	RUNGTA MEHA	1114 STANFORD ST	HOUSTON	TX	77019	1114 STANFORD ST	HOUSTON	TX	77019
1338560010001	RATTRAY TRACY	1237 W PIERCE ST	HOUSTON	TX	77019	1237 W PIERCE ST	HOUSTON	TX	77019
1338560010002	CLAYTON PAUL R & KIMBERLY A	1235 W PIERCE ST	HOUSTON	TX	77019	1235 W PIERCE ST	HOUSTON	TX	77019
1338580010001	SCHEER HARRISON & KELLY	313 W POLK ST	HOUSTON	TX	77019	313 W POLK ST	HOUSTON	TX	77019
1338580010002	SHUTTLESWORTH SALISE	315 W POLK ST	HOUSTON	TX	77019	315 W POLK ST	HOUSTON	TX	77019
1338670010001	MOLINA LUIS A	1018 CROCKER ST UNIT B	HOUSTON	TX	77019-4338	1018 B CROCKER ST	HOUSTON	TX	77019
1338670010002	FITZSIMMONS SEAN R & LEEANN	1708 SPRING GREEN BLVD STE 120-	KATY	TX	77494-7462	1018 A CROCKER ST	HOUSTON	TX	77019
1339640010001	GAYER MARTIN	3139 W HOLCOMBE BLVD STE 1381	HOUSTON	TX	77025-1533	1205 ROSINE ST	HOUSTON	TX	77019
1339640010002	CURRENT OWNER	1207 ROSINE ST	HOUSTON	TX	77019	1207 ROSINE ST	HOUSTON	TX	77019
1339640010003	PAULSON SHIRA P	1209 ROSINE ST	HOUSTON	TX	77019	1209 ROSINE ST	HOUSTON	TX	77019
1339640010004	TRAN LOAN	1211 ROSINE ST	HOUSTON	TX	77019	1211 ROSINE ST	HOUSTON	TX	77019

1339980010001	315 W CLAY FLATS LLC	1912 W MAIN ST	HOUSTON	TX	77098-3414	315 W CLAY ST #9	HOUSTON	TX	77019
1339980010002	314 W BELL FLATS LLC	12918 WATERS EDGE PLACE	HOUSTON	TX	77041-7641	314 W BELL ST #6	HOUSTON	TX	77019
1340030010001	CHERRY MATHEW & LILA	1 CHAMPION HILL DR	LUFKIN	TX	75901-7479	1234 W PIERCE ST	HOUSTON	TX	77019
1340030010002	CLEMENTS GLENN H & MICHELE M	1232 W PIERCE ST	HOUSTON	TX	77019	1232 W PIERCE ST	HOUSTON	TX	77019
1340190010001	LAKESIDE PLACE PFC	2640 FOUNTAIN VIEW DR	HOUSTON	TX	77057-7630	2400 W DALLAS AVE	HOUSTON	TX	77019
1340370010001	KORRA MADDIE M	1315 CROCKER ST	HOUSTON	TX	77019	1315 CROCKER ST	HOUSTON	TX	77019
1340370010002	NGUYEN LAN	6322 E MYSTIC MEADOW	HOUSTON	TX	77021-2263	1317 CROCKER ST	HOUSTON	TX	77019
1341290010001	KAMAL HARIS	850 PACIFIC ST APT 702	STAMFORD	CT	06902-7399	535 W BELL AVE	HOUSTON	TX	77019
1341290010002	CURRENT OWNER	529 W BELL AVE	HOUSTON	TX	77019	529 W BELL AVE	HOUSTON	TX	77019
1341290010003	VERRENGIA ASHTON A	519 W BELL AVE	HOUSTON	TX	77019	519 W BELL AVE	HOUSTON	TX	77019
1341290010004	VIGGIANO BROOKE A	521 W BELL AVE	HOUSTON	TX	77019	521 W BELL AVE	HOUSTON	TX	77019
1341290010005	CURRENT OWNER	527 W BELL AVE	HOUSTON	TX	77019	527 W BELL AVE	HOUSTON	TX	77019
1341290010006	TAWNEY MARK R & MIYUKI Y	533 W BELL AVE	HOUSTON	TX	77019	533 W BELL AVE	HOUSTON	TX	77019
1341290010007	LOZANO JESSICA A	531 W BELL AVE	HOUSTON	TX	77019	531 W BELL AVE	HOUSTON	TX	77019
1341290010008	MCKISHNIE ROBERT AARON	525 W BELL AVE	HOUSTON	TX	77019	525 W BELL AVE	HOUSTON	TX	77019
1341290010009	PARKHURST MATTHEW E	523 W BELL ST	HOUSTON	TX	77019	523 W BELL ST	HOUSTON	TX	77019
1341380010001	VAUGHAN STANLEY J	505 W BELL ST	HOUSTON	TX	77019	505 W BELL ST	HOUSTON	TX	77019
1341380010002	SOLLERS ERIK ALAN & CLAYTON COLE	503 W BELL ST	HOUSTON	TX	77019	503 W BELL ST	HOUSTON	TX	77019
1341570010001	THERA INVESTMENTS LLC	17306 DESERT OAK CT	SPRING	TX	77379-5541	504 W GRAY ST	HOUSTON	TX	77019
1341680010001	MEINECKE KERSTIN	1226 W BELL ST # C	HOUSTON	TX	77019	1226 W BELL ST # C	HOUSTON	TX	77019
1341680010002	ARTHUR JOSEPH GREGORY	1226 W BELL ST # B	HOUSTON	TX	77019-4185	1226 W BELL ST #B	HOUSTON	TX	77019
1341680010003	MCKELFRESH ROBERT E	1226 W BELL ST # A	HOUSTON	TX	77019	1226 W BELL ST # A	HOUSTON	TX	77019
1342430010001	ASADI MAZEN AL & GHADA AL	5001 WOODWAY DR UNIT 701	HOUSTON	TX	77056-1718	1012 STANFORD ST	HOUSTON	TX	77019
1342430010002	BOUVARD BENOIT-XAVIER	1010 STANFORD ST	HOUSTON	TX	77019-4305	1010 STANFORD ST	HOUSTON	TX	77019
1342440010001	DACOSTA VASCO S	407 W POLK ST	HOUSTON	TX	77019	407 W POLK ST	HOUSTON	TX	77019
1342440010002	KWETON PAUL	409 W POLK ST	HOUSTON	TX	77019	409 W POLK ST	HOUSTON	TX	77019
1342440010003	CHAKEEN CONNOR M	411 W POLK ST	HOUSTON	TX	77019	411 W POLK ST	HOUSTON	TX	77019
1342810010001	DAYWALT JOHN L & VICTORIA B	1235 W BELL ST # B	HOUSTON	TX	77019	1235 W BELL ST # B	HOUSTON	TX	77019
1342810010002	GRIEVES WILLIAM A JR	1235 W BELL ST # A	HOUSTON	TX	77019	1235 W BELL ST # A	HOUSTON	TX	77019
1343550010001	LEE HOWARD A	1512 CROCKER ST	HOUSTON	TX	77019	1512 CROCKER ST	HOUSTON	TX	77019
1343550010002	SWIFT LESLIE J JR	1510 CROCKER ST	HOUSTON	TX	77019	1510 CROCKER ST	HOUSTON	TX	77019
1343730010001	SALEH AHMED	515 W 20TH ST APT 25	HOUSTON	TX	77008-3892	612 W POLK ST	HOUSTON	TX	77019
1343730010002	MEDFORD KATHERINE	610 W POLK ST	HOUSTON	TX	77019	610 W POLK ST	HOUSTON	TX	77019
1343900010001	CLEVELAND MICHAEL N & CLARA V	1911 CHERRYTREE PARK CIRCLE	HOUSTON	TX	77062-2327	321 PEDEN ST	HOUSTON	TX	77019

