



Filing Receipt

Received - 2022-03-24 07:36:35 PM
Control Number - 51407
ItemNumber - 51

PUC DOCKET NO. 51407

APPLICATION OF DOS AGUAS, LLC	§	BEFORE THE
FOR A WATER CERTIFICATE OF	§	
CONVENIENCE AND NECESSITY IN	§	PUBLIC UTILITY COMMISSION
WALKER, AND MONTGOMERY	§	
COUNTIES	§	OF TEXAS

**DOS AGUAS, LLC’S MOTION FOR REHEARING OR, IN THE ALTERNATIVE,
MOTION FOR REMAND FOR ADDITIONAL EVIDENCE**

NOW COMES Dos Aguas, LLC (the “Applicant” or “Dos Aguas”), and requests, pursuant to 16 TAC § 22.264 and Tex. Gov. Code §§ 2001.144-146, that the Public Utility Commission of Texas (“PUCT” or “Commission”) rehear and reconsider, or in the alternative, remand for additional evidence, the Commission’s Order Issued on March 15, 2022 denying Dos Aguas’ Application for a Certificate of Convenience and Necessity (“CCN”) in Walker, Montgomery, and San Jacinto counties. Under the Texas Administrative Procedure Act (“APA”) § 2001.146, this motion is timely filed.

This second motion for rehearing provides additional updates for additional requests for service and the continued build-out of the service area. In addition, Dos Aguas provides additional support to specifically address the items identified in the Commission’s order. Finally, Dos Aguas provides the Commission alternatives to denial of the CCN with respect to the service area and financial assurances in the event the Commission deems it necessary.

I. REHEARING

Dos Aguas has worked closely with Commission Staff and appreciates their assistance throughout this case. Dos Aguas has provided all information requested of it from Commission Staff. Dos Aguas provided all information required by the Commission’s CCN filing package. Dos Aguas’ application and mapping were deemed sufficient by the Commission’s Administrative Law Judge. No party opposed or contested the adequacy of Dos Aguas’s application. And the

Commission's Administrative Law Judge ("ALJ") proposed a final order approving the application.

On the day set for the Commission to hear the ALJ's proposed order approving the application, Dos Aguas was completely surprised to learn, for the first time at the open meeting, that the Commission believed more information was needed to support approval.

Dos Aguas has not had the opportunity to address the issues raised in the Commission's Order or present evidence to address concerns expressed in the Commission's order, which were never raised prior to the open meeting. Due process requires that Dos Aguas be afforded a right to a hearing and to present evidence and argument on any contested issues of law or fact. Respectfully, Dos Aguas requests that the Commission 1) reconsider its order, 2) permit Dos Aguas the opportunity to address any perceived deficiencies in its application, 3) open the administrative record and admit the attached affidavit and exhibits providing additional support for the approval of the CCN in accordance with the Texas Water Code and Commission Rules, and 4) approve the CCN.

The additional evidence includes an affidavit of Scott Rohe, the President, General Manager, and part owner of Dos Aguas, providing an update on the current status of the public water system, current requests from customers, and attesting to the technical, managerial, and financial capability of Dos Aguas and its employees. The additional evidence requested to be admitted also includes:

- Attachment 1A – TCEQ License Detail of Scott Rohe
- Attachment 1B – TCEQ License Detail of Robert Nettles
- Attachment 1C – TCEQ Conditional Approval of Dos Aguas Public Water System
- Attachment 1D – Final Submittal to TCEQ for Water Plant No. 1
- Attachment 1E – Map of Deer Forest and Republic Grand Ranch showing location of Customers Requesting Service
- Attachment 1F – Customer Requests for Service (Confidential)
- Attachment 1G – Approved plats for Deer Forest and Republic Grand Ranch sections 1-5

Attachment 1H – Preliminary plats for sections 6 and 7 submitted to Montgomery County
Attachment 1I – Owners’ Financial Statements and Projections (Confidential)
Attachment 1J – Owners’ Letters of Credit (Confidential)

A. Technical and Managerial Capability

Dos Aguas was formed by Scott Rohe and Jacob Slott to be a water utility providing superior customer service and high-quality water at affordable rates for the subdivisions of Deer Forest and Republic Grand Ranch currently under development. Dos Aguas is not affiliated with any development company. Dos Aguas has 5 dedicated contract employees and is standing ready to provide regulated water utility service to its customers. Scott Rohe and Robert Nettles, the secondary manager of Dos Aguas, are both licensed water operators with over 50 years of combined experience constructing, maintaining, and operating public water systems in the State of Texas. The public water systems constructed and operated by Scott Rohe and Robert Nettles are in good standing with the Texas Commission on Environmental Quality (“TCEQ”) and are similar in size to the proposed water system of Dos Aguas.

Dos Aguas has received conditional approval for construction of its water facilities from TCEQ,¹ invested approximately \$680,000 to date, has completed construction of Water Plant No.1, and has completed 100% of its distribution system in Sections 1-4. Sections 5 and Deer Foest are expected to be completed by May 15, 2022. The distribution system through Section 9 is expected to be completed by the end of 2022. The water system is fully functional and capable of providing

¹ As Commission Staff discussed in Response to Order No. 6, “Commission precedent supports the approval of a CCN application when an applicant has received conditional approval from the TCEQ and satisfies all other applicable requirements.” See *Application of Summit Ridge, LLC for a Water Certificate of Convenience and Necessity in Medina County*, Docket No. 47463, Application at 113-114 (Aug. 1, 2017) (conditionally approving the project hinged on six additional requirements) and Notice of Approval (June 25, 2018); *Application of the Ridge at Frio River Water Company, LLC for a Water Certificate of Convenience and Necessity in Real County*, Docket No. 43183, Request to File TCEQ Approvals at 2 (Aug. 17, 2015) (conditionally approving the project hinged on four additional requirements) and Order at Finding of Fact No. 22 (May 6, 2016); *Application of Petra Pirma Development Group, Inc. for a Water Certificate of Convenience and Necessity in Tom Green County*, Docket No. 41093, CCN Addendum-TCEQ Construction Plan Approval at 2-3 (Aug. 21, 2017) (conditionally approving the project hinged on two additional requirements) and Notice of Approval at Conclusion of Law No. 5 (June 14, 2018).

service today to customers requesting service. Dos Aguas has tested the water capacity and water quality and both are well within TCEQ operating and safety standards. Dos Aguas has submitted its first water quality report on December 17, 2021, and is currently waiting on approval, which is expected next month.

B. Need for Service and the Service Area

The customers requesting service from Dos Aguas, whose numbers are increasing monthly, have an imminent need for water service. Although all anticipated customers will not materialize in the next few years, the system is designed and is being constructed in phases in order to meet the needs of customers as they materialize in an economic and efficient method. This method of phasing construction has worked well in the prior water systems developed, constructed and managed by Scott Rohe and Robert Nettles over the past 19 years.

Dos Aguas filed its application over sixteen months ago to ensure proper certification by Commission at the time customers would be requesting service and completing construction on their homes in the Deer Forest and Republic Grand Ranch subdivisions. As the Commission is likely aware, applications for new water CCNs have typically taken ten to eighteen months for approval.² In addition, public water systems take multiple months to design, construct, and receive approval from TCEQ. Dos Aguas has specifically coordinated all necessary processes and approvals to be able to serve customers by the time they come online, which is now. This Commission has historically approved water CCNs prior to any customer coming online, and even prior to completion of a water system.³ It would not make sense, or be financially viable, to install

² See *Application of Summit Ridge, LLC for A Water Certificate of Convenience and Necessity in Medina County*, Docket No. 47463, Notice of Approval (10 months); *Application of Vineyard Ridge, LLC to Obtain a Water Certificate of Convenience and Necessity in Gillespie County*, Docket No. 46948, Order at FoF 3 (18 months).

³ See *Summit Ridge*, Docket No. 47463, Notice of Approval at Finding of Fact (“FoF”) 36 (“The requested area will be a residential development with 195 single-family homes that will need water utility service.”); *Vineyard Ridge*, Docket No. 46948, Order at FoF 3 (“Vineyard Ridge proposes a service area of approximately 660 acres in Gillespie

a complete public water system and to begin serving customers *prior* to seeking a water CCN for the authority to own and operate the system.

To date, Dos Aguas has an imminent need to provide service for 34 requests for service from customers interconnected to Dos Aguas' public water system. The Deer Forest and Republic Grand Ranch subdivisions developments are owned by Republic Grand Ranch LLC and are unaffiliated with Dos Aguas. Republic Grand Ranch has sold 606 lots to date with 38 new home applications. Deer Forest has sold 88 lots. The developments are 75% platted with streets and utilities installed to 40% of lots.

Denial of Dos Aguas's CCN application would cause undue financial hardship to Dos Aguas, the value of the development they serve, and current property owners and potential residents and customers. Denial of certification would also prevent Dos Aguas from selling water to customers and recouping the costs of its investment in the public water system and its ongoing operations and maintenance costs.

C. Financial Capability

Dos Aguas has the financial capability under the Commission's CCN rule and if needed may obtain whatever additional financial assurance the Commission may deem appropriate. The Commission's Rules, 16 TAC § 24.227(e)(6), require the Commission to consider the financial ability of the applicant to pay for the facilities necessary to provide continuous and adequate service and the financial stability of the applicant, including, if applicable, the adequacy of the applicant's debt-equity ratio.⁴

County with no current customers. Vineyard Ridge plans to develop the requested service area as a residential subdivision with 160 lots and a centralized, public water system").

⁴ 16 TAC § 24.227(e)(6).

Dos Aguas has more than sufficient financial capability to meet the requirements of the rule as it is 100% equity and contribution financed with 0% debt.⁵ The assets of Dos Aguas total \$5,778,999 in gross investment to date in the public water system's production and distribution system.⁶ Because Dos Aguas has no debt, it will have a sufficient debt coverage ratio once it is permitted to charge rates to customers as a result of this proceeding.⁷ Dos Aguas also has sufficient unrestricted cash available as a cushion for two years debt service.⁸ In addition, the owners of Dos Aguas have demonstrated that sufficient cash is available to cover any projected operation and maintenance shortages in the first five years of operations.⁹ Dos Aguas has also submitted firm capital commitments from its owners affirming funds are available to install substantial additions to the water system to serve projected customers in the first two years of projections.¹⁰

In summary, the only obstacle to Dos Aguas' financial success is that it may not charge for providing water service until the Commission approves the requested CCN. Having to start over with a new application, which could take several months to a year while providing water at no charge to customers will have a prejudicial and detrimental impact on Dos Aguas' financial ability.

In the event that the Commission finds the financial capability of an applicant lacking, the Commission may require additional financial assurances in the form of a bond, letter of credit, or other type of financial assurance. If the Commission desires additional financial assurance, Dos Aguas requests that the Commission notify Dos Aguas of the financial assurance requested and that Dos Aguas be provided the opportunity to provide the additional financial assurance.

⁵ See Attachment II (Confidential).

⁶ See Attachment I.

⁷ See 16 TAC § 24.11(e)(2)(B).

⁸ See 16 TAC § 24.11(e)(2)(C). See also Confidential Attachments II & IJ.

⁹ See 16 TAC § 24.11(e)(3). See also Confidential Attachments II & IJ.

¹⁰ See 16 TAC § 24.11(e)(5)(A)&(B). See also Confidential Attachments II & IJ.

D. Mapping

Dos Aguas application, including the submitted mapping, were deemed sufficient by the Commission's ALJ in Order No. 3, issued on January 19, 2021. In an effort to address the Commission's request for additional mapping, Dos Aguas is submitting as an attachment hereto, engineering and facilities maps submitted to TCEQ as part of its water facility certification, as well as approved platting of the subdivision, and platting submitted for approval, which approval is expected to be received in the next couple weeks.

E. Alternative to Denial

Dos Aguas interprets the Commission's concern to be with either the size of the service territory or the number of customers. However, there is no legal or technical standard to support denying the application based upon the size of the service territory or the number of customers so long as there is a need for service and the utility has the financial, technical, and managerial capability of providing the service.