1343900010002	DUNNE JOHN C & REBECCA E	319 PEDEN ST	HOUSTON	TX	77019	319 PEDEN ST	HOUSTON	TX	77019
1344050010001	SAMMOUR NOOR	1917 CONVERSE ST	HOUSTON	TX	77006	1917 CONVERSE ST	HOUSTON	TX	77006
1344050010002	LAWRENCE KIMBERLY B	1921 CONVERSE ST	HOUSTON	TX	77006	1921 CONVERSE ST	HOUSTON	TX	77006
1344050010003	EFTEKHAR ARSALAN	1925 CONVERSE ST	HOUSTON	TX	77006	1925 CONVERSE ST	HOUSTON	TX	77006
1344050010004	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WILLARD ST	HOUSTON	TX	77006
1344070010001	ALBERS MARLENE T	1205 CROCKER ST	HOUSTON	TX	77019	1205 CROCKER ST	HOUSTON	TX	77019
1344070010002	CURRENT OWNER	1207 CROCKER ST	HOUSTON	TX	77019	1207 CROCKER ST	HOUSTON	TX	77019
1344080010001	PARDEE EDWARD ANTHONY & ELIZABETH ANG	307 PEDEN ST	HOUSTON	TX	77006	307 PEDEN ST	HOUSTON	TX	77006
1344080010002	LANDER NIGEL & CATHERINE M	305 PEDEN ST	HOUSTON	TX	77006	305 PEDEN ST	HOUSTON	TX	77006
1345250010001	VANLANDINGHAM KATHLEEN M & CLYDE H	803 BOMAR ST # B	HOUSTON	TX	77006	803 BOMAR ST # B	HOUSTON	TX	77006
1345250010002	MUNTER ROBERT & KAYLA	803 BOMAR ST # A	HOUSTON	TX	77006	803 BOMAR ST # A	HOUSTON	TX	77006
1345370010001	HC2 ALTA WEST GRAY LP	3715 NORTHSIDE PKWY NW BLDG 4	ATLANTA	GA	30327-2857	299 W GRAY # 166	HOUSTON	TX	77019
1345990010001	FRUSCO SUE COVERT & SALVATORE J	1505 EBERHARD ST	HOUSTON	TX	77019	1505 EBERHARD ST	HOUSTON	TX	77019
1345990010002	COSME LUIS E	1507 EBERHARD ST	HOUSTON	TX	77019	1507 EBERHARD ST	HOUSTON	TX	77019
1345990010003	HUYNH VIET	1509 EBERHARD ST	HOUSTON	TX	77019	1509 EBERHARD ST	HOUSTON	TX	77019
1346030010001	ERASLAN EMIN S & HULYA K	311 PEDEN ST	HOUSTON	TX	77006-1417	311 PEDEN ST	HOUSTON	TX	77006
1346030010002	DUNCOMBE BRENDEN & GARIELA	309 PEDEN ST	HOUSTON	TX	77006	309 PEDEN ST	HOUSTON	TX	77006
1346210010001	JUNG JIN W	322 PEDEN ST	HOUSTON	TX	77006	322 PEDEN ST	HOUSTON	TX	77006
1346210010002	VAFAEI SARA	320 PEDEN ST	HOUSTON	TX	77006	320 PEDEN ST	HOUSTON	TX	77006
1347140010001	YUAN ERIC CAO	801 BOMAR ST	HOUSTON	TX	77006	801 BOMAR ST	HOUSTON	TX	77006
1347140010002	TOTTEN JEFFREY S & PATRICIA L	1904 CROCKER ST	HOUSTON	TX	77006	1904 CROCKER ST	HOUSTON	TX	77006
1347140010003	PIAZZA ALESSANDRO	1906 CROCKER ST	HOUSTON	TX	77006	1906 CROCKER ST	HOUSTON	TX	77006
1347330010001	NORTHCUTT BENJAMIN G & DANIA	1113 PEDEN ST # A	HOUSTON	TX	77006	1113 PEDEN ST # A	HOUSTON	TX	77006
1347330010002	GHAVIDEL ABTEAN	1113 PEDEN ST # B	HOUSTON	TX	77006	1113 PEDEN ST # B	HOUSTON	TX	77006
1347440010001	FEYIJIMI OMOTAYO	1216 W PIERCE ST	HOUSTON	TX	77019	1216 W PIERCE ST	HOUSTON	TX	77019
1347440010002	TEDJA MICHELLE D	1214 W PIERCE ST	HOUSTON	TX	77019	1214 W PIERCE ST	HOUSTON	TX	77019
1347440010003	NG ANN SIULON	1212 W PIERCE ST	HOUSTON	TX	77019	1212 W PIERCE ST	HOUSTON	TX	77019
1347440010004	CONN RACHEL M	1210 W PIERCE ST	HOUSTON	TX	77019	1210 W PIERCE ST	HOUSTON	TX	77019
1348120010001	WATSON KENNETH O & SHELLEY H	615 W SAULNIER ST	HOUSTON	TX	77019	615 W SAULNIER ST	HOUSTON	TX	77019
1348120010002	BOBLITT KYRSTIN	1105 STANFORD ST	HOUSTON	TX	77019-4306	1105 STANFORD ST	HOUSTON	TX	77019
1349450010001	AUYANG PHILIP L & ETUX	3226 LEONIDAS ST	HOUSTON	TX	77019	3226 LEONIDAS ST	HOUSTON	TX	77019
1349450010002	MASSUTTIER ABRAHAM	3224 LEONIDAS ST	HOUSTON	TX	77019	3224 LEONIDAS ST	HOUSTON	TX	77019
1349500010001	LU PING	1212 W BELL ST	HOUSTON	TX	77019	1212 W BELL ST	HOUSTON	TX	77019
1349500010002	LUNINE SCOTT & PATRICIA	1210 W BELL ST	HOUSTON	TX	77019	1210 W BELL ST	HOUSTON	TX	77019

1349510010001	BODORFF JAN V	PO BOX 130651	HOUSTON	TX	77219-0651	1324 W BELL ST	HOUSTON	TX	77019
1349510010002	BODORFF JAN V	PO BOX 130651	HOUSTON	TX	77219-0651	1326 W BELL ST	HOUSTON	TX	77019
1349930010001	CH RETAIL FUND I	3819 MAPLE AVE	DALLAS	TX	75219-3913	1000 W GRAY ST	HOUSTON	TX	77019
1350860010001	LANCLOS DEVELOPMENT LLC	9119 KATY FWY	HOUSTON	TX	77024-1639	417 W BELL ST	HOUSTON	TX	77019
1350860010002	DEAN CHRISTOPHER J	1869 BENT CREEK LANE	LEAGUE CITY	TX	77573-7714	415 W BELL ST	HOUSTON	TX	77019
1351090010001	BOLINGBROKE DOUGLAS R	1205 PEDEN ST	HOUSTON	TX	77006-1130	1205 PEDEN ST	HOUSTON	TX	77006
1351090010002	CHADDERDON JACK E	1207 PEDEN ST	HOUSTON	TX	77006	1207 PEDEN ST	HOUSTON	TX	77006
1351160010001	KNIGHTTURCAN KURT & MICHELLE	1410 CROCKER ST	HOUSTON	TX	77019	1410 CROCKER ST	HOUSTON	TX	77019
1351160010002	GILLAS ANGIE MARIE	1412 CROCKER ST	HOUSTON	TX	77019-4321	1412 CROCKER ST	HOUSTON	TX	77019
1351550010001	VALENCIA JAVIER O	1315 GENESEE ST	HOUSTON	TX	77019	1315 GENESEE ST	HOUSTON	TX	77019
1351550010002	CUASCUT FERNANDO X	1319 GENESEE ST	HOUSTON	TX	77019	1319 GENESEE ST	HOUSTON	TX	77019
1351550010003	DILLINGHAM JOSHUA	1323 GENESEE ST	HOUSTON	TX	77019	1323 GENESEE ST	HOUSTON	TX	77019
1351800010001	THF PARTNERS LLC	1305 W 11TH ST	HOUSTON	TX	77008-6501	612 W PIERCE ST	HOUSTON	TX	77019
1351800010002	THF PARTNERS LLC	1305 W 11TH ST	HOUSTON	TX	77008-6501	610 W PIERCE ST	HOUSTON	TX	77019
1351930010001	SCRUGGS RICHARD M & CYNTHIA K	519 W POLK ST	HOUSTON	TX	77019	519 W POLK ST	HOUSTON	TX	77019
1351930010002	ESENKOV OLEG E	515 W POLK ST	HOUSTON	TX	77019	515 W POLK ST	HOUSTON	TX	77019
1352400010001	JENNIFER & DONALD WALKER LIVING TRUST	509 POLK ST	HOUSTON	TX	77019-4420	508 W POLK ST	HOUSTON	TX	77019
1352400010002	WRIGHT HARRY	506 W POLK ST	HOUSTON	TX	77019	506 W POLK ST	HOUSTON	TX	77019
1352410010001	FLETCHER CHARLES & OTITOLOLA	1108 BOMAR ST # B	HOUSTON	TX	77006	1108 BOMAR ST # B	HOUSTON	TX	77006
1352410010002	GSANGER CECILE FOY & JOHN B	1108 BOMAR ST # A	HOUSTON	TX	77006	1108 BOMAR ST # A	HOUSTON	TX	77006
1352410010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 BOMAR ST	HOUSTON	TX	77006
1352510010001	VIRANI RAHIM & SHARMEEN	1110 JOE ANNIE ST # A	HOUSTON	TX	77019	1110 JOE ANNIE ST # A	HOUSTON	TX	77019
1352510010002	SHEARER SARA A & DOUGLAS	1110 JOE ANNIE ST	HOUSTON	TX	77019	1110 JOE ANNIE ST	HOUSTON	TX	77019
1352510010003	REICHEK MANFORD A	1108 JOE ANNIE ST UNIT A	HOUSTON	TX	77019	1108 JOE ANNIE ST # A	HOUSTON	TX	77019
1352510010004	DEWHURST CHARLES & MARY	1108 JOE ANNIE ST	HOUSTON	TX	77019	1108 JOE ANNIE ST	HOUSTON	TX	77019
1352520010001	PEREIRA JOAO PEDRO DEALMEIDA	517 W SAULNIER ST	HOUSTON	TX	77019	517 W SAULNIER ST	HOUSTON	TX	77019
1352520010002	MOODLEY ENASH S	515 W SAULNIER ST	HOUSTON	TX	77019	515 W SAULNIER ST	HOUSTON	TX	77019
1352520010003	TANG JEFFREY	513 W SAULNIER ST	HOUSTON	TX	77019	513 W SAULNIER ST	HOUSTON	TX	77019
1352600010001	FLEURY SIMON	10806 W BELLFORT ST	HOUSTON	TX	77099-4751	715 W GRAY ST	HOUSTON	TX	77019
1353570010001	MIRANDA ROBERT	503 W CLAY ST	HOUSTON	TX	77019	503 W CLAY ST	HOUSTON	TX	77019
1353570010002	CURRENT OWNER	505 W CLAY ST	HOUSTON	TX	77019	505 W CLAY ST	HOUSTON	TX	77019
1353570010003	CURRENT OWNER	507 W CLAY ST	HOUSTON	TX	77019	507 W CLAY ST	HOUSTON	TX	77019
1353570010004	GROTE GARY E & JANICE P	509 W CLAY ST	HOUSTON	TX	77019	509 W CLAY ST	HOUSTON	TX	77019
1353570010005	CURRENT OWNER	511 W CLAY ST	HOUSTON	TX	77019	511 W CLAY ST	HOUSTON	TX	77019

1353570010006	COUNTY OF HARRIS	PO BOX 1525	HOUSTON	TX	77251-1525	0 W CLAY ST	HOUSTON	TX	77019
1353610010001	MA WUJI	1120 COLUMBUS BLVD # E	HOUSTON	TX	77019	1120 COLUMBUS BLVD # E	HOUSTON	TX	77019
1353610010002	ARENA REAL ESTATE INC	12701 HUNTINGWICK DR	HOUSTON	TX	77024-4807	1120 COLUMBUS BLVD # D	HOUSTON	TX	77019
1353610010003	YOUNG WILLIAM L JR	1120 COLUMBUS BLVD # C	HOUSTON	TX	77019	1120 COLUMBUS BLVD # C	HOUSTON	TX	77019
1353610010004	BUDIHARTO CATHARINA	1120 COLUMBUS ST UNIT B	HOUSTON	TX	77019-4361	1120 COLUMBUS BLVD #B	HOUSTON	TX	77019
1353610010005	CHEN CHUANQI & LINA	1120 COLUMBUS BLVD # A	HOUSTON	TX	77019	1120 COLUMBUS BLVD # A	HOUSTON	TX	77019
1354060010001	GOODREAU MARY	1 ROBITA ST	HOUSTON	TX	77019	1 ROBITA ST	HOUSTON	TX	77019
1354060010002	NGO STEVE T	7 ROBITA ST	HOUSTON	TX	77019	7 ROBITA ST	HOUSTON	TX	77019
1354060010003	WESTBROOK CLYDE R & PATRICIA C	3 ROBITA ST	HOUSTON	TX	77019	3 ROBITA ST	HOUSTON	TX	77019
1354060010004	KIMBLE WILLIAM	9 ROBITA ST	HOUSTON	TX	77019	9 ROBITA ST	HOUSTON	TX	77019
1354060010005	NASEEM FAISAL	611 PLUMBRIDGE LN	SUGAR LAND	TX	77479-4329	5 ROBITA ST	HOUSTON	TX	77019
1354060010006	YARBROUGH DARRELL G & ANN	11 ROBITA ST	HOUSTON	TX	77019	11 ROBITA ST	HOUSTON	TX	77019
1354060010007	HANKS WILLIAM D	13 ROBITA ST	HOUSTON	TX	77019	13 ROBITA ST	HOUSTON	TX	77019
1354060010008	AMAYA GUILLERMO J	19 ROBITA ST	HOUSTON	TX	77019-2715	19 ROBITA ST	HOUSTON	TX	77019
1354060010009	MONK CHRISTOPHER & CARYN E	15 ROBITA ST	HOUSTON	TX	77019	15 ROBITA ST	HOUSTON	TX	77019
1354060010010	TAER ANDREW & ELLEN S	21 ROBITA ST	HOUSTON	TX	77019	21 ROBITA ST	HOUSTON	TX	77019
1354060010011	COLLINS ROBERT W & CAROL A	17 ROBITA ST	HOUSTON	TX	77019	17 ROBITA ST	HOUSTON	TX	77019
1354060010012	CURRENT OWNER	23 ROBITA ST	HOUSTON	TX	77019	23 ROBITA ST	HOUSTON	TX	77019
1354060010013	5177 BUILDERS LTD	2410 POLK ST STE 200	HOUSTON	TX	77003	0 ROBITA ST	HOUSTON	TX	77019
1354680010001	PEACOCK CODY L	1220 TAFT ST	HOUSTON	TX	77019	1220 TAFT ST	HOUSTON	TX	77019
1354680010002	CURRENT OWNER	1218 TAFT ST	HOUSTON	TX	77019	1218 TAFT ST	HOUSTON	TX	77019
1354680010003	STROH THOMAS & AMY B	1216 TAFT ST	HOUSTON	TX	77019	1216 TAFT ST	HOUSTON	TX	77019
1354680010004	PELZ LEAH K	306 W CLAY ST	HOUSTON	TX	77019	306 W CLAY ST	HOUSTON	TX	77019
1354680010005	WINTER MATTHEW D	308 W CLAY ST	HOUSTON	TX	77019	308 W CLAY ST	HOUSTON	TX	77019
1354680010006	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 W CLAY ST	HOUSTON	TX	77019
1357730010001	FRANCIS DAVID	1122 W PIERCE ST	HOUSTON	TX	77019	1122 W PIERCE ST	HOUSTON	TX	77019
1357730010002	WANG XIN	1416 MARCONI ST	HOUSTON	TX	77019	1416 MARCONI ST	HOUSTON	TX	77019
1357730010003	FREELAND BYRON A & MIKA	1412 MARCONI ST	HOUSTON	TX	77019	1412 MARCONI ST	HOUSTON	TX	77019
1357790010001	ONYX LAND PARTNERS LLC	1322 W BELL ST	HOUSTON	TX	77019	1322 W BELL ST	HOUSTON	TX	77019
1357790010002	CURRENT OWNER	1320 W BELL ST	HOUSTON	TX	77019	1320 W BELL ST	HOUSTON	TX	77019
1358220010001	SHETH SHAAN N	804 WILLARD ST # B	HOUSTON	TX	77006	804 WILLARD ST # B	HOUSTON	TX	77006
1358220010002	AFRASIABI PARVEEZ JAMES	804 WILLARD ST UNIT A	HOUSTON	TX	77006-1351	804 WILLARD ST #A	HOUSTON	TX	77006
1358220010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WILLARD ST	HOUSTON	TX	77006
1359200010001	COOPER LAWSON	1504 EBERHARD ST	HOUSTON	TX	77019	1504 EBERHARD ST	HOUSTON	TX	77019