As stated above, there is a need for service throughout the entire service area as it is currently being developed and each section through Section 9 is anticipated to be completed and ready for residential move in within 8 months, which is less than the typical processing period for a new CCN application. Dos Aguas has the technical, managerial, and financial ability to serve the entire area. If the Commission believes additional proof or measures are needed for the Commission's approval of the application, such as a decreased service area or additional financial assurance, then Dos Aguas requests the opportunity to provide such evidence or to take any requested measures that the Commission deems necessary for approval of the application.

Denial of the application would not serve the interests of Dos Aguas or the current and future customers requesting service. Denial of the application would only cause an additional, and

needless, delay and could potentially result in the case returning to the Commission with a similar set of facts as Dos Aguas is not quite clear as to the standards being applied or the additional evidence deemed necessary for approval of the CCN.

II. CONCLUSION AND PRAYER

Dos Aguas respectfully requests that the Commission grant this motion for rehearing, admit the following evidence, and grant the requested CCN.

Or in the alternative, Dos Aguas respectfully requests that the Commission remand the proceeding with instructions to address any issue the Commission deems in need of additional support, including the size of the requested CCN service territory and any financial assurances deemed necessary or appropriate.

Respectfully submitted,

By: 

Stephen P. Mack
State Bar No. 24041374
Naman, Howell, Smith & Lee, PLLC
8310 N. Capital of Texas Highway, Suite 490
Austin, Texas 78731
(512) 479-0300
(512) 474-1901 (Facsimile)
smack@namanhowell.com

Attorneys for Dos Aguas, LLC

CERTIFICATE OF SERVICE

It is hereby certified that a copy of the foregoing has been served by email on all parties of record who have provided an email address on this the 24th day of March 2022, in accordance with the Commission's Second Order Suspending Rules, issued on July 16, 2020, in Project No. 50664.



Stephen Mack

Attachment 1

Attachment 1A

TCEQ Search Licensing or Registration Information

License Detail

To report a change of address, phone number, or email address, please fill out the form located at <http://www.tceq.texas.gov/licensing/forms/contactupdate>.

CN: CN602168262
Name: ROHE, SCOTT S
Address: 321 DORRELL RD
City: HUNTSVILLE
State: TX
ZIP: 77340-2608
County: WALKER
Work Phone: 936-661-2210

License(s)

There were 8 licenses found.

Program ②	License Type and Level ②	License Number ②	Last Issued Date ②	Exp. Date ②	License Status ②	CE Hours ②
OSSFOL	OSSF MAINTENANCE PROVIDER	MP0001718	03/17/2020	05/31/2023	CURRENT	16
OSSFOL	OSSF INSTALLER II	OS0022458	03/03/2021	03/31/2024	CURRENT	8
WATEROL	GROUND WATER TREATMENT OPERATOR C	WG0018579	11/23/2020	11/23/2023	CURRENT	16
OSSFOL	OSSF INSTALLER I	OS0018913	01/09/2004	03/30/2005	EXPIRED	N/A
OSSFOL	OSSF MAINTENANCE PROVIDER	MP0001153	02/13/2007	02/28/2009	EXPIRED	N/A
WATEROL	WATER OPERATOR D	WO0012480	05/07/2003	05/07/2005	EXPIRED	N/A
CSIOL	CUSTOMER SERVICE INSPECTOR	N/A	N/A	N/A	PENDING	N/A
WATEROL	GROUND WATER TREATMENT OPERATOR C	N/A	N/A	N/A	VOID	N/A

Note: The number of CE hours needed in order to renew a license is based on the term (length) of each license. Please go to the program page for the license you hold to determine the number of CE hours needed and to view the latest information and renewal requirements for your license.

Application(s) within the Last 2 Years

There were 4 applications found.

Program ②	Type and Level ②	App. Type ②	App. Status ②	App. Review Date ②	App. Expiration Date ②	Deficiency Letter Date ②	Total Hours ②
OSSFOL	OSSF INSTALLER II	RENEWAL	LICISSUED	03/03/2021	04/30/2021	No Deficiency	191
OSSFOL	OSSF MAINTENANCE PROVIDER	RENEWAL	LICISSUED	03/17/2020	06/30/2020	No Deficiency	191
WATEROL	GROUND WATER TREATMENT OPERATOR C	NEW	LICISSUED	10/27/2020	10/27/2021	No Deficiency	116
CSIOL	CUSTOMER SERVICE INSPECTOR	NEW	APPROVED	12/16/2021	12/16/2022	No Deficiency	16

Course(s)

There were 36 courses found. **Note:** You may see the same course listed multiple times. This occurs because the course counted towards multiple license programs.

Program ②	Course Title	Course Code ②	Hours ②	Date ②	Provider
BPATOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	07/13/2021	TRWA
CSIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	07/13/2021	TRWA
LIOL	ELECTRICAL WIRING & CONNECTIONS (ETS)	311	8.0	12/16/2021	ETS
LIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	07/13/2021	TRWA
LIOL	TRBLSHT & REPAIR ATU, CONTROLS, SPRAY OR DRIP	904	8.0	11/14/2018	ETS
LIOL	ELECTRICAL WIRING & CONNECTIONS (ETS)	311	8.0	06/27/2017	ETS
LIOL	ELECTRICAL WIRING & CONNECTIONS (ETS)	311	8.0	04/26/2017	ETS
LIOL	TRBLSHT & REPAIR ATU, CONTROLS, SPRAY OR DRIP	904	8.0	03/04/2015	ETS
LIOL	COMPETITIVE EDGE IN BUS 4 FINANCIAL SUC(CLASSROOM)	958	8.0	01/13/2012	ETS
LIOL	TRBLSHT & REPAIR ATU, CONTROLS, SPRAY OR DRIP	904	8.0	02/20/2009	ETS
OSSFOL	ELECTRICAL WIRING & CONNECTIONS (ETS)	311	8.0	12/16/2021	ETS
OSSFOL	(CRSPD) COMPETIT EDGE IN BUS 4 FINANC SUCC (OSSF)	229	8.0	01/22/2021	ETS
OSSFOL	INSTALL, O&M OF SUBSURFACE DRIP DISPOSAL SYST(ETS)	1134	8.0	11/19/2019	ETS

OSSFOL	TRBLSHT & REPAIR ATU, CONTROLS, SPRAY OR DRIP	904	8.0	11/14/2018	ETS
OSSFOL	ELECTRICAL WIRING & CONNECTIONS (ETS)	311	8.0	06/27/2017	ETS
OSSFOL	ELECTRICAL WIRING & CONNECTIONS (ETS)	311	8.0	04/26/2017	ETS
OSSFOL	(CRSPD) COMPETIT EDGE IN BUS 4 FINANC SUCC (OSSF)	229	8.0	04/25/2017	ETS
OSSFOL	TRBLSHT & REPAIR ATU, CONTROLS, SPRAY OR DRIP	904	8.0	03/04/2015	ETS
OSSFOL	INSTALL, O&M OF SUBSURFACE DRIP DISPOSAL SYST(ETS)	1134	8.0	05/21/2014	ETS
OSSFOL	(CRSPD) COMPETIT EDGE IN BUS 4 FINANC SUCC (OSSF)	229	8.0	04/15/2014	ETS
OSSFOL	COMPETITIVE EDGE IN BUS 4 FINANCIAL SUC(CLASSROOM)	958	8.0	01/13/2012	ETS
OSSFOL	ADVANCED AEROBIC MAINTENANCE (AMP)	434	16.0	04/20/2011	TOWA
OSSFOL	TRBLSHT & REPAIR ATU, CONTROLS, SPRAY OR DRIP	904	8.0	02/20/2009	ETS
OSSFOL	ON-SITE INSTALLER II	418	8.0	02/12/2009	TEEX ITSI
OSSFOL	BASIC MAINTENANCE PROVIDER	656	16.0	08/25/2006	TOWA
OSSFOL	ON-SITE INSTALLER II	418	21.0	01/12/2006	TEEX ITSI
OSSFOL	ON-SITE INSTALLER II	418	21.0	03/17/2005	TEEX ITSI
OSSFOL	ON-SITE INSTALLER I	417	13.0	12/17/2003	TEEX ITSI
WATEROL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	07/13/2021	TRWA
WATEROL	GROUNDWATER PRODUCTION	223	20.0	10/28/2015	TECS
WATEROL	GROUNDWATER PRODUCTION	223	20.0	07/15/2009	TRWA
WATEROL	GROUNDWATER PRODUCTION	223	20.0	02/17/2005	TEEX ITSI
WATEROL	(CORE) WATER DISTRIBUTION	605	20.0	05/20/2004	TEEX ITSI
WATEROL	(CORE) BASIC WATERWORKS OPERATION	92	20.0	04/10/2003	TEEX ITSI
WTSOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	07/13/2021	TRWA
WWOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	07/13/2021	TRWA

Note: Approved training providers are responsible for submitting approved training to TCEQ. Please allow 30 days from the last date of the training session for a record to appear in the search results. If a course does not appear in your training record after that time, please contact the training provider of the missing course. You may find contact information for approved training providers at <https://www.tceq.texas.gov/licensing/training/AllTrainingProviders>.

Attachment 1B

TCEQ Search Licensing or Registration Information

License Detail

To report a change of address, phone number, or email address, please fill out the form located at <http://www.tceq.texas.gov/licensing/forms/contactupdate>.

CN: CN601916984
Name: NETTLES, ROBERT L
Address: 126 ROBINSON RD
City: HUNTSVILLE
State: TX
ZIP: 77320-0542
County: WALKER
Work Phone: 936-594-5793

License(s)

There were 8 licenses found.

Program ?	License Type and Level ?	License Number ?	Last Issued Date ?	Exp. Date ?	License Status ?	BPAT Practical Skills ?	CE Hours ?
BPATOL	BACKFLOW PREVENTION ASSEMBLY TESTER	BP0012770	11/09/2021	01/25/2025	CURRENT	NO	0
CSIOL	CUSTOMER SERVICE INSPECTOR	CI0002227	02/18/2020	02/21/2023	CURRENT	N/A	3
WATEROL	WATER OPERATOR A	WO0015485	08/16/2019	10/15/2022	CURRENT	N/A	21.5
WWOL	WASTEWATER TREATMENT OPERATOR B	WW0006830	04/02/2020	04/11/2023	CURRENT	N/A	30.5
OSSFOL	OSSF MAINTENANCE TECHNICIAN	MT0000122	04/08/2010	01/23/2013	EXPIRED	N/A	N/A
OSSFOL	OSSF MAINTENANCE PROVIDER	MP0001786	01/23/2013	01/31/2016	EXPIRED	N/A	N/A
WATEROL	SURFACE WATER TREATMENT OPERATOR C	WS0006947	06/28/1997	06/28/2000	EXPIRED	N/A	N/A
WATEROL	GROUND WATER TREATMENT OPERATOR B	WG0003816	03/18/2003	10/12/2004	EXPIRED	N/A	N/A

Note: The number of CE hours needed in order to renew a license is based on the term (length) of each license. Please go to the program page for the license you hold to determine the number of CE hours needed and to view the latest information and renewal requirements for your license.

Application(s) within the Last 2 Years

There were 3 applications found.

Program ?	Type and Level ?	App. Type ?	App. Status ?	App. Review Date ?	App. Expiration Date ?	Deficiency Letter Date ?	Total Hours ?
BPATOL	BACKFLOW PREVENTION ASSEMBLY TESTER	RENEWAL	LICISSUED	11/09/2021	02/24/2022	No Deficiency	212
CSIOL	CUSTOMER SERVICE INSPECTOR	RENEWAL	LICISSUED	02/18/2020	03/22/2020	No Deficiency	140.5
WWOL	WASTEWATER TREATMENT OPERATOR B	RENEWAL	LICISSUED	04/02/2020	05/11/2020	No Deficiency	708

Course(s)

There were 292 courses found. **Note:** You may see the same course listed multiple times. This occurs because the course counted towards multiple license programs.