1359200010002	BARNES MASON DOUGLAS	1506 EBERHARD ST	HOUSTON	TX	77019-4148	1506 EBERHARD ST	HOUSTON	TX	77019
1359200010003	DERWAL ERIC VAN	1508 EBERHARD ST	HOUSTON	TX	77019	1508 EBERHARD ST	HOUSTON	TX	77019
1359210010001	SHARMA ABHINAV & SURUCHI	307 W POLK ST	HOUSTON	TX	77019	307 W POLK ST	HOUSTON	TX	77019
1359210010002	NSRM TRUST	305 W POLK ST	HOUSTON	TX	77019	305 W POLK ST	HOUSTON	TX	77019
1359210010003	LUNGARO GARY	1204 TAFT ST	HOUSTON	TX	77019	1204 TAFT ST	HOUSTON	TX	77019
1359210010004	PRAKASH BERNADETTE M	301 W POLK ST	HOUSTON	TX	77019	301 W POLK ST	HOUSTON	TX	77019
1359330010001	OZDOGAN UMUT & ELIZABETH PATTISON	907 PEDEN ST	HOUSTON	TX	77006	907 PEDEN ST	HOUSTON	TX	77006
1359330010002	RIVLIN MICHAEL	905 PEDEN ST	HOUSTON	TX	77006	905 PEDEN ST	HOUSTON	TX	77006
1359770010001	MAROM RONEN	518 W CLAY ST	HOUSTON	TX	77019	518 W CLAY ST	HOUSTON	TX	77019
1359770010002	HUZAR TODD F	516 W CLAY ST	HOUSTON	TX	77019	516 W CLAY ST	HOUSTON	TX	77019
1361910010001	MELCHER RACHEL	616 W POLK AVE	HOUSTON	TX	77019	616 W POLK AVE	HOUSTON	TX	77019
1361910010002	CHUPIK MARK A	1111 STANFORD ST	HOUSTON	TX	77019	1111 STANFORD ST	HOUSTON	TX	77019
1362150010001	WEST BRIAN DANIEL & JESSIE ELLEN	413 W BELL ST	HOUSTON	TX	77019	413 W BELL ST	HOUSTON	TX	77019
1362150010002	SEMLANI CHANAKYA	411 W BELL ST	HOUSTON	TX	77019	411 W BELL ST	HOUSTON	TX	77019
1362540010001	DAGGETT SUN & MARK	1303 CROCKER ST	HOUSTON	TX	77019	1303 CROCKER ST	HOUSTON	TX	77019
1362540010002	ASTANI ENAYAT & SHADIA	711 W CLAY ST	HOUSTON	TX	77019	711 W CLAY ST	HOUSTON	TX	77019
1362540010003	GARCIA ANDRES	11230 BANDLON DR	HOUSTON	TX	77072-1910	707 W CLAY ST	HOUSTON	TX	77019
1362540010004	HAIEK ALEJANDRO A	1302 STANFORD ST	HOUSTON	TX	77019	1302 STANFORD ST	HOUSTON	TX	77019
1362750010001	YUNUS HABIB	303 PEDEN ST	HOUSTON	TX	77006	303 PEDEN ST	HOUSTON	TX	77006
1362750010002	GARCIA HERNANDO	1804 TAFT ST	HOUSTON	TX	77006	1804 TAFT ST	HOUSTON	TX	77006
1362750010003	SAXTON ALEXANDER JAMES	1808 TAFT ST	HOUSTON	TX	77006	1808 TAFT ST	HOUSTON	TX	77006
1363080010001	STRYKER GINA T	1239 W BELL ST	HOUSTON	TX	77019	1239 W BELL ST	HOUSTON	TX	77019
1363080010002	PEREIRA RENATO & SUSAN	1237 W BELL ST	HOUSTON	TX	77019	1237 W BELL ST	HOUSTON	TX	77019
1364280010001	MULHOLLAND LISA M	405 W PIERCE ST	HOUSTON	TX	77019	405 W PIERCE ST	HOUSTON	TX	77019
1364280010002	SIDDIQI RIAZ & SALMA	369 PINEY POINT RD	HOUSTON	TX	77024-6526	403 W PIERCE ST	HOUSTON	TX	77019
1365420010001	FUSILLO ROBERT & MARY	308 W SAULNIER ST	HOUSTON	TX	77019	308 W SAULNIER ST	HOUSTON	TX	77019
1365420010002	KHALIFA ALI B	306 W SAULNIER ST	HOUSTON	TX	77019	306 W SAULNIER ST	HOUSTON	TX	77019
1366840010001	THOMAS CRAIG R	1618 RUTHVEN ST	HOUSTON	TX	77019	1618 RUTHVEN ST	HOUSTON	TX	77019
1366840010002	SAVIO EDWIN M	1616 RUTHVEN ST	HOUSTON	TX	77019	1616 RUTHVEN ST	HOUSTON	TX	77019
1367570010001	DECHAMBRES MARQ Q & MARY	4427 FARMDALE AVE	NORTH HOLLY	CA	91602-2001	0 W SAULNIER ST	HOUSTON	TX	77019
1367570010002	DECHAMBRES MARQ Q & MARY	4427 FARMDALE AVE	NORTH HOLLY	CA	91602-2001	0 W SAULNIER ST	HOUSTON	TX	77019
1368870010001	SMITH SARAH J	311 W PIERCE ST	HOUSTON	TX	77019	311 W PIERCE ST	HOUSTON	TX	77019
1368870010002	KABAD ATMA & MONICA	309 W PIERCE ST	HOUSTON	TX	77019	309 W PIERCE ST	HOUSTON	TX	77019
1368900010001	HOUSTON ENDOWMENT INC	600 TRAVIS STE 6400	HOUSTON	TX	77002-3003	3683 WILLIA ST	HOUSTON	TX	77007

1369630010001	HEIDARI AMIR HOMAYOUN & GOLNAR GRACE	14202 TEAL COVE LN	HOUSTON	TX	77077-3552	509 PEDEN ST	HOUSTON	TX	77006
1369630010002	BHUTANI RAVAT	507 PEDEN ST	HOUSTON	TX	77006	507 PEDEN ST	HOUSTON	TX	77006
1369790010001	DYEN FREDERIC	1303 EBERHARD ST	HOUSTON	TX	77019	1303 EBERHARD ST	HOUSTON	TX	77019
1369790010002	DEL JUNCO ANDREW	1305 EBERHARD ST	HOUSTON	TX	77019	1305 EBERHARD ST	HOUSTON	TX	77019
1369790010003	XU YANG	1307 EBERHARD ST	HOUSTON	TX	77019	1307 EBERHARD ST	HOUSTON	TX	77019
1369790010004	KIPP PETER	1215 W CLAY ST	HOUSTON	TX	77019	1215 W CLAY ST	HOUSTON	TX	77019
1371460010001	MILES THOMAS	611 W PIERCE ST	HOUSTON	TX	77019	611 W PIERCE ST	HOUSTON	TX	77019
1371460010002	SANGHAVI NEHAL	12338 MAILY MEADOWLANE	SUGAR LAND	TX	77478-6170	609 W PIERCE ST	HOUSTON	TX	77019
1371500010001	HOUSTON ISD	4400 W 18TH ST	HOUSTON	TX	77092-8501	900 W GRAY ST	HOUSTON	TX	77019
1372330010001	DEMAGALHAES PEDRO O	503 BOMAR ST	HOUSTON	TX	77006	503 BOMAR ST	HOUSTON	TX	77006
1372330010002	VAUGHN BARBARA E	505 BOMAR ST	HOUSTON	TX	77006	505 BOMAR ST	HOUSTON	TX	77006
1372330010003	UNDERWOOD REECE B	180 W GRAY ST APT 1110	HOUSTON	TX	77019-5581	507 BOMAR ST	HOUSTON	TX	77006
1372340020001	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST #C	HOUSTON	TX	77006	1249 PEDEN ST	HOUSTON	TX	77006
1372340020002	1429 PEDEN HOLDINGS LLC	1249 PEDEN ST	HOUSTON	TX	77006-1130	1249 PEDEN ST #B	HOUSTON	TX	77006
1372340020003	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST #A	HOUSTON	TX	77006	1249 PEDEN ST	HOUSTON	TX	77006
1372340020004	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST	HOUSTON	TX	77006	1247 PEDEN ST #D	HOUSTON	TX	77006
1372340020005	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST	HOUSTON	TX	77006	1247 PEDEN ST #C	HOUSTON	TX	77006
1372340020006	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST	HOUSTON	TX	77006	1247 PEDEN ST #B	HOUSTON	TX	77006
1372340020007	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST	HOUSTON	TX	77006	1247 PEDEN ST #A	HOUSTON	TX	77006
1372340020008	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST	HOUSTON	TX	77006-1130	0 PEDEN ST	HOUSTON	TX	77006
1372340020009	1249 PEDEN HOLDINGS LLC	1249 PEDEN ST	HOUSTON	TX	77006	0 PEDEN ST	HOUSTON	TX	77006
1372830010001	VINCENT RICHARD F	207 CHIMNEY ROCK RD	HOUSTON	TX	77024-5618	1402 EBERHARD ST	HOUSTON	TX	77019
1372830010002	1408 EBERHARD LLC	3139 W HOLCOMB BLVD UNIT 200	HOUSTON	TX	77025-1533	1404 EBERHARD ST	HOUSTON	TX	77019
1372830010003	PETTE COURTNEY	1406 EBERHARD ST	HOUSTON	TX	77019	1406 EBERHARD ST	HOUSTON	TX	77019
1373240010002	BOUDREAUX MICHELLE	1911 STANFORD ST	HOUSTON	TX	77006	1911 STANFORD ST	HOUSTON	TX	77006
1373240010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 EXEMPT ST	HOUSTON	TX	77006
1374930010001	YATES LAWRENCE	924 DAMON CT	HOUSTON	TX	77006	924 DAMON CT	HOUSTON	TX	77006
1374930010002	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 EXEMPT	HOUSTON	TX	77006
1376910010001	KENNEDY BENJAMIN & LAURA	1309 CROCKER ST	HOUSTON	TX	77019	1309 CROCKER ST	HOUSTON	TX	77019
1376910010002	MEDINA XIONG & DAVID	1311 CROCKER ST	HOUSTON	TX	77019-4318	0 CROCKER ST	HOUSTON	TX	77019
1379310010001	SEIDEL KEVIN M	1301 PEDEN ST	HOUSTON	TX	77006	1301 PEDEN ST	HOUSTON	TX	77006
1379310010002	YOUNGBLOOD STEVEN	4651 DEVON ST	HOUSTON	TX	77027-6223	1303 PEDEN ST	HOUSTON	TX	77006
1379570010001	VASTINE BEAU JOSEPH	312 W SAULNIER ST	HOUSTON	TX	77019	312 W SAULNIER ST	HOUSTON	TX	77019
1379570010002	JOHNSEN THOR MIKAL & RUATI	310 W SAULNIER ST	HOUSTON	TX	77019	310 W SAULNIER ST	HOUSTON	TX	77019

1380120010001	PANJWANI SAMIR	1323 W CLAY ST	HOUSTON	TX	77019	1323 W CLAY ST	HOUSTON	TX	77019
1380120010002	SNOW ANTONIO JOAO HALL THEMIDO	1321 W CLAY ST	HOUSTON	TX	77019	1321 W CLAY ST	HOUSTON	TX	77019
1380120010003	QUINTERO EDUARDO E	1319 W CLAY ST	HOUSTON	TX	77019	1319 W CLAY ST	HOUSTON	TX	77019
1380120010004	WATSON JENNAFER BROOKE	1317 W CLAY ST	HOUSTON	TX	77019	1317 W CLAY ST	HOUSTON	TX	77019
1380140010001	HUEY REGAN & RYAN	602 W PIERCE ST	HOUSTON	TX	77019	602 W PIERCE ST	HOUSTON	TX	77019
1380140010002	TOPIWALA MOHAMMED & MADRASWALA FAT	604 W PIERCE ST	HOUSTON	TX	77019	604 W PIERCE ST	HOUSTON	TX	77019
1380150010001	CURRENT OWNER	509 W POLK ST	HOUSTON	TX	77019	509 W POLK ST	HOUSTON	TX	77019
1380150010002	GERBEL ELIZABETH ANN	507 W POLK ST	HOUSTON	TX	77019	507 W POLK ST	HOUSTON	TX	77019
1380580010001	DILLARD FRANK J & NANNETTE	1302 WAUGH DR # 269	HOUSTON	TX	77019-3908	1107 ROSINE ST	HOUSTON	TX	77019
1380580010002	FRANCIS DAVID M	1109 ROSINE ST	HOUSTON	TX	77019	1109 ROSINE ST	HOUSTON	TX	77019
1380580010003	BOND MASON D	1111 ROSINE ST	HOUSTON	TX	77019-3818	1111 ROSINE ST	HOUSTON	TX	77019
1380580010004	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 ROSINE ST	HOUSTON	TX	77019
1380640010001	HOANG CYNTHIA	4023 ELM CREST TRL	HOUSTON	TX	77059-3281	0 STANFORD ST	HOUSTON	TX	77019
1380640010002	HOANG JEANNIE M	13222 GOLDEN FIELD DR	HOUSTON	TX	77059-2826	1217 STANFORD ST	HOUSTON	TX	77019
1380640010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 W CLAY ST	HOUSTON	TX	77019
1381200010001	KOENCK TREVOR P	607 W POLK ST # A	HOUSTON	TX	77019-8409	607 W POLK ST # A	HOUSTON	TX	77019
1381200010002	SEIRAFIPOUR NADER	607 W POLK ST # B	HOUSTON	TX	77019-8409	607 W POLK ST # B	HOUSTON	TX	77019
1381200010003	WANG MEGAN T	607 W POLK ST # C	HOUSTON	TX	77019-8409	607 W POLK ST # C	HOUSTON	TX	77019
1381230010001	RAMNARINE CHANDKUMAR	1312 W PIERCE ST	HOUSTON	TX	77019	1312 W PIERCE ST	HOUSTON	TX	77019
1381230010002	DENMAN CAITKIN	1310 W PIERCE ST	HOUSTON	TX	77019	1310 W PIERCE ST	HOUSTON	TX	77019
1381900010001	KRAMPE JENNIFER & MATTHIAS	917 PEDEN ST	HOUSTON	TX	77006	917 PEDEN ST	HOUSTON	TX	77006
1381900010002	NASCIMBENE ANGELO	919 PEDEN ST	HOUSTON	TX	77006	919 PEDEN ST	HOUSTON	TX	77006
1381910010001	ARGENTO TONY	514 W CLAY ST	HOUSTON	TX	77019-4409	514 W CLAY ST	HOUSTON	TX	77019
1381910010002	WALKER CHARLES	512 W CLAY ST	HOUSTON	TX	77019	512 W CLAY ST	HOUSTON	TX	77019
1381910010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 CLAY ST	HOUSTON	TX	77019
1382770010001	3210 W CLARK CROSSWELL HOLDINGS LLC	440 LOUISIANA ST STE 1600	HOUSTON	TX	77002-1060	3210 W DALLAS ST	HOUSTON	TX	77019
1383300010001	RIBAS ROCA JOSE A	503 W SAULNIER ST	HOUSTON	TX	77019	503 W SAULNIER ST	HOUSTON	TX	77019
1383300010002	DAVIES JOHN P & CINDI A	501 W SAULNIER ST	HOUSTON	TX	77019	501 W SAULNIER ST	HOUSTON	TX	77019
1383650010001	CURRENT OWNER	1415 HAZEL ST	HOUSTON	TX	77019	1415 HAZEL ST	HOUSTON	TX	77019
1383650010002	WOLFF TARA L & ANDREW K	1417 HAZEL ST	HOUSTON	TX	77019	1417 HAZEL ST	HOUSTON	TX	77019
1383650010003	GRANBERRY ZACHARY T & MELISSA R	1244 W PIERCE ST	HOUSTON	TX	77019	1244 W PIERCE ST	HOUSTON	TX	77019
1384200010001	NAVARRO FERNANDO A & CHRISTINA C	1904 WHITNEY ST # A	HOUSTON	TX	77006	1904 WHITNEY ST # A	HOUSTON	TX	77006
1384210010001	RAHMAN RAKERRY	1211 MARCONI ST	HOUSTON	TX	77019	1211 MARCONI ST	HOUSTON	TX	77019
1384210010002	BUNTING TIMOTHY & KAREN	1213 MARCONI ST	HOUSTON	TX	77019-4209	1213 MARCONI ST	HOUSTON	TX	77019