Program ?	Course Title	Course Code ?	Hours ?	Date ?	Provider
BPATOL	TRWA CONFERENCE - CSI AND BPAT ONLY	1319	3.0	10/07/2021	TRWA
BPATOL	BPAT PRACTICAL SKILLS REFRESHER - INCL. PRAC. SKILLS	1201	8.0	09/28/2021	BVWP
BPATOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	05/22/2019	TRWA
BPATOL	BPAT PRACTICAL SKILLS REFRESHER - INCL. PRAC. SKILLS	1201	8.0	11/07/2018	BVWP
BPATOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	11/30/2016	TRWA
BPATOL	BPAT PRACTICAL SKILLS REFRESHER - INCL. PRAC. SKILLS	1201	8.0	12/03/2015	TEEX ITS
BPATOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	10/23/2013	TRWA
BPATOL	16 HR BPAT ONLY CE (PRACTICAL SKILLS INCLUDED) - INCL. PRAC. SKILLS	1099	16.0	07/01/2010	TEEX ITS
BPATOL	BPAT PRACTICAL SKILLS REFRESHER - INCL. PRAC. SKILLS	1201	8.0	04/01/2010	TEEX ITS
BPATOL	BACKFLOW PREVENTION ASSEMBLY TESTER - INCL. PRAC. SKILLS	1200	40.0	11/13/2009	TEEX ITS
BPATOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	07/14/2009	TRWA
BPATOL	CUSTOMER SERVICE INSPECTIONS	173	14.0	08/02/2007	TRWA

BPATOL	CUSTOMER SERVICE INSPECTIONS	173	10.0	08/01/2007	TRWA
BPATOL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
BPATOL	CUSTOMER SERVICE INSPECTIONS	173	14.0	12/01/2004	TRWA
BPATOL	ID AND PREVENTION OF CROSS-CONNECTIONS	1178	8.0	03/17/2004	TRWA
BPATOL	CUSTOMER SERVICE INSPECTIONS	173	10.0	03/16/1999	TRWA
CSIOL	TRWA CONFERENCE - CSI AND BPAT ONLY	1319	3.0	10/07/2021	TRWA
CSIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	05/22/2019	TRWA
CSIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	11/30/2016	TRWA
CSIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	10/23/2013	TRWA
CSIOL	TRWA CONFERENCE-WATER/WASTEWATER/CSI	1258	1.5	03/22/2013	TRWA
CSIOL	SEMINAR-WATER AND CSI TRAINING CREDIT	489	1.0	07/15/2010	TRWA
CSIOL	BACKFLOW PREVENTION ASSEMBLY TESTER - INCL. PRAC. SKILLS	1200	12.0	11/13/2009	TEEX ITS
CSIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	07/14/2009	TRWA
CSIOL	SEMINAR-WATER AND CSI TRAINING CREDIT	489	2.0	05/06/2009	TRWA
CSIOL	CUSTOMER SERVICE INSPECTIONS	173	14.0	08/02/2007	TRWA
CSIOL	CUSTOMER SERVICE INSPECTIONS	173	10.0	08/01/2007	TRWA
CSIOL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
CSIOL	CUSTOMER SERVICE INSPECTIONS	173	14.0	12/01/2004	TRWA
CSIOL	ID AND PREVENTION OF CROSS-CONNECTIONS	1178	8.0	03/17/2004	TRWA
CSIOL	CUSTOMER SERVICE INSPECTIONS	173	10.0	03/16/1999	TRWA
LIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	05/22/2019	TRWA
LIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	11/30/2016	TRWA
LIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	10/23/2013	TRWA
LIOL	BACKFLOW PREVENTION ASSEMBLY TESTER - INCL. PRAC. SKILLS	1200	12.0	11/13/2009	TEEX ITS
LIOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	07/14/2009	TRWA
LIOL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
LPSTOL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
OSSFOL	ADVANCED AEROBIC MAINTENANCE (AMP)	434	16.0	03/21/2012	TOWA
OSSFOL	OSSF-AEROBIC UNIT & SURFACE APPLICATION O&M	821	8.0	01/13/2011	TEEX ITS
OSSFOL	BASIC MAINTENANCE PROVIDER	656	16.0	03/08/2010	TOWA
OSSFOL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
USTOL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	10/07/2021	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.5	03/26/2021	TRWA
WATEROL	SEMINAR (W/WW)	34	1.0	11/12/2020	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.0	10/23/2020	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	9.0	11/07/2019	TRWA
WATEROL	PUBLIC DRINKING WATER CONFERENCE	626	6.0	08/08/2019	TCEQ
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	5.0	06/07/2019	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	1.0	06/07/2019	TRWA
WATEROL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	05/22/2019	TRWA
WATEROL	GROUNDWATER PRODUCTION	223	14.0	05/02/2019	S/E TEX RS
WATEROL	SEMINAR (W/WW)	34	6.0	02/12/2019	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	8.0	10/04/2018	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.0	11/02/2017	TRWA
WATEROL	PUBLIC DRINKING WATER CONFERENCE	626	4.5	08/09/2017	TCEQ
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	07/13/2017	TRWA
WATEROL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	11/30/2016	TRWA
WATEROL	PUBLIC DRINKING WATER CONFERENCE	626	9.5	08/10/2016	TCEQ
WATEROL	TRWA CONFERENCE-WATER ONLY	249	1.0	07/14/2016	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	1.0	03/24/2016	TRWA
WATEROL	PUBLIC DRINKING WATER CONFERENCE	626	8.5	08/12/2015	TCEQ
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.5	07/16/2015	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/20/2015	TRWA
WATEROL	SEMINAR (W/WW)	34	7.0	09/11/2014	TRWA
WATEROL	PUBLIC DRINKING WATER CONFERENCE	626	9.0	08/06/2014	TCEQ
WATEROL	WORKSHOP-WATER	477	3.0	05/15/2014	TCEQ
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	11/07/2013	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.0	11/07/2013	TRWA
WATEROL	WATER UTILITY MANAGEMENT	550	20.0	10/30/2013	TEEX ITS
WATEROL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	10/23/2013	TRWA
WATEROL	SEMINAR (WATER ONLY)	1135	5.0	08/07/2013	TCEQ
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.0	07/18/2013	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.5	03/22/2013	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	1.5	03/22/2013	TRWA

WATEROL	TRWA CONFERENCE-WATER/WASTEWATER/CSI	1258	1.5	03/22/2013	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	5.0	10/11/2012	TRWA
WATEROL	SEMINAR (WATER ONLY)	1135	10.0	08/08/2012	TCEQ
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	07/19/2012	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	2.0	07/19/2012	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	4.0	11/03/2011	TRWA
WATEROL	SEMINAR (WATER ONLY)	1135	8.0	08/10/2011	TCEQ
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	07/14/2011	TRWA
WATEROL	EPA WATER WORKSHOP	315	4.0	06/07/2011	TRWA
WATEROL	ONLINE SURVEY-GW & DIST JOB ANALYSIS (2 HR W)	564	2.0	04/30/2011	TCEQ
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.5	03/25/2011	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	1.5	03/25/2011	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	6.0	11/04/2010	TRWA
WATEROL	PUBLIC DRINKING WATER CONFERENCE	626	9.0	08/11/2010	TCEQ
WATEROL	SEMINAR-WATER AND CSI TRAINING CREDIT	489	1.0	07/15/2010	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	2.0	07/15/2010	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	06/26/2010	TRWA
WATEROL	CLUSTER COURSE I: SAMPLING, DISINFEC, COMPLIANCE	1300	10.0	04/14/2010	LiquidLng
WATEROL	EPA WATER WORKSHOP	315	6.0	01/07/2010	TRWA
WATEROL	BACKFLOW PREVENTION ASSEMBLY TESTER - INCL. PRAC. SKILLS	1200	12.0	11/13/2009	TEEX ITSI
WATEROL	EPA WATER WORKSHOP	315	4.0	09/28/2009	TRWA-Onlin
WATEROL	SEMINAR (WATER ONLY)	1135	2.0	08/12/2009	TCEQ
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	07/16/2009	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	1.0	07/16/2009	TRWA
WATEROL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	16.0	07/14/2009	TRWA
WATEROL	ENVIRONMENTAL TRADE FAIR - WATER	638	3.0	05/14/2009	TCEQ
WATEROL	SEMINAR-WATER AND CSI TRAINING CREDIT	489	2.0	05/06/2009	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	05/06/2009	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	1.5	03/06/2009	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/06/2009	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	11/06/2008	TRWA
WATEROL	CLUSTER CRSE II: PRESS MAINT,FLUSHING & HYDRANT	1301	10.0	10/17/2008	LiquidLng
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.5	07/10/2008	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	07/10/2008	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	05/07/2008	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	5.5	04/18/2008	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/14/2008	TRWA
WATEROL	CLUSTER COURSE I: SAMPLING, DISINFEC, COMPLIANCE	1300	10.0	03/06/2008	LiquidLng
WATEROL	CUSTOMER SERVICE INSPECTIONS	173	14.0	08/02/2007	TRWA
WATEROL	CUSTOMER SERVICE INSPECTIONS	173	10.0	08/01/2007	TRWA
WATEROL	WATER UTILITY MANAGEMENT	550	20.0	07/11/2007	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	03/23/2007	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/23/2007	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	3.0	04/20/2006	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	5.0	04/19/2006	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.0	03/31/2006	TRWA
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/13/2006	GREEN FORS
WATEROL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
WATEROL	EPA WATER WORKSHOP	315	4.0	02/15/2006	TRWA
WATEROL	SEMINAR (WATER ONLY)	1135	12.0	08/10/2005	TCEQ
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	07/14/2005	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	2.0	07/14/2005	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	05/18/2005	TRWA
WATEROL	TRWA CONFERENCE-WATER ONLY	249	2.0	05/18/2005	TRWA
WATEROL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/11/2005	TRWA
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	01/10/2005	GREEN FORS
WATEROL	CUSTOMER SERVICE INSPECTIONS	173	14.0	12/01/2004	TRWA
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	11/08/2004	GREEN FORS
WATEROL	TRWA CONFERENCE-WATER ONLY	249	10.0	10/07/2004	TRWA
WATEROL	MEETING, ANNUAL - WATER	636	10.0	07/15/2004	TRWA
WATEROL	SEMINAR (W/WW)	34	2.0	05/12/2004	TAPWO
WATEROL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/19/2004	TRWA
WATEROL	ID AND PREVENTION OF CROSS-CONNECTIONS	1178	8.0	03/17/2004	TRWA
WATEROL	SEMINAR - WATER (DEACT 2/04) USE 1135	648	4.0	01/28/2004	TRWA
WATEROL	WATER TECHNOLOGY	613	40.0	10/10/2003	TRWA

WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	09/30/2003	GREEN FORS
WATEROL	TAPWO SOUTH TEXAS EXPO 2003	1126	4.0	09/24/2003	TAPWO
WATEROL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	07/17/2003	TRWA
WATEROL	SEMINAR (W/WW)	34	3.0	05/14/2003	TAPWO
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2003	GREEN FORS
WATEROL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/28/2003	TRWA
WATEROL	WATER LABORATORY	285	22.0	03/05/2003	ANNUAL SCH
WATEROL	WATER UTILITY CALCULATIONS	108	20.0	02/13/2003	TEEX ITS
WATEROL	SEMINAR - WATER (DEACT 2/04) USE 1135	648	4.0	01/23/2003	TRWA
WATEROL	MEETING, ANNUAL - WATER	636	10.0	07/18/2002	TRWA
WATEROL	SEMINAR (W/WW)	34	8.0	05/15/2002	TRWA
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2002	GREEN FORS
WATEROL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/28/2002	TRWA
WATEROL	SEMINAR - WATER (DEACT 2/04) USE 1135	648	4.0	02/12/2002	TRWA
WATEROL	CHLORINATOR MAINTENANCE(O&M CHLOR SYSTEMS)	124	20.0	11/29/2001	TEEX ITS
WATEROL	PDT-MANAGERIAL (DEACT 1/07 NO LONGER USED)	711	9.0	10/03/2001	TRWA
WATEROL	GEN TRAINING CREDIT - WATER (DEACT 1/05)	640	2.0	07/31/2001	TNRCC
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2001	GREEN FORS
WATEROL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/30/2001	TRWA
WATEROL	WATER UTILITY MANAGEMENT	550	20.0	07/12/2000	TRWA
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2000	GREEN FORS
WATEROL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/17/2000	TRWA
WATEROL	SEMINAR - WATER (DEACT 2/04) USE 1135	648	7.0	01/13/2000	TRWA
WATEROL	PUMP & MOTOR OPERATION AND MAINTENANCE	396	20.0	11/11/1999	TEEX ITS
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	09/30/1999	GREEN FORS
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/1999	GREEN FORS
WATEROL	MEETING, ANNUAL - WATER	636	10.0	03/19/1999	TRWA
WATEROL	CUSTOMER SERVICE INSPECTIONS	173	10.0	03/16/1999	TRWA
WATEROL	MEETING, ANNUAL - WATER	636	10.0	07/16/1998	TRWA
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/1998	GREEN FORS
WATEROL	GROUNDWATER PRODUCTION	223	20.0	03/04/1998	ANNUAL SCH
WATEROL	SEMINAR - WATER (DEACT 2/04) USE 1135	648	7.0	02/19/1998	TRWA
WATEROL	SEMINAR - WATER (DEACT 2/04) USE 1135	648	7.0	01/30/1998	TNRCC
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	4.0	12/31/1996	GREEN FORS
WATEROL	(CORE) WATER DISTRIBUTION	605	20.0	07/25/1996	TEEX ITS
WATEROL	WATER LABORATORY	285	20.0	03/06/1996	ANNUAL SCH
WATEROL	(CORE) BASIC WATERWORKS OPERATION	92	20.0	01/25/1996	TEEX ITS
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	14.0	12/31/1995	GREEN FORS
WATEROL	SEMINAR (W/WW)	34	14.0	08/01/1995	TNRCC
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	14.0	12/01/1994	GREEN FORS
WATEROL	WATER UTILITY SAFETY	426	20.0	12/01/1994	TEEX ITS
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	8.0	04/01/1994	GREEN FORS
WATEROL	PUMP & MOTOR OPERATION AND MAINTENANCE	396	20.0	02/01/1994	TEEX ITS
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	8.0	12/01/1993	GREEN FORS
WATEROL	SEMINAR (W/WW)	34	14.0	12/01/1993	TNRCC
WATEROL	(CORE) WATER DISTRIBUTION	605	20.0	02/01/1993	TEEX ITS
WATEROL	WATER UTILITY CALCULATIONS	108	20.0	01/01/1993	TEEX ITS
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	12/01/1991	GREEN FORS
WATEROL	(CORE) WATER DISTRIBUTION	605	20.0	06/01/1991	TEEX ITS
WATEROL	MONTHLY MEETING TRAINING (W/WW)	33	6.0	12/01/1990	GREEN FORS
WATEROL	(CORE) WATER DISTRIBUTION	605	20.0	04/01/1990	TEEX ITS
WTSOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	05/22/2019	TRWA
WTSOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	11/30/2016	TRWA
WTSOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	10/23/2013	TRWA
WTSOL	BACKFLOW PREVENTION ASSEMBLY TESTER - INCL. PRAC. SKILLS	1200	12.0	11/13/2009	TEEX ITS
WTSOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	07/14/2009	TRWA
WWOL	WASTEWATER TREATMENT	437	18.0	10/28/2021	S/E TEX RS
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	10/07/2021	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.5	03/26/2021	TRWA
WWOL	SEMINAR (W/WW)	34	1.0	11/12/2020	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.0	10/23/2020	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	9.0	11/07/2019	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	5.0	06/07/2019	TRWA
WWOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	05/22/2019	TRWA
WWOL	SEMINAR (W/WW)	34	6.0	02/12/2019	TRWA

WWOL	TRWA CONFERENCE-WASTEWATER ONLY	250	6.0	10/04/2018	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.0	11/02/2017	TRWA
WWOL	TRWA CONFERENCE-WASTEWATER ONLY	250	1.0	07/13/2017	TRWA
WWOL	WASTEWATER WORKSHOP	681	6.0	03/02/2017	TRWA
WWOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	11/30/2016	TRWA
WWOL	TRWA CONFERENCE-WASTEWATER ONLY	250	1.0	03/24/2016	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.5	07/16/2015	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/20/2015	TRWA
WWOL	SEMINAR (W/WW)	34	7.0	09/11/2014	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.0	11/07/2013	TRWA
WWOL	WATER UTILITY MANAGEMENT	550	20.0	10/30/2013	TEEX ITSI
WWOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	10/23/2013	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.0	07/18/2013	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.5	03/22/2013	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER/CSI	1258	1.5	03/22/2013	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	5.0	10/11/2012	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	07/19/2012	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.5	03/25/2011	TRWA
WWOL	TRWA CONFERENCE-WASTEWATER ONLY	250	3.0	03/26/2010	TRWA
WWOL	BACKFLOW PREVENTION ASSEMBLY TESTER - INCL. PRAC. SKILLS	1200	12.0	11/13/2009	TEEX ITSI
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	07/16/2009	TRWA
WWOL	(CORE CSI) CUSTOMER SERVICE INSPECTION & CCC	606	12.0	07/14/2009	TRWA
WWOL	ENVIRONMENTAL TRADE FAIR - WASTEWATER	639	4.0	05/14/2009	TCEQ
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	05/06/2009	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/06/2009	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	2.0	11/06/2008	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	1.5	07/10/2008	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/14/2008	TRWA
WWOL	WATER UTILITY MANAGEMENT	550	20.0	07/11/2007	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/23/2007	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	5.0	04/19/2006	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	4.0	03/31/2006	TRWA
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/13/2006	GREEN FORS
WWOL	(DEACT 4/14) UNDERGROUND FACILITY DAMAGE PREV	1183	1.0	03/02/2006	TEXAS811
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	07/14/2005	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	05/18/2005	TRWA
WWOL	TRWA CONFERENCE-WATER/WASTEWATER	257	3.0	03/11/2005	TRWA
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	01/10/2005	GREEN FORS
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	11/08/2004	GREEN FORS
WWOL	MEETING, ANNUAL - WASTEWATER	637	10.0	07/15/2004	TRWA
WWOL	SEMINAR (W/WW)	34	2.0	05/12/2004	TAPWO
WWOL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/19/2004	TRWA
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	09/30/2003	GREEN FORS
WWOL	TAPWO SOUTH TEXAS EXPO 2003	1126	4.0	09/24/2003	TAPWO
WWOL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	07/17/2003	TRWA
WWOL	SEMINAR (W/WW)	34	3.0	05/14/2003	TAPWO
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2003	GREEN FORS
WWOL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/28/2003	TRWA
WWOL	WATER UTILITY CALCULATIONS	108	20.0	02/13/2003	TEEX ITSI
WWOL	SEMINAR (W/WW)	34	8.0	05/15/2002	TRWA
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2002	GREEN FORS
WWOL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/28/2002	TRWA
WWOL	CHLORINATOR MAINTENANCE(O&M CHLOR SYSTEMS)	124	20.0	11/29/2001	TEEX ITSI
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2001	GREEN FORS
WWOL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/30/2001	TRWA
WWOL	MEETING, ANNUAL - WASTEWATER	637	10.0	07/13/2000	TRWA
WWOL	WATER UTILITY MANAGEMENT	550	20.0	07/12/2000	TRWA
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/2000	GREEN FORS
WWOL	(DEACT 5/14) MEETING, ANNUAL (W/WW)	522	10.0	03/17/2000	TRWA
WWOL	SEMINAR - WW & LIMITED LPST	649	4.0	01/13/2000	TRWA
WWOL	PUMP & MOTOR OPERATION AND MAINTENANCE	396	20.0	11/11/1999	TEEX ITSI
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	09/30/1999	GREEN FORS
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/1999	GREEN FORS
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	03/31/1998	GREEN FORS
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	4.0	12/31/1996	GREEN FORS

WWOL	GEN TRAINING CREDIT - WW (DEACT 1/05)	641	8.0	04/13/1996	GREEN FORS
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	14.0	12/31/1995	GREEN FORS
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	8.0	04/08/1995	GREEN FORS
WWOL	WASTEWATER TREATMENT	437	20.0	03/08/1995	ANNUAL SCH
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	14.0	12/31/1994	GREEN FORS
WWOL	WATER UTILITY SAFETY	426	20.0	12/15/1994	TEEX ITSI
WWOL	WASTEWATER LABORATORY	81	20.0	04/27/1994	S/E TEX RS
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	4.0	04/09/1994	GREEN FORS
WWOL	PUMP & MOTOR OPERATION AND MAINTENANCE	396	20.0	02/03/1994	TEEX ITSI
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	8.0	12/31/1993	GREEN FORS
WWOL	WASTEWATER COLLECTION	80	20.0	06/17/1993	TEEX ITSI
WWOL	WASTEWATER TREATMENT	437	20.0	03/10/1993	ANNUAL SCH
WWOL	WATER UTILITY CALCULATIONS	108	20.0	01/28/1993	TEEX ITSI
WWOL	WASTEWATER TREATMENT	437	20.0	10/22/1992	TEEX ITSI
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	2.0	12/31/1991	GREEN FORS
WWOL	OPER OF ACTIVATED SLUDGE PLANTS(= 437)	9	20.0	11/21/1991	TEEX ITSI
WWOL	MONTHLY MEETING TRAINING (W/WW)	33	6.0	12/31/1990	GREEN FORS
WWOL	(CORE) BASIC WASTEWATER OPERATIONS	59	20.0	08/23/1990	TEEX ITSI
WWOL	WASTEWATER TREATMENT	437	20.0	03/29/1990	TEEX ITSI
WWOL	(CORE) BASIC WASTEWATER OPERATIONS	59	20.0	10/05/1989	TEEX ITSI

Note: Approved training providers are responsible for submitting approved training to TCEQ. Please allow 30 days from the last date of the training session for a record to appear in the search results. If a course does not appear in your training record after that time, please contact the training provider of the missing course. You may find contact information for approved training providers at <https://www.tceq.texas.gov/licensing/training/AllTrainingProviders>.

Attachment 1C

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



PWS_1700917_CO_20210603_Plan Ltr

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

June 3, 2021

Mr. Brett Wyant, P.E.
Spear Point Engineering, LLC
604 West Worsham Street, Suite 100
Willis, TX 77378

Re: Dos Aguas - Public Water System ID No. 1700917
Proposed Distribution System - Republic Grand Ranch and Deer Forest Deveopment
Engineer Contact Telephone: (956) 245-2547
Plan Review Log No. P-04262021-179
Montgomery County, Texas

CN605857093; RN111188272

Dear Mr. Wyant:

On April 26, 2021, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated April 26, 2021 for the proposed distribution system - Republic Grand Ranch and Deer Forest Deveopment. Based on our review of the information submitted, the project generally meets the minimum requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems and is **conditionally approved for construction** if the project plans and specifications meet the following requirement(s):

Dos Aguas (PWS 1700917) does not have adequate plant capacity approved by the TCEQ for the number of connections proposed in the submitted distribution systems. Dos Aguas must increase the approved water treatment plant capacity in accordance with §290.45 before these lots are developed in order to meet capacity requirements.

The submittal consisted of 7 sheets of engineering drawings and technical specifications. The approved project consists of:

- 9,312 linear feet of 4-inch, American Society for Testing Materials (ASTM) Standard D2241, standard dimension ratio (SDR) 26, polyvinyl chloride (PVC) pipe;
- 13,180 linear feet of 6-inch, ASTM Standard D2241, SDR 26, PVC pipe;
- 201,240 linear feet of 8-inch, ASTM Standard D2241, SDR 26, PVC pipe;
- Service Lines: 1-inch, ASTM Standard D1248, SDR 9, polyethylene; and
- All associated valves, fittings, and appurtenances.

Mr. Brett Wyant, P.E.
Page 2
June 3, 2021

This approval is for the construction of the above listed items only. Any wastewater components contained in this design were not considered. The authorization provided in this letter does not relieve a Public Water System from the need to comply with other applicable state and federal regulations.