1385090010001	SILKWOOD LESLIE L	1015 PEDEN ST # A	HOUSTON	TX	77006	1015 PEDEN ST # A	HOUSTON	TX	77006
1385090010002	GUITE JOHN & JOCELYN	1015 PEDEN ST # B	HOUSTON	TX	77006	1015 PEDEN ST # B	HOUSTON	TX	77006
1385100010001	BLICKLEY CRYSTAL J	1305 CROCKER ST	HOUSTON	TX	77019-4318	1305 CROCKER ST	HOUSTON	TX	77019
1385100010002	GALLEGOS MAURICIO A	1307 CROCKER ST	HOUSTON	TX	77019	1307 CROCKER ST	HOUSTON	TX	77019
1385600010001	NGUYEN QUAN BAO	1413 CROCKER ST	HOUSTON	TX	77019	1413 CROCKER ST	HOUSTON	TX	77019
1385600010002	ROWE ANDREW W	1415 CROCKER ST	HOUSTON	TX	77019	1415 CROCKER ST	HOUSTON	TX	77019
1387160010001	ETA GROUP INVESTMENTS LLC	820 RICHMOND AVE	HOUSTON	TX	77006-5514	311 W GRAY ST	HOUSTON	TX	77019
1388810010001	CURRENT OWNER	127 S CURLY WILLOW CIR	TOMBALL	TX	77375-1481	516 PEDEN ST	HOUSTON	TX	77006
1388810010002	DEMIRDOVEN DAVID	518 PEDEN ST	HOUSTON	TX	77006	518 PEDEN ST	HOUSTON	TX	77006
1389940010001	DINH JEFFREY & CHRISTINE NGUYEN	1402 CROCKER ST	HOUSTON	TX	77019	1402 CROCKER ST	HOUSTON	TX	77019
1389940010002	CASTILLO CLAUDIA	1404 CROCKER ST	HOUSTON	TX	77019	1404 CROCKER ST	HOUSTON	TX	77019
1391080010001	BARRON THOMAS & KAYLA	1245 PEDEN ST	HOUSTON	TX	77006-1130	1245 PEDEN ST	HOUSTON	TX	77006
1391080010002	ZILIAK ZEKE	1243 PEDEN ST	HOUSTON	TX	77006	1243 PEDEN ST	HOUSTON	TX	77006
1391300010001	ECONOMIDES ALEXANDER MARKOS	611 W SAULNIER ST	HOUSTON	TX	77019	611 W SAULNIER ST	HOUSTON	TX	77019
1391300010002	THAIUBOON PAT	609 W SAULNIER ST	HOUSTON	TX	77019	609 W SAULNIER ST	HOUSTON	TX	77019
1391700010001	BOWDEN BRIAN J & RUTH	404 W PIERCE ST	HOUSTON	TX	77019-8417	404 W PIERCE ST	HOUSTON	TX	77019
1391700010002	ALLENSON KELVIN C	402 W PIERCE ST	HOUSTON	TX	77019	402 W PIERCE ST	HOUSTON	TX	77019
1394190010001	SIGNATURE COLLECTION INC	4215 WASHINGTON AVE	HOUSTON	TX	77007-5637	612 W BELL ST	HOUSTON	TX	77019
1394190010002	MOSHER ANDREW G & ANNY B	610 W BELL ST	HOUSTON	TX	77019	610 W BELL ST	HOUSTON	TX	77019
1394210010001	TAYLOR MARK	1142 W PIERCE ST	HOUSTON	TX	77019	1142 W PIERCE ST	HOUSTON	TX	77019
1394210010002	VIRGINILLO JAMES	1140 W PIERCE ST	HOUSTON	TX	77019	1140 W PIERCE ST	HOUSTON	TX	77019
1394450010001	DIDIERJEAN NICOLAS	1208 PEDEN ST	HOUSTON	TX	77006	1208 PEDEN ST	HOUSTON	TX	77006
1394450010002	MATTHEWS CATHERINE	1206 PEDEN ST	HOUSTON	TX	77006	1206 PEDEN ST	HOUSTON	TX	77006
1396440010001	VEKILOV PETER G	1206 LA RUE ST	HOUSTON	TX	77019	1206 LA RUE ST	HOUSTON	TX	77019
1396440010002	CRAMOND NEIL MALCOLM	1204 LA RUE ST	HOUSTON	TX	77019	1204 LA RUE ST	HOUSTON	TX	77019
1396930010001	CURRENT OWNER	1221 W CLAY ST	HOUSTON	TX	77019	1221 W CLAY ST	HOUSTON	TX	77019
1396930010002	SMITH MICHAEL R	1221 W CLAY ST # A	HOUSTON	TX	77019	1221 W CLAY ST # A	HOUSTON	TX	77019
1397250010001	ZLOBIN SERGIO	1808 STANFORD ST	HOUSTON	TX	77006	1808 STANFORD ST	HOUSTON	TX	77006
1397250010002	POWELL THOMAS & MEGAN	1810 STANFORD ST	HOUSTON	TX	77006	1810 STANFORD ST	HOUSTON	TX	77006
1397250010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 STANFORD ST	HOUSTON	TX	77006
1397540010001	STAGES	800 ROSINE ST	HOUSTON	TX	77019	800 ROSINE ST	HOUSTON	TX	77019
1398180010001	SIAHATGAR KANCHAN	805 W CLAY ST	HOUSTON	TX	77019	805 W CLAY ST	HOUSTON	TX	77019
1398180010002	HASKINS ANGELA	807 W CLAY ST	HOUSTON	TX	77019	807 W CLAY ST	HOUSTON	TX	77019
1398180010003	KNECHT KRISTEN MARIE	1302 CROCKER ST	HOUSTON	TX	77019	1302 CROCKER ST	HOUSTON	TX	77019

1399350010001	HEBING CHRISTOPHER D	603 SANDMAN ST	HOUSTON	TX	77007-5344	909 WILLARD ST	HOUSTON	TX	77006
1399350010002	HEBING CHRISTOPHER D	603 SANDMAN ST	HOUSTON	TX	77007-5344	0 WILLARD ST	HOUSTON	TX	77006
1399350010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WILLARD ST	HOUSTON	TX	77006
1400450010001	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	503 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010002	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010003	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010004	CURRENT OWNER	509 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	509 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010005	AMANULLAH MOHAMMAD & ROXANA	4431 STERLING WOOD WAY	HOUSTON	TX	77059-3151	511 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010006	DELGADO CHRISTAL	513 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	513 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010007	HINOJOSA ROLAUND	PO BOX 131056	HOUSTON	TX	77219-1056	515 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010008	GAVIOLA LORD A	517 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	517 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010009	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	519 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010010	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	521 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010011	MONTAGUE GABRIEL ALEXANDER	523 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	523 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010012	SOLIS ADRIANA E	525 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	525 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010013	KAKANI SUMANA & ETAL	1205 E JACKSON BLVD	HOUSTON	TX	77006-1377	527 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010014	BUTT FATIR	529 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	529 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010015	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	531 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010016	JASANI SALMAN	8309 CHIMNEY ROCK CT	PORT ARTHUF	TX	77642-7314	633 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010017	JASANI SHENIL	2311 AVE N	NEDERLAND	TX	77627-6266	535 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010018	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	603 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010019	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	605 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010020	Z HOME BUILDERS INC	17502 REDLEAF HOLLOW LN	HOUSTON	TX	77095-5169	607 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010021	GAUDIN JEFFERY JR	1644 OAK WILLOW DR	SAN ANTONIC	TX	78245-4052	609 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010022	Z HOME BUILDERS INC	17502 REDLEAF HOLLOW LN	HOUSTON	TX	77095-5169	611 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010023	Z HOME BUILDERS INC	17502 REDLEAF HOLLOW LN	HOUSTON	TX	77095-5169	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010024	MUNOZ JONATHAN	1707 POST OAK BLVD 520	HOUSTON	TX	77056-3801	615 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010025	SALAZAR FRANCISCO J	901 VIRGINIA ST # 2	SOUTH HOUS	TX	77587-3965	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010026	GAITANAROS THEOPHANES	4 ST CHRISTOPHER CT	SUGAR LAND	TX	77479-4204	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010027	CHERIAN THOMAS	707 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007-6487	707 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010028	HENRY ASHLEY J & DUNBAR C II	709 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007-6487	709 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010029	MOY LILLIAN	711 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007-6487	711 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010030	ALI-BHAYAT MOHAMMED	711 IVY WALL COURT	HOUSTON	TX	77079-2536	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010031	SHARRAR SCOTT & HIEN LE	1806 HARDY STREET	HOUSTON	TX	77026-7116	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007