The Dos Aguas public water supply system provides water treatment.

The project is located at the intersection of Tanyard Road and Farm-to-Market Road 1097 in Montgomery County, Texas.

An appointed engineer must notify the TCEQ's Region 12 Office in Houston at (713) 767-3500 when construction will start. Please keep in mind that upon completion of the water works project, the engineer or owner will notify the commission's Water Supply Division, in writing, as to its completion and attest to the fact that the completed work is substantially in accordance with the plans and change orders on file with the commission as required in 30 TAC §290.39(h)(3).

Please refer to the Plan Review Team's Log No. P-04262021-179 in all correspondence for this project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on TCEQ's website at the address shown below. You can also download the most current plan submittal checklists and forms from the same address.

<https://www.tceq.texas.gov/drinkingwater/udpubs.html>

For future reference, you can review part of the Plan Review Team's database to see if we have received your project. This is available on TCEQ's website at the following address:

<https://www.tceq.texas.gov/drinkingwater/planrev.html/#status>

You can download the latest revision of 30 TAC Chapter 290 - Rules and Regulations for Public Water Systems from this site.

Mr. Brett Wyant, P.E.
Page 3
June 3, 2021

If you have any questions concerning this letter or need further assistance, please contact Mr. Franklin Adams at (512) 239-4648 or by email at Franklin.Adams@Tceq.Texas.Gov. If you are unable to contact Mr. Adams, please contact another member of the Plan Review Team at (512) 239-4691 or by correspondence at the following address:

Plan Review Team, MC-159
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Sincerely,



Craig A. Stowell, P.E.
Plan Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality



Vera Poe, P.E., Team Leader
Plan Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality

VP/CAS/fa/av

cc: Dos Aguas, Attn: Mr. Scott Rohn, 455 Farm-to-Market Road 2296, Huntsville, TX 77340-2424

Attachment 1D

TCEQ Public water system plan review submittal form

(Complete, Seal and Attach to Submittal Package)

WATER SYSTEM INFORMATION

Date:	December 17, 2021		
TCEQ PWS Identification No.: (Facilities will be assigned this PWS No.)	1700917		
Water System Name:	Dos Aguas Water Plant No. 1		
Owner Information:			
Water System Owner:	Dos Aguas, LLC		
Address:	455 FM 2296, Huntsville, TX 77340	(AC) Phone:	(936) 661-2210
Responsible Official:	Scott Rowe	Title:	
County (System Location):	Montgomery	Mechanism & Source of Financing: (i.e. loans, rates, self-financed, etc.)	Self-Financed
Subdivision Sec., Phase, Unit, Etc.	Grand Republic Ranch Section 1		

ENGINEER INFORMATION

Engineer Name:	Michael Mathena P.E.	Registration No.:	91895
Firm Name:	Light Point Engineering, LLC	Firm No.:	18938
(AC) Phone:	(936) 207-9984	(AC) Fax:	N/A
Firm Address:	604 W. Worsham St, Suite 100, Willis, TX 77378		

SUBMITTAL INFORMATION

Is this submittal for a new public water system?	Yes: ☒ No: ☐
--	---

If no, proceed to the Project Information section on Page 2. If no PWS number exists, the owner must submit a core data form and business plan, if required, in accordance with §290.39(f) and (g).

NEW (PROPOSED) WATER SYSTEMS

(Only complete this section if this submittal is for a NEW water system)

For new (proposed) system submittals, please provide 2 copies of the submittal and attach the following:

☒	A list of all water utilities within ½ mile of the proposed service area boundaries (reference 30 TAC 290.39(c)(1)).	
☒	Copies of written responses from each of the entities listed above (reference 30 TAC 290.39(c)(1)).	
☒	Copies of formal applications for service from each of the following (reference 30 TAC 290.39(c)(1)):	
☐	Any municipality if the system is within its ETJ.	
☐	Any district or other political subdivision whose corporate boundaries are within ½ mile of the proposed service area boundaries.	
☒	Any other water service provider whose certificated service area boundary is within ½ mile of the proposed service area boundaries.	

TCEQ Public water system plan review submittal form

(Complete, Seal and Attach to Submittal Package)

☒	Documentation that all application requirements, including fee payments, are current.	
☒	Business plan: Please complete the financial ability form, provide a cost summary for the proposed project, and submit a business plan (reference 30 TAC 290.39 (f)). The business plan must confirm capital available to construct the system according to TCEQ requirements. Acceptable financial information can include some of the following: Financial statements (preferably audited), CPA compilation report, tax returns, statements of net worth, bank statements. If the project is being funded with loan proceeds, provide a loan commitment letter from the lender specific to this project. If the plan submittal is for a community system, also provide a copy of the Certificate of Convenience and Necessity (CCN) application submitted to the Public Utility Commission of Texas (PUC), and complete items referenced in 30 TAC 290.39 (f) (1 - 13).	
☐	Justification for constructing a separate system (if one of the entities listed above is willing to provide service).	
☒	TCEQ Core Data Form (No. 10400).	
☐	Emergency Preparedness Plan (No. 20536) if serving water in Harris or Fort Bend Counties and have overnight accommodations.	

Certificate of Convenience and necessity (CCN)

Certificates of Convenience and Necessity (CCN) applications are processed by the Public Utility Commission of Texas (PUC) and are required for privately owned systems and water supply corporations. If a CCN is required and a CCN does not exist, the applicant must obtain a CCN number or have the application accepted for filing at the PUC before a PWS project submittal can be technically reviewed. In addition, if a submittal is for a project located outside the CCN area, a CCN amendment application must be submitted before a project may be reviewed for construction approval. Please refer to PUC for additional information at: <http://www.puc.texas.gov/industry/water/guidance/UtilRulesGuidance.aspx> (Rules and Guidance for Water and Sewer Utilities).

Will the proposed PWS be owned by either an investor owned utility (IOU) or water supply corporation (WSC)? If yes, please indicate which type of entity WCS _____.	YES: ☒ NO: ☐
Has a CCN application been submitted to the PUC? If yes, please provide the date of acceptance 11/09/2020; Docket No. 51407 _____.	YES: ☒ NO: ☐
List the name, license number and class of the operator for the proposed system:	Scott Rowe, WG0018579, Class C

Project Information

If a system does NOT have a PWS number, the sections above must be filled out

All engineering documents must be sealed, signed, and dated by a Texas registered professional engineer. An engineering report that includes the number of connections to be served must accompany each project. Please check each box that is applicable.

If this submittal is a revision of previously submitted plans, please provide the assigned TCEQ log number:	
<u>New Projects/Facilities</u>	<u>Modifications to Existing Facilities</u>
☐ Water well construction - Proposed	☐ Surface water treatment plant modifications
☒ Well completion data for approved well	☐ Storage capacity modifications
☐ Ground water treatment plant - New	☐ Distribution system modifications
☐ Surface water treatment plant - New	☐ Pressure maintenance facilities modifications
☐ Proposed Innovative/Alternative Treatment	☐ Disinfection facilities or other modifications
☐ Request for rule exception	
☐ Preliminary engineering report without plans	

TCEQ Public water system plan review submittal form

(Complete, Seal and Attach to Submittal Package)

☐	Texas Water Development Board Project No.:		
☐	As-Built Plans & Engineering Report		
☐	Other (please describe):		

Signature and certification

The following certification indicates I have the authority to make submittals on behalf of the PWS referenced on Page 1. I hereby certify that the above information is, to the best of my knowledge, true and correct:

Engineer's Signature:		
Engineer's Printed Name:	Mike Mathena, P.E	
Date:	8/12/2021	

Signature/P.E. Seal Required below:

Please call (512) 239-4691 if you have questions regarding this form. Your cooperation will help us provide better service. Additional helpful information and rules are available at the Public Water System Plan Review website.

Texas Commission on Environmental Quality SANITARY CONTROL EASEMENT

SOUTH WELL 1B LOCATION

DATE: August 25, 2020

GRANTOR(S): REPUBLIC GRAND RANCH, LLC

GRANTOR'S ADDRESS: 1015A WEST SH 150, NEW WAVERLY, TX 77358

GRANTEE: DOS AGUAS, LLC

GRANTEE'S ADDRESS: 455 FM 2296 HUNTSVILLE, TX 77340

SANITARY CONTROL EASEMENT:

Purpose, Restrictions, and Uses of Easement:

1. The purpose of this easement is to protect the water supply of the well described and located below by means of sanitary control.
2. The construction, existence, and/or operation of the following within a 150-foot radius of the well described and located below are prohibited: septic tank or sewage treatment perforated drain fields; areas irrigated by low dosage, low angle spray on-site sewage facilities; absorption beds; evapotranspiration beds; abandoned, inoperative or improperly constructed water wells of any depth; underground petroleum and chemical storage tanks or liquid transmission pipelines; sewage treatment plants; sewage wet wells; sewage pumping stations; drainage ditches which contains industrial waste discharges or wastes from sewage treatment systems; animal feed lots; solid waste disposal sites, landfill and dump sites; lands on which sewage plant or septic tank sludge is applied; lands irrigated by sewage plant effluent; military facilities; industrial facilities; wood -treatment facilities; liquid petroleum and petrochemical production, storage, and transmission facilities; Class 1, 2, 3, 4 and 5 injection wells; pesticide storage and mixing facilities; and all other constructions or operations that could pollute the groundwater sources of the well that is the subject of this easement. For the purpose of this easement, improperly constructed water wells are those wells which do not meet the surface and subsurface construction standards for a public water supply well.
3. The construction, existence and/or operation of tile or concrete sanitary sewers, sewer appurtenances, septic tanks, storm sewers, cemeteries, and/or the existence of livestock in pastures is specifically prohibited within a 50-foot radius of the water well described and located below.
4. This easement permits the construction of homes or buildings upon the Grantor's property, and farming and ranching operations, as long as all items in Restrictions Nos. 2 and 3 are recognized and followed.

The Grantor's property subject to this Easement is described in the documents recorded at: Clerks File No. 2019113827 of the Official Public Records of Montgomery County, Texas.

PROPERTY SUBJECT TO EASEMENT:

All of that area within a 150-foot radius of the water well located S11°38'55"W distance of 11,395.48 feet (Bearings and Distance are GRID NAD 83, Texas Central Zone) from the most northerly northwest corner of the called 4,818.84 acre tract of land described in said Deed to Republic Grand Ranch, LLC recorded under Clerks File No. 2019113827 of the Official Public Records of Montgomery County, Texas, also shown in Exhibit A attached below.

TERM:

This easement shall run with the land and shall be binding on all parties and persons claiming under the Grantor(s) for a period of two years from the date that this easement is recorded; after which time, this easement shall be automatically extended until the use of the subject water well as a source of water for public water systems ceases.

ENFORCEMENT:

Enforcement of this easement shall be proceedings at law or in equity against any person or persons violating or attempting to violate the restrictions in this easement, either to restrain the violation or to recover damages.

INVALIDATION:

Invalidation of any one of these restrictions or uses (covenants) by a judgment or court order shall not affect any of the other provisions of this easement, which shall remain in full force and effect.

FOR AND IN CONSIDERATION, of the sum of One Dollar (\$1.00) and for other good and valuable consideration paid by the Grantee to the Grantor(s), the receipt of which is hereby acknowledged, the Grantor does hereby grant and convey to Grantee and to its successors and assigns the sanitary control easement described in this easement.

GRANTOR(S) By: Renee Howes

Renee Howes, Authorized Agent

ACKNOWLEDGMENT

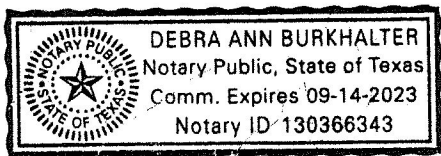
STATE OF TEXAS

§

COUNTY OF WALKER

§

BEFORE ME, the undersigned authority, on the day of 8/31, 220, personally appeared Renee Howes known to me to be the person(s) whose name(s) is (are) subscribed to the foregoing instrument and acknowledged to me that executed the same for the purposes and consideration therein expressed.