1400450010032	RUIZAPARICIO ARTURO	803 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	803 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010033	DOST SHOAIB	805 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	805 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010034	NGUYEN KHOA	807 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007-7060	807 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010035	WILLIAMS DENNIS	8829 CROES ST	HOUSTON	TX	77055-4736	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010036	WILLIAMS DENNIS	8829 CROES ST	HOUSTON	TX	77055-4736	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010037	BUTERBAUGH BRUCE & JACQUALYN T	813 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007-7060	813 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010038	LEWIS JARRETTEROSHAD CHRISTOPHER	815 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007	815 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1400450010039	LAMAR BUILDERS LLC	217 W 25TH ST	HOUSTON	TX	77008-2501	0 MEMORIAL HEIGHTS DR	HOUSTON	TX	77007
1401410010001	FORSYTH ROBERT EDWARD	422 W BELL ST	HOUSTON	TX	77019	422 W BELL ST	HOUSTON	TX	77019
1401410010002	BHAI KARIM A	420 W BELL ST	HOUSTON	TX	77019-4435	420 W BELL ST	HOUSTON	TX	77019
1401430010001	1320 MONTROSE HOUSTON LLC	5214 68TH ST STE 201	LUBBOCK	TX	79424-1523	1320 MONTROSE BLVD # 224	HOUSTON	TX	77019
1401830010001	AUSTRIAN COURTNEY E	513 W BELL ST	HOUSTON	TX	77019	513 W BELL ST	HOUSTON	TX	77019
1401830010002	LEA JENNIFER	511 W BELL ST	HOUSTON	TX	77019	511 W BELL ST	HOUSTON	TX	77019
1401960010001	DRAKE VENTURES LLC	PO BOX 130913	HOUSTON	TX	77219-0913	601 BOMAR ST	HOUSTON	TX	77006
1401960010002	DRAKE VENTURES LLC	PO BOX 130913	HOUSTON	TX	77219-0913	0 HOPKINS ST	HOUSTON	TX	77006
1401960010003	DRAKE VENTURES LLC	PO BOX 130913	HOUSTON	TX	77219-0913	0 HOPKINS ST	HOUSTON	TX	77006
1401960010004	DRAKE VENTURES LLC	PO BOX 130913	HOUSTON	TX	77219-0913	0 HOPKINS ST	HOUSTON	TX	77006
1401960010005	DRAKE VENTURES LLC	PO BOX 130913	HOUSTON	TX	77219-0913	0 HOPKINS ST	HOUSTON	TX	77006
1401960010006	DRAKE VENTURES LLC	PO BOX 130913	HOUSTON	TX	77219-0913	0 HOPKINS ST	HOUSTON	TX	77006
1402100010001	PELLEGRINO JAE MOON & ANDREW MICHAEL	808 WILLARD ST	HOUSTON	TX	77006	808 WILLARD ST	HOUSTON	TX	77006
1402100010002	WILLIAMSON ELAINE & JOHN R	806 WILLARD ST	HOUSTON	TX	77006	806 WILLARD ST	HOUSTON	TX	77006
1402100010003	CITY OF HOUSTON	PO BOX 1562	HOUSTON	TX	77251-1562	0 WILLARD ST	HOUSTON	TX	77006
1402870010001	1110 W GRAY LLC	2429 BISSONET ST #615	HOUSTON	TX	77005-1451	1110 W GRAY ST	HOUSTON	TX	77019
1403140010001	MORGAN HOUSTON & SHELBY J	518 W SAULNIER ST	HOUSTON	TX	77019	518 W SAULNIER ST	HOUSTON	TX	77019
1403140010002	NGUYEN JIM	520 W SAULNIER ST	HOUSTON	TX	77019	520 W SAULNIER ST	HOUSTON	TX	77019
1403510010001	JJA INVEST GROUP LLC SERIES 1135 W CLAY	7789 SOUTHWEST FWY STE 530	HOUSTON	TX	77074-1834	1135 W CLAY ST	HOUSTON	TX	77019
1404560010001	VAZIRIZADEH AZIN	1612 RUTHVEN ST # A	HOUSTON	TX	77019	1612 RUTHVEN ST # A	HOUSTON	TX	77019
1404560010002	TABEL SAMER	1612 RUTHVEN ST UNIT B	HOUSTON	TX	77019-5034	1416 B RUTHVEN ST	HOUSTON	TX	77019
1404760010001	CURRENT OWNER	1125 W PIERCE ST	HOUSTON	TX	77019	1125 W PIERCE ST	HOUSTON	TX	77019
1404760010002	SKIPPER MICHAEL T & SHEILA H	1123 W PIERCE ST	HOUSTON	TX	77019	1123 W PIERCE ST	HOUSTON	TX	77019
1408760010001	STREET ALEXIS & THOMAS	510 PEDEN ST	HOUSTON	TX	77006	510 PEDEN ST	HOUSTON	TX	77006
1408760010002	AIYEJORUN AYODEJI O	508 PEDEN ST	HOUSTON	TX	77006-1422	508 PEDEN ST	HOUSTON	TX	77006
1409720010001	FLEURY SIMON G	715 W GRAY ST	HOUSTON	TX	77019-4875	716 PEDEN ST	HOUSTON	TX	77006
1409720010002	FLEURY SIMON G	715 W GRAY ST	HOUSTON	TX	77019-4875	714 PEDEN ST	HOUSTON	TX	77006

1411870010001	BEYENE JONAS A	1315 W BELL ST	HOUSTON	TX	77019	1315 W BELL ST	HOUSTON	TX	77019
1411870010002	BERG GEOFFREY	1311 W BELL ST	HOUSTON	TX	77019-4022	1311 W BELL ST	HOUSTON	TX	77019
1413520010001	RILEY JAKE EUGENE	1011 CROCKER ST	HOUSTON	TX	77019	1011 CROCKER ST	HOUSTON	TX	77019
1413520010002	TAMBOURAYALOU ALEXANDRE J	1011 CROCKER ST # A	HOUSTON	TX	77019	1011 CROCKER ST # A	HOUSTON	TX	77019
1413560010001	SB WEST GRAY LLC	2101 PINE VALLEY DR	HOUSTON	TX	77019-3507	0 W GRAY ST	HOUSTON	TX	77019
1414470010001	RASHIDIAN EIMAN	412 W BELL ST	HOUSTON	TX	77019	412 W BELL ST	HOUSTON	TX	77019
1414470010002	GRUBE JENNIFER & TODD	410 W BELL ST	HOUSTON	TX	77019	410 W BELL ST	HOUSTON	TX	77019
1414690010001	JANOWSKI TIMOTHY	1017 PEDEN ST	HOUSTON	TX	77006	1017 PEDEN ST	HOUSTON	TX	77006
1414690010002	KHAN NABIL N & JENNIFER L	1019 PEDEN ST	HOUSTON	TX	77006	1019 PEDEN ST	HOUSTON	TX	77006
1414700010001	DEMPSEY CHRISTOPHER J	610 WILLARD ST	HOUSTON	TX	77006	610 WILLARD ST	HOUSTON	TX	77006
1414700010002	CURRENT OWNER	608 WILLARD ST	HOUSTON	TX	77006	608 WILLARD ST	HOUSTON	TX	77006
1415180010001	CAMACHO DIEGO M	520 PEDEN ST	HOUSTON	TX	77006	520 PEDEN ST	HOUSTON	TX	77006
1415180010002	LONG ALAN EVERETT	522 PEDEN ST	HOUSTON	TX	77006	522 PEDEN ST	HOUSTON	TX	77006
1416420010001	PARULEKAR AMIT D	514 PEDEN ST	HOUSTON	TX	77006	514 PEDEN ST	HOUSTON	TX	77006
1416420010002	SIMMONS JAMES L	512 PEDEN ST	HOUSTON	TX	77006	512 PEDEN ST	HOUSTON	TX	77006
1419670010001	GUPTA ANISHA	1145 W BELL ST	HOUSTON	TX	77019	1145 W BELL ST	HOUSTON	TX	77019
1419670010002	ALLRED STEPHEN	1141 WEST BELL ST	HOUSTON	TX	77019-4101	0 W BELL ST	HOUSTON	TX	77019
1442300010002	OLIVIO GROUP LLC	500 LOVETT BLVD STE 200	Houston	TX	77006-4067	1116 PEDEN ST	HOUSTON	TX	77006
1442520010001	MCREF III WAUGH APARTMENTS LLC	500 EAST BROWARD BLVD STE 1130	FORT LAUDER	FL	33394-3022	716 WAUGH DR	HOUSTON	TX	77019
1445670010002	GHANDOUR ALI B	777 PRESTON ST #31J	Houston	TX	77002-1779	514 W SAULNIER ST	HOUSTON	TX	77019
1500580010001	OFORDEME KENECHUKWU	923 PEDEN ST	HOUSTON	TX	77006	923 PEDEN ST	HOUSTON	TX	77006
1500580010002	THEKKEKARA JUSTIN	921 PEDEN ST	HOUSTON	TX	77006	921 PEDEN ST	HOUSTON	TX	77006
1500920010001	CAVAZOS ROBERTO H JR	1240 W BELL ST	HOUSTON	TX	77019	1240 W BELL ST	HOUSTON	TX	77019
1500920010002	GEIGER DOUG	1238 W BELL ST	HOUSTON	TX	77019	1238 W BELL ST	HOUSTON	TX	77019
1500930010001	WALTER COLLIN FREDERICK	422 W PIERCE ST	HOUSTON	TX	77019	422 W PIERCE ST	HOUSTON	TX	77019
1500930010002	REZIGH ALEC & JACEY	420 W PIERCE ST	HOUSTON	TX	77019-8417	420 W PIERCE ST	HOUSTON	TX	77019
1501060010001	VELOCIS ARLO SPE LP	300 CRESCENT CT STE 850	DALLAS	TX	75201-6931	225 S HEIGHTS BLVD # 318	HOUSTON	TX	77007
1501870010001	SALDANA RAMON	2107 MATAGORDA LN	FRIENDSWOO	TX	77546-7898	909 RHODE PL # A	HOUSTON	TX	77019
1501870010002	PEREZHERNANDEZ ADRIANA	909 B RHODE PLACE	HOUSTON	TX	77019	909 RHODE PL # B	HOUSTON	TX	77019
1502100010001	PERLITZ EVAN J	1243 W PIERCE ST B	HOUSTON	TX	77019	1243 W PIERCE ST # B	HOUSTON	TX	77019
1502100010002	LIU AILI	1243 W PIERCE ST UNIT A	HOUSTON	TX	77019	1243 W PIERCE ST UNIT A	HOUSTON	TX	77019
1502360010001	SISO CARLOS DANIEL & ELIZABETH KUNCEWICZ	315 W PIERCE ST UNIT B	HOUSTON	TX	77019	315 W PIERCE ST UNIT B	HOUSTON	TX	77019
1502360010002	NIZAMIDIN NABIJAN	315 W PIERCE ST # A	HOUSTON	TX	77019	315 W PIERCE ST # A	HOUSTON	TX	77019
1503040010001	BRAHMBHATT SEJAL K	1233 W BELL ST	HOUSTON	TX	77019-4186	1233 W BELL ST	HOUSTON	TX	77019