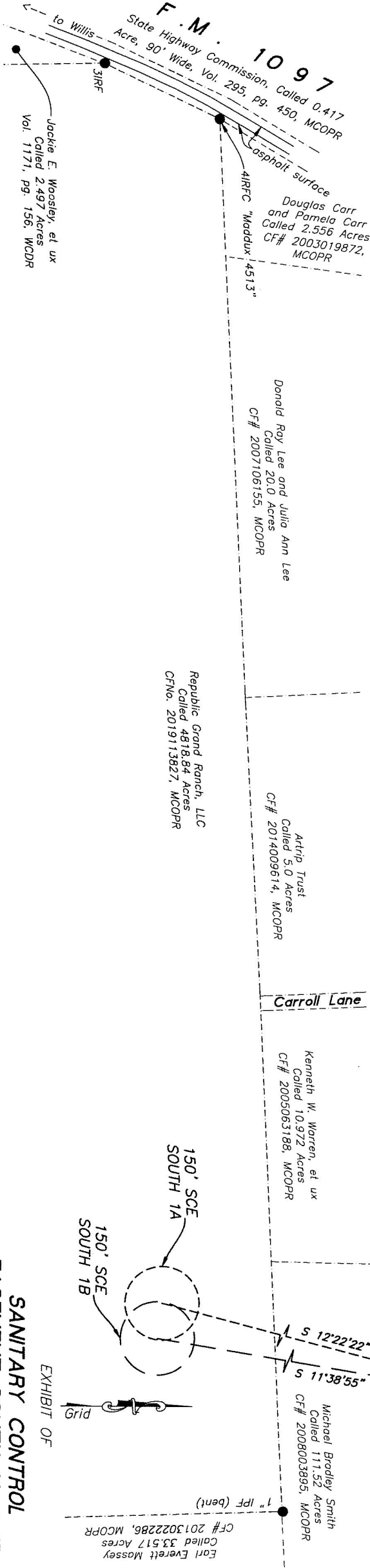


Notary Public in and for
THE STATE OF TEXAS
My Commission Expires: 9/14/2023
Typed or Printed Name of Notary
Debra Ann Burkhalter

Recorded in _____ Courthouse, _____ Texas on _____, 2

LEGEND

- Found Iron Rod or Iron Pipe (IP), size and type as noted
- Set 5/8" Iron Rod with 1-3/4" blue plastic cap mkd. "MICHAEL A. NAMKEN RPLS 6533"
- 3IRF Found 3/8" Iron Rod
- 4IRF Found 1/2" Iron Rod
- MCDR Montgomery County Deed Records
- MCOPR Montgomery County Official Public Records
- MCRPR Montgomery County Real Property Records
- SCE Sanitary Control Easement



NOTES:

1. The purpose of this plat is to show the locations of the 150 foot Sanitary Control Easement South 1A and the 150 foot radius Sanitary Control Easement South 1B, on of the called 4818.84 acre tract of land as described in a deed to Republic Grand Ranch, LLC, CFNo. 2019113827, MCOPR.
2. Bearings, Distances and Acres hereon are Grid and referenced to the Texas State Plane Coordinate System, Central Zone, NAD 83. Distances may be converted to geodetic horizontal (surface) by dividing by a Combined Scale factor of 0.9999076.

EXHIBIT "A"

EXHIBIT OF

SANITARY CONTROL
EASEMENT SOUTH 1A & 1B
on REPUBLIC GRAND
RANCH PROPERTY
JOSE MARIA DE LA GARZA GRANT, A-15
MONTGOMERY COUNTY, TEXAS

AUGUST 2020



1 INCH = 500 FEET

Namken, Inc.
P.O. Box 1158, New Waverly, Tx 77358
TBP&LS Firm No. 10194090
936-661-3325

E-FILED FOR RECORD

08/31/2020 04:13PM



COUNTY CLERK
MONTGOMERY COUNTY, TEXAS

STATE OF TEXAS,
COUNTY OF MONTGOMERY

I hereby certify that this instrument was e-filed in the file number
sequence on the date and time stamped herein
by me and was duly e-RECORDED in the Official Public
Records of Montgomery County, Texas.

08/31/2020



County Clerk
Montgomery County, Texas



2928 State Hwy 19
Huntsville TX 77320
936-295-6098
936-295-8704 Fax

TEST CONDUCTED BY: Kevin Lee/Matt Davis

WELL OWNER: Dos Aguas

ADDRESS:

PUMPED WELL NO.

LOCATION:

Willis TX

AIRLINE LENGTHS:

STATIC WATER LEVEL: 374

REMARKS: Pump set at 593' on 4" Galvanized
40HP 7WAHC-5

PUMPED WELL DATA

DATE & TIME	GPM	Water Level	Comments
1:48 9/15/21	200	385	
1:49	200	404	
1:50	200	415	
1:51	200	429	
1:52	200	434	
1:57	200	434	
2:02	200	438	
2:07	200	438	
2:12	200	438	
2:17	200	438	
2:22	200	438	
2:27	200	438	
2:32	200	441	
2:37	200	441	
2:42	200	441	
2:47	200	441	
3:02	200	441	
3:17	200	441	
3:32	200	441	
3:47	200	441	
4:17	200	441	
4:47	200	443	
5:17	200	441	
5:47	200	443	
6:47	200	443	
7:47	200	443	
8:47	200	443	
9:47	200	443	
10:47	200	443	
11:47	200	443	
12:47	200	443	
1:47	200	443	12 hours
2:47	200	443	
3:47	200	443	
4:47	200	443	
5:47	200	443	
6:47	200	443	
7:47	200	445	

8:47	200	445	
9:47	200	445	
10:47	200	445	
11:47	200	445	
12:47	200	445	
1:47	200	445	24 hours
2:47	200	445	
3:47	200	445	
4:47	200	445	
5:47	200	445	
6:47	200	445	
7:47	200	445	
8:47	200	445	
9:47	200	445	
10:47	200	445	
11:47	200	445	
12:47	200	445	
1:47	200	445	36 hours
Recovery			
1:48		418	
1:49		404	
1:50		392	
1:51		385	
1:52		376	
1:57		360	
2:02		360	
2:07		360	
2:12		360	
2:17		360	
2:32		360	
2:47		360	
3:17		360	
3:47		360	
4:17		360	
4:47		360	
5:17		360	
5:47		360	

:

TCEQ Cementing Certificate for PWS Groundwater Well Construction

Dos Aguas

PWS No.: _____	TCEQ Approval Letter Log No.: P-_____
----------------	---------------------------------------

Cementing Company Name

ADVANCED CEMENTING SERVICES

Name and Title of Company Representative

Telephone Number

SHANNON McCONNELL	(979) 921-0356
-------------------	----------------

Company Address

40466 Fm 1498 HEMPSTEAD TX 77445

Cementing Information

AWWA A100-15 Appendix C Method Used for Cementing Well ¹ (circle method used)	C2 C3 C4 C5
Casing Material and Specification (AWWA A100-15 Table 2 "Water well casing materials")	Check the appropriate pipe on following sheet

Note: Please use columns 2-3 only if increasing or decreasing borehole and/or casing sizes are utilized

Information	Size 1	Size 2	Size 3
Borehole size (inch)	16.5		
Actual Casing size (inch of outside diameter)	12.75		
Ground Surface Elevation (GSE) as (msl or 0)			
Top of casing elevation (msl or +GSE)			
Bottom of casing elevation (msl or -GSE)	700		
Number of centralizers used			
Vol. - sacks of cement (with water & additives)	891		
Vol. of hole (annular space) to be cemented ²	419 cuft		
Number of sacks calculated to fill annular space	242		
Number of sacks of 94 lb. cement used	291		
Volume balance between sacks used & required	20%		
Gallons of water used per 94 lb. sack of cement and additives	9.08		
Depth of pressure cementing	700		
Date of pressure cementing	7-29-21		
API Class of cement used	A		
Additives used (bentonite, calcium chloride, etc)	BENTONITE		
% of additive added to cement -	6%		
% of additive added to cement -			
% of additive added to cement -			

Signature of Representative

Date

	10-26-21
--	----------

¹ Please note that AWWA A100-15 Method C1 is not allowed to be used, see 30 TAC §290.41(c)(3)(C).

² Borehole minus outside diameter of casing pipe.

**American Water Works Association Standard
A100-15 Water Wells**

APPENDIX C

Grouting and Sealing—Methods of Placement

SECTION C.2: Positive Displacement – Exterior Method

SECTION C.3: Interior Method – Without Plug

SECTION C.4: Positive Placement, Interior Method – Drillable Plug

SECTION C.5: Placement through Float Shoe Attached to Bottom of Casing

** For details of these approved methods refer to AWWA A100-15 Appendix C for details.*

Water-well Casing Materials Table 2 from AWWA A100-15

A. Manufacturing standards for single-ply carbon-steel well casing:

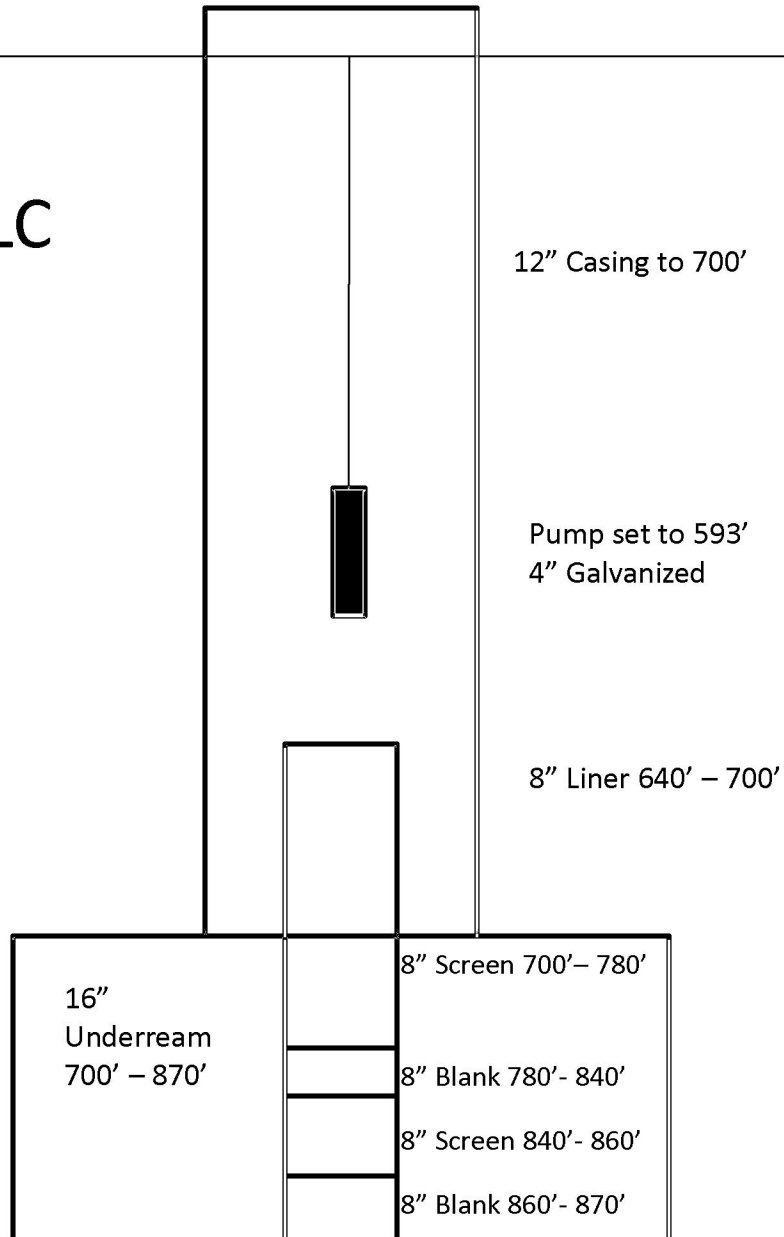
- ☒ ANSI/AWWA C200
- ☐ API Spec. 5L
- ☐ ASTM A53 Grade B
- ☐ ASTM A139 Grade B

B. Manufacturing standards for alternative-ply well-casing materials:

- | ☐ | Casing Material | Manufacturing Standard |
|-------------------------------------|-------------------------------|--|
| ☒ | Carbon Steel | ASTM A139 Grade B |
| ☐ | Copper-Bearing Steel | ASTM A139 Grade B with additional requirement that the steel contain a minimum of 0.20% copper |
| ☐ | High-Strength Low-Alloy Steel | ASTM A606 Type 4 |
| ☐ | Stainless Steel | ASTM A778 |
| ☐ | Plastic | ASTM F480 |

Dos Aguas, LLC

Drawing Not to Scale



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	0	0%	0%
40	0.016	2	2%	2%
50	0.012	10	10%	12%
70	0.008	40	40%	52%
100	0.006	39	39%	91%
120	0.0049	7	7%	98%
140	0.0041	2	2%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		100		

Remarks

Depth (Beginning) 700 Depth (Ending) 710

Uniformity Coefficient D60/D10 = 1.5203

D60 = 0.0092 D10 = 0.0061

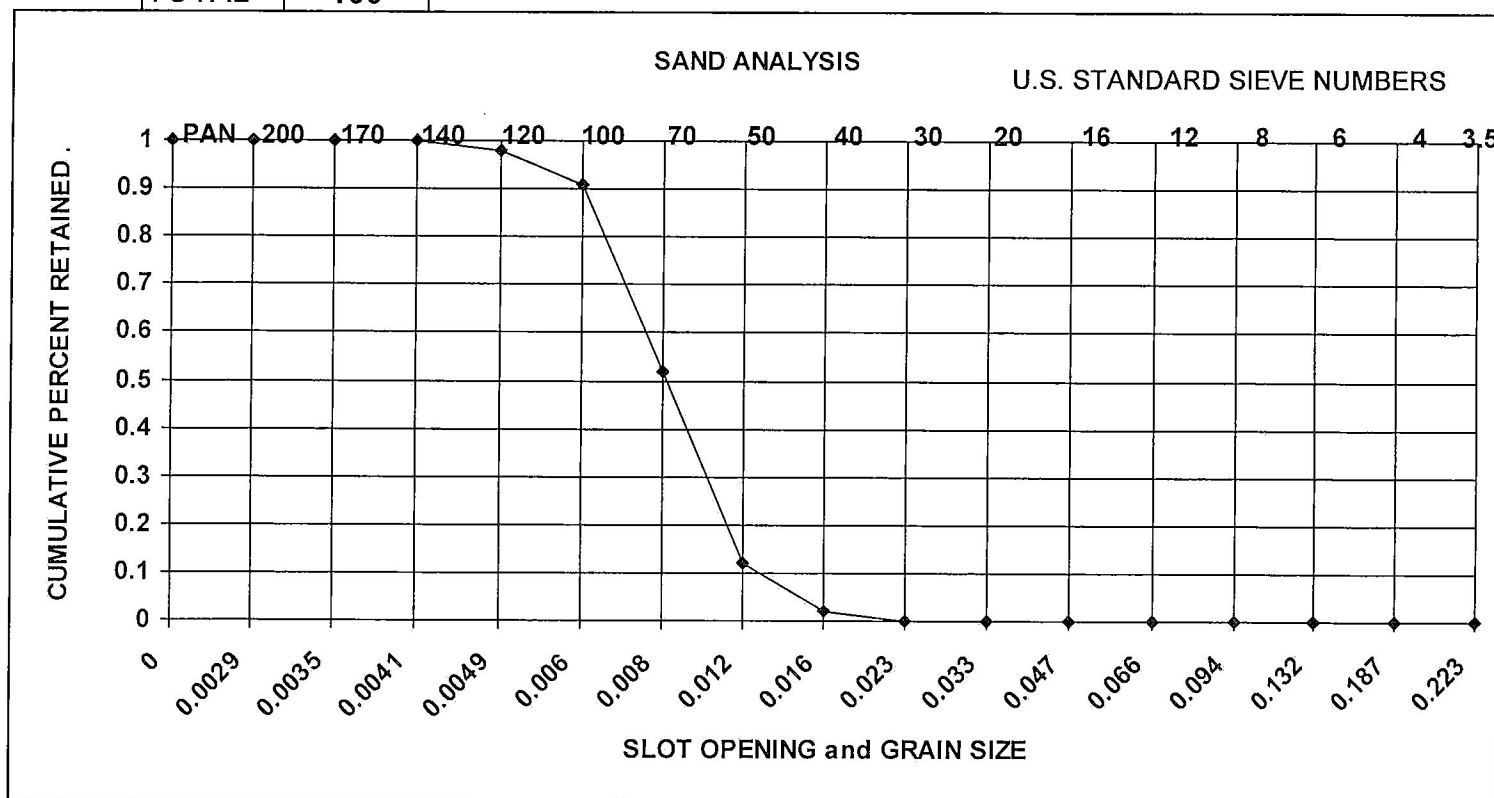
50% Point 0.0082 5*50% Pt 0.0410

Median Gravel Size 0.0410

Calculated Gravel Pack x6 0.049 x4 0.033

	Slot	Gravel
Recommended	.020	12-20 (.066-.033)
Recommended	.016	16-30 (.047-.023)

Natural Development 40 % Retention
Slot Recommendation 0.0092



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

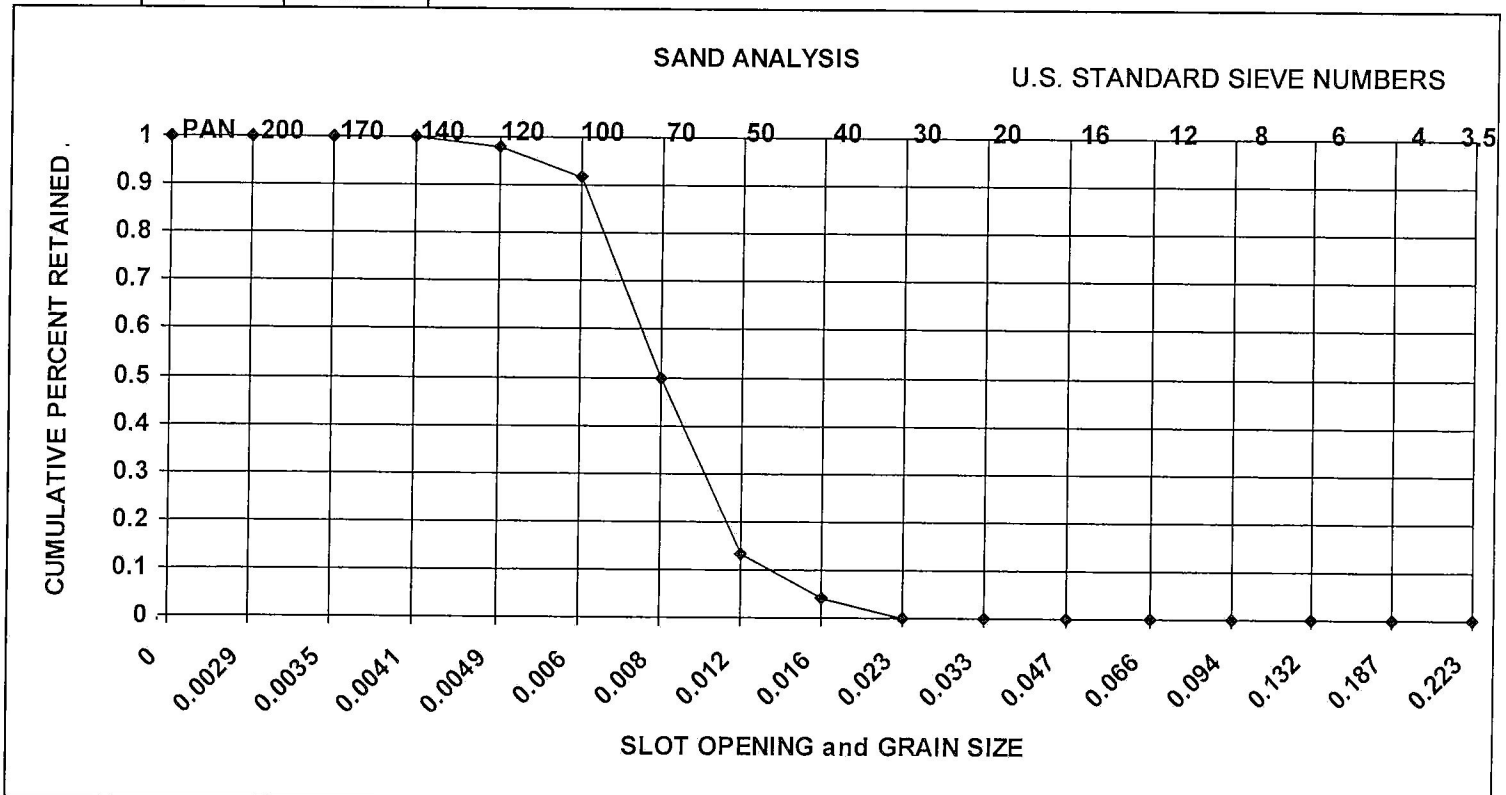
U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	0	0%	0%
40	0.016	4	4%	4%
50	0.012	9	9%	13%
70	0.008	36	37%	50%
100	0.006	41	42%	92%
120	0.0049	6	6%	98%
140	0.0041	2	2%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		98		

Remarks

Depth (Beginning) 710 Depth (Ending) 720
 Uniformity Coefficient D60/D10 = 1.493
 D60 = 0.0091 D10 = 0.0061
 50% Point 0.008 5*50% Pt 0.0400
 Median Gravel Size 0.0400
 Calculated Gravel Pack 0.048 ^{x6} 0.032 ^{x4}

	Slot	Gravel
Recommended	.020	12-20 (.066-.0331)
Recommended	.016	16-30 (.047-.023)

 Natural Development 40 % Retention
 Slot Recommendation 0.0091



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	0	0%	0%
40	0.016	0	0%	0%
50	0.012	10	10%	10%
70	0.008	36	37%	47%
100	0.006	40	41%	89%
120	0.0049	8	8%	97%
140	0.0041	3	3%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		97		