1503040010002	DURHAM JOSHUA L	1231 W BELL ST	HOUSTON	TX	77019	1231 W BELL ST	HOUSTON	TX	77019

Appendix U

Form U-2012-01 signed and sealed by a licensed professional engineer or licensed professional geoscientist authorized to practice in the State of Texas with expertise in environmental remediation. (Form U-2012-01 can be found at www.houstonmsd.org under the "Forms" section on the homepage.)

Signing and sealing Form U-2012-01 certifies:

a. **The contaminants of concern from sources on the designated property or migrating from or through the designated property more likely than not [do exceed] OR [do not exceed] a non-ingestion protective concentration level on property beyond the boundaries of the designated property. (select the appropriate statement)**

b. **All requirements of Section 47-762 of the Houston Code of Ordinances have been met, including demonstration that the groundwater contamination plume has been fully delineated and is stable or contracting in size."**

Form U-2012-01 signed and sealed by a licensed professional engineer or licensed professional geoscientist authorized to practice in the State of Texas with expertise in environmental remediation is provided.

Form U-2012-01

Appendix U – Completeness of Information and On-Site and Off-Site Impact(s)

To the best of my knowledge and belief, based upon a review of all public and private records and other information sources available to me in the exercise of due diligence, the opinions stated and conclusions made in this application are supported by such information, and the technical and scientific information submitted with the application is true, accurate and complete. Based on such review, the contaminants of concern from sources on the designated property or migrating from or through the designated property more likely than not [do exceed] OR [do not exceed] a non-ingestion protective concentration level on property beyond the boundaries of the designated property. Further, I certify that all requirements of Section 47-762 of the Houston Code of Ordinances have been met, including demonstration that the groundwater contamination plume has been fully delineated and is stable or contracting in size.

Ronald J. Arceneaux

_____
(Name)

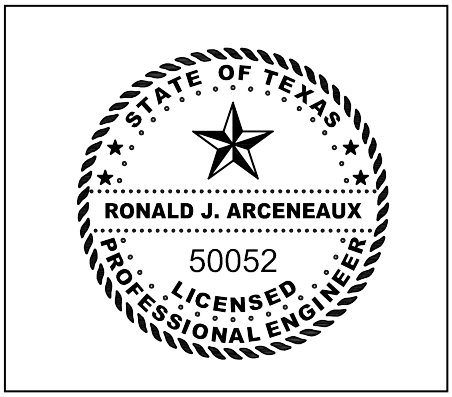
Principal Engineer

_____
(Title)

Wild Associates

_____
(Firm)

Signature:_____ Date: 10/27/2022



Professional Seal

Appendix V

If the licensed professional engineer or licensed professional geoscientist determines that contaminants of concern from sources on the designated property are migrating from or through the designated property more likely than not do exceed a non-ingestion protective concentration level on property beyond the boundary of the designated property, then the applicant must:

a. Specify the name and address of the owner of each property.

b. Send a copy of the application to the owner of the property with the notice of the public meeting.

c. Provide documentation that the designated property has been included in a state or federal program that requires that the entire non-ingestion protective concentration level exceedance zone be addressed to the satisfaction of the agency administering the program, along with documentation of the estimated time period in which it is to be addressed. An example of such a program is the Texas Voluntary Cleanup Program (section 361.501 of the Texas Health and Safety Code, as may be amended from time to time).

d. Provide documentation upon completion of the state or federal program showing that the non-ingestion protective concentration level exceedances have been addressed to the satisfaction of the agency administering the program.

All COC concentrations, except arsenic, fall well below their TRRP Tier 1 Residential $^{AIR}GW_{INH-V}$ PCL (non-ingestion PCL) of 220 mg/L for 1,1-dichloroethene, 160 mg/L for cis-1,2-dichloroethene, 64 mg/L for tetrachloroethene, 3.1 mg/L for trichloroethene, and 0.49 mg/L for vinyl chloride in all groundwater monitoring wells. Arsenic does not have an applicable $^{AIR}GW_{INH-V}$ PCL. However, per TCEQ July 2021 letter (Executive Summary attachment), Dr. Mike Duffin considers the arsenic levels low enough to be naturally occurring and not requiring further delineation or consideration as a COC.

Appendix W

Form W-2012-01 certified/signed by the applicant and any authorized representatives of the applicant(s) listed in the application. (Form W-2012-01 is attached to the end of this application and can also be found at www.houstonmsd.org under the "Forms" section on the homepage.)

Form W-2012-01 certified/signed by the applicant and any authorized representatives of the applicant(s) listed in the application is provided.

Form W-2012-01

Appendix W – Accuracy of Information

I certify under penalty of law that this application and all attachments were prepared under my direction or supervision in a manner designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the persons responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violation.

Abdul Javery
(Applicant's Name)

Exec. Officer
(Title)

Imara Houston (AKF-USA)
(Company)

Signature: Abdul Javery Date: 10/31/2022

State of Texas §

§

County of Harris §

Simida Ion Dykstra
My Commission Expires
3/23/2026
Notary ID
133663061

(Seal)

This instrument was acknowledged before me on this day the 31 day of October, 2022 by

Abdul Javery
(Print)

Simida Dykstra
NOTARY PUBLIC, STATE OF TEXAS

Simida Ion Dykstra
Printed/Typed Name of Notary

My commission expires: 03/23/2026

Appendix X

Form X-2012-01 signed by the property owner or authorized agent (if an authorized agent, you must provide the legal authorization instrument). (Form W-2012-01 is attached to the end of this application and can also be found at www.houstonmsd.org under the "Forms" section on the homepage.

Form X-2012-01 certified/signed by the applicant and any authorized representatives of the applicant(s) listed in the application is provided.

Form X-2012-01

Appendix X – Signed Restrictive Covenant

I certify under penalty of law that I, the undersigned, as the real property owner or authorized agent of the designated property listed herein, have the legal authority and do agree to prohibit the use of designated groundwater in support of the Municipal Setting Designation by the Texas Commission on Environmental Quality.

Abdul Javery
(Owner or Authorized Agent's Name)

Exec officer
(Title)

Imara Houston (AKF-USA)
(Company)

Signature: Abdul Javery Date: 10/31/2022

If authorized agent, provide proof of legal authorization instrument in the application under appendix x.

State of Texas §

§

County of Harris §

NOTARY PUBLIC STATE OF TEXAS
Simida Ion Dykstra
My Commission Expires
3/23/2026
Notary ID
133663061

(Seal)

This instrument was acknowledged before me on this day the 31 day of October, 2022 by

Abdul Javery
(Print)

Simida Dykstra
NOTARY PUBLIC, STATE OF TEXAS

Simida Ion Dykstra
Printed/Typed Name of Notary

My commission expires: 03/23/2026

Appendix Y

A CD (or other device) containing the pdf file of the application, Excel spreadsheet of water well owners and property owners for mailing notices, and the pdf file of the well log report.

A thumb drive containing the PDF file of the application and Excel spreadsheets of water well owners and property owners for mailing notices has been provided to the City.