Remarks

Depth (Beginning) 720 Depth (Ending) 730

Uniformity Coefficient D60/D10 = 1.5117

D60 = 0.0088 D10 = 0.0058

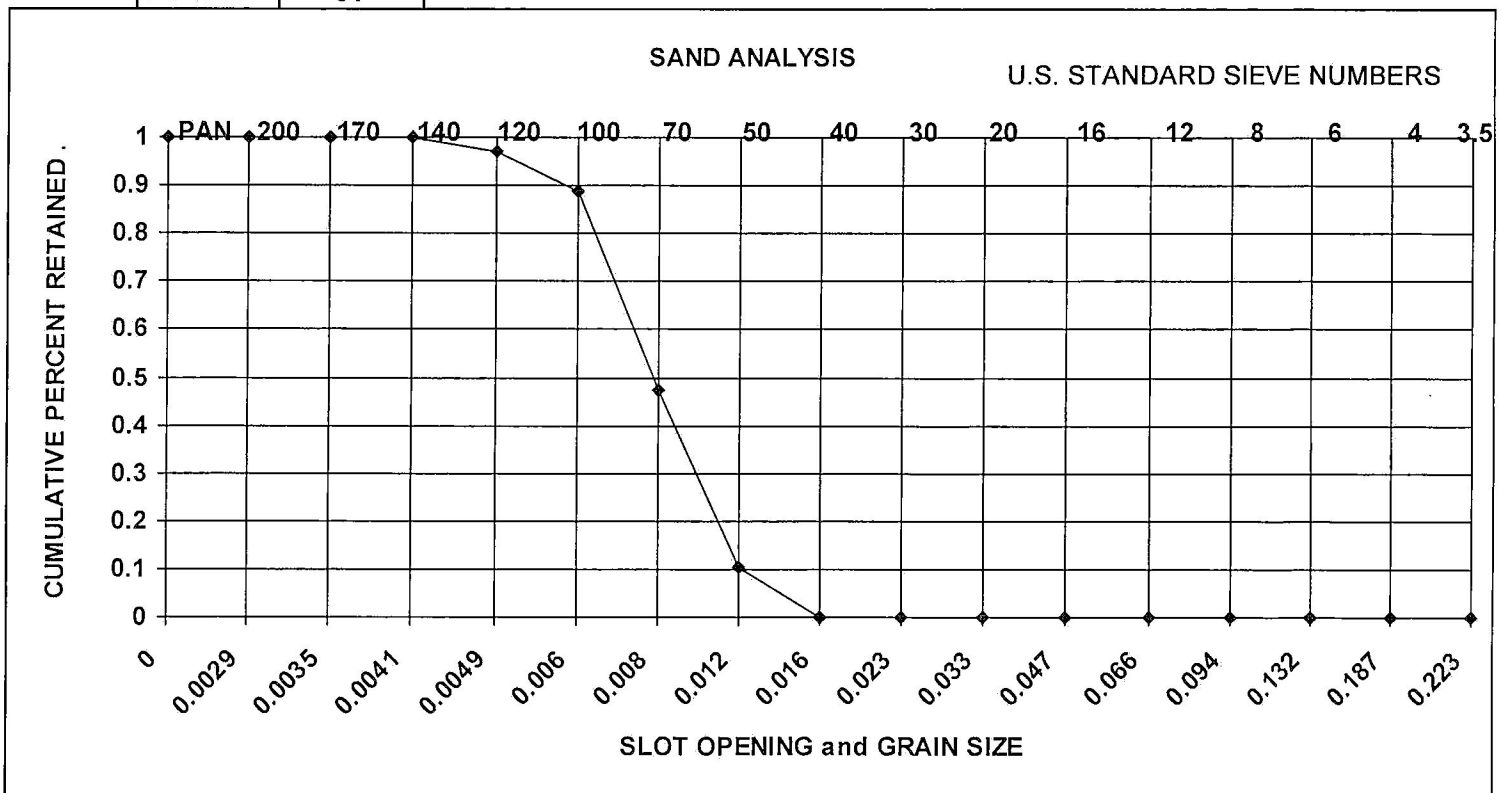
50% Point 0.0079 5*50% Pt 0.0394

Median Gravel Size 0.0394

Calculated Gravel Pack $\times 6$ 0.047 $\times 4$ 0.032

	Slot	Gravel
Recommended	.020	12-20 (.066-.0331)
Recommended	.016	16-30 (.047-.023)

Natural Development	40 %	Retention
Slot Recommendation	0.0088	



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	9	10%	10%
40	0.016	33	35%	45%
50	0.012	29	31%	76%
70	0.008	13	14%	89%
100	0.006	8	9%	98%
120	0.0049	2	2%	100%
140	0.0041	0	0%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		94		

Remarks

Depth (Beginning) 730 Depth (Ending) 740

Uniformity Coefficient D60/D10 = 2.1571

D60 = 0.0169 D10 = 0.0078

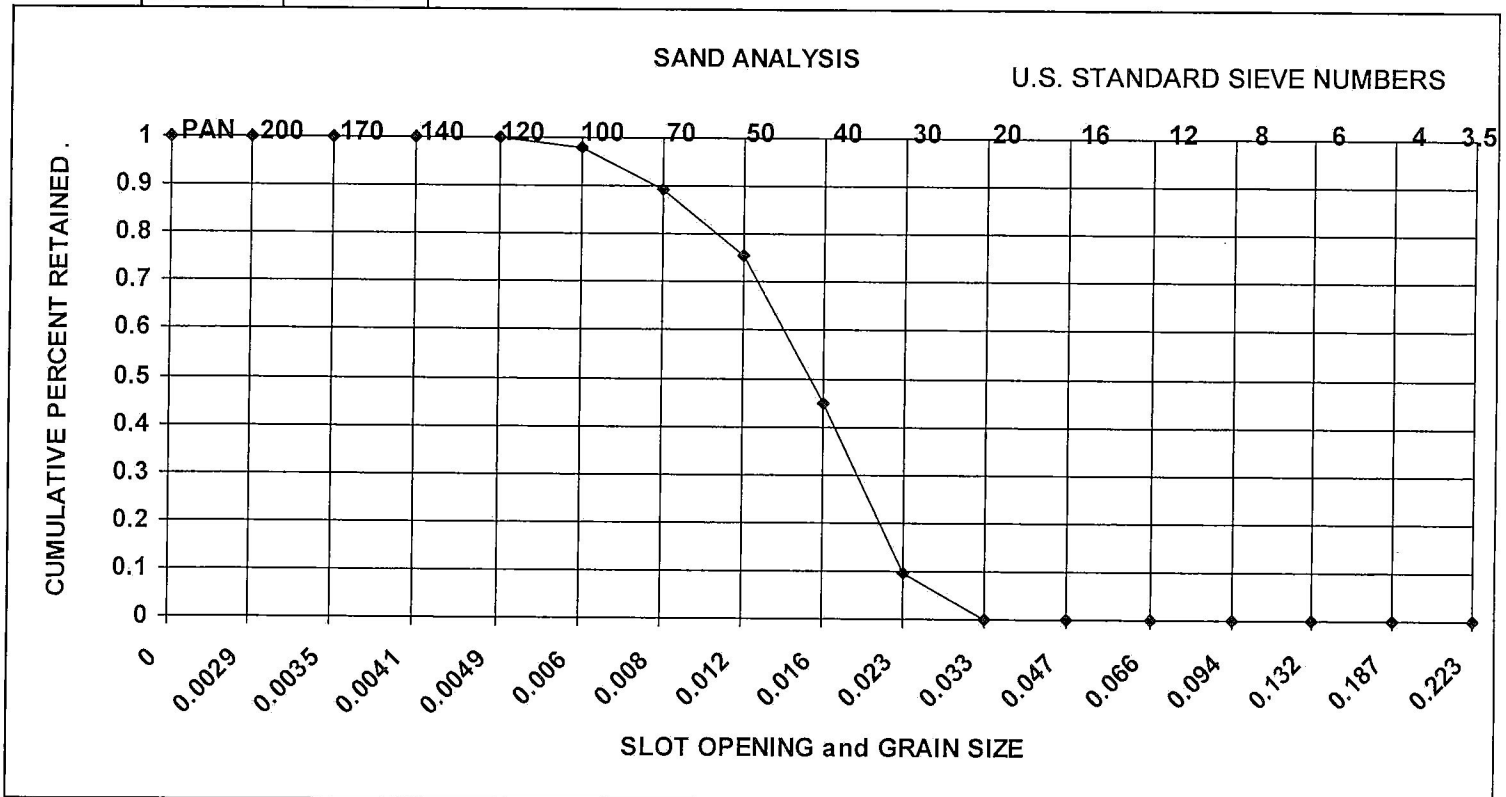
50% Point 0.0153 5*50% Pt 0.0766

Median Gravel Size 0.0766

Calculated Gravel Pack $\times 6$ 0.092 $\times 4$ 0.061

Recommended Slot Gravel
.030 8-12 (.093-.066)

Natural Development 40 % Retention
Slot Recommendation 0.0169



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	12	12%	12%
40	0.016	38	38%	50%
50	0.012	31	31%	81%
70	0.008	8	8%	89%
100	0.006	5	5%	94%
120	0.0049	2	2%	96%
140	0.0041	2	2%	98%
170	0.0035	2	2%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		100		

Remarks

Depth (Beginning) 740 Depth (Ending) 750

Uniformity Coefficient D60/D10 = 2.3476

D60 = 0.0178 D10 = 0.0076

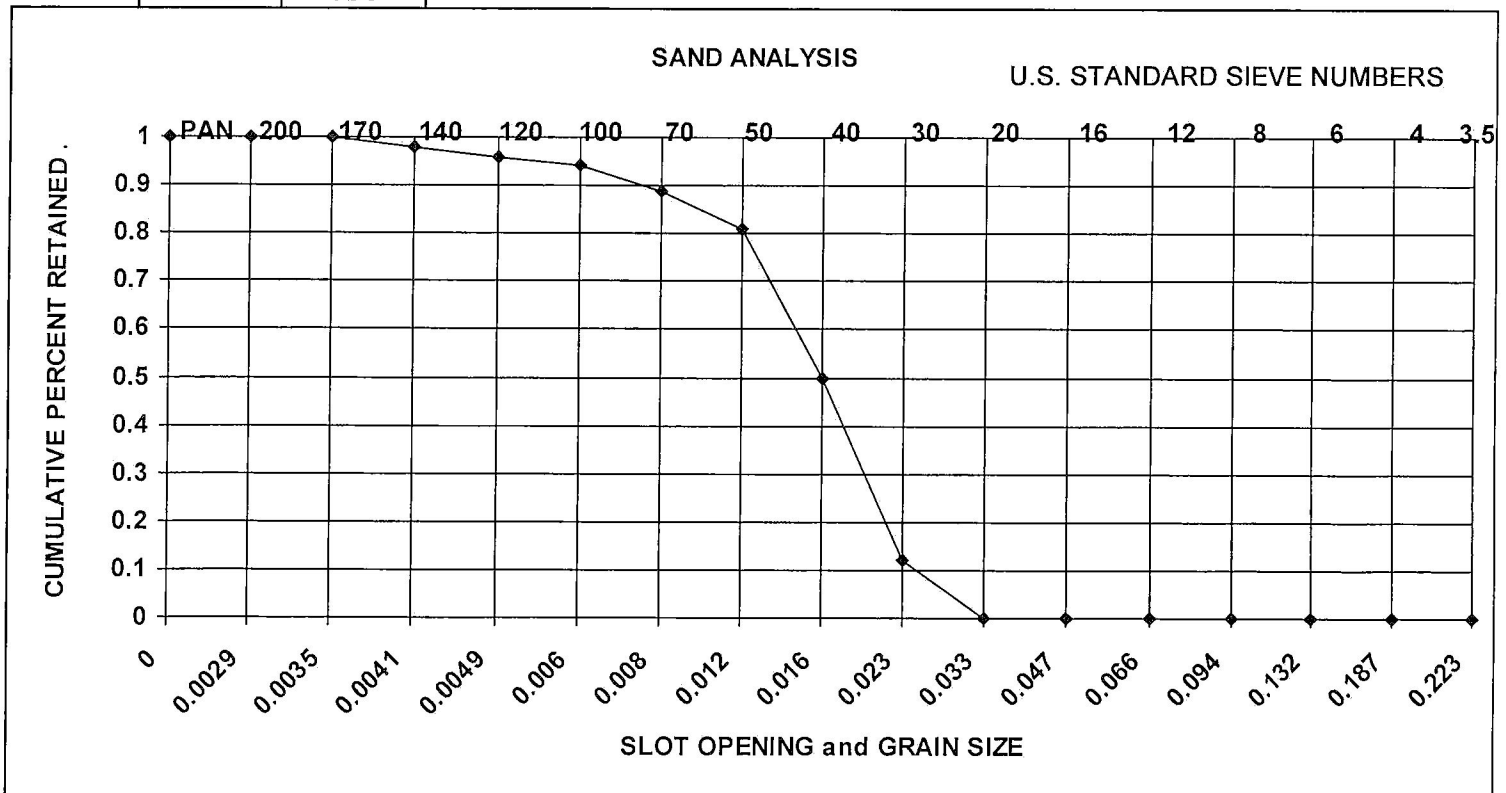
50% Point 0.016 5*50% Pt 0.0800

Median Gravel Size 0.0800

Calculated Gravel Pack $\times 6$ 0.096 $\times 4$ 0.064

Recommended Slot Gravel
.030 8-12 (.093-.066)

Natural Development 40 % Retention
Slot Recommendation 0.0178



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	4	4%	4%
30	0.023	6	6%	10%
40	0.016	27	27%	37%
50	0.012	28	28%	65%
70	0.008	19	19%	84%
100	0.006	11	11%	95%
120	0.0049	2	2%	97%
140	0.0041	3	3%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		100		

Remarks

Depth (Beginning) 750 Depth (Ending) 760

Uniformity Coefficient D60/D10 = 2.2538

D60 = 0.0156 D10 = 0.0069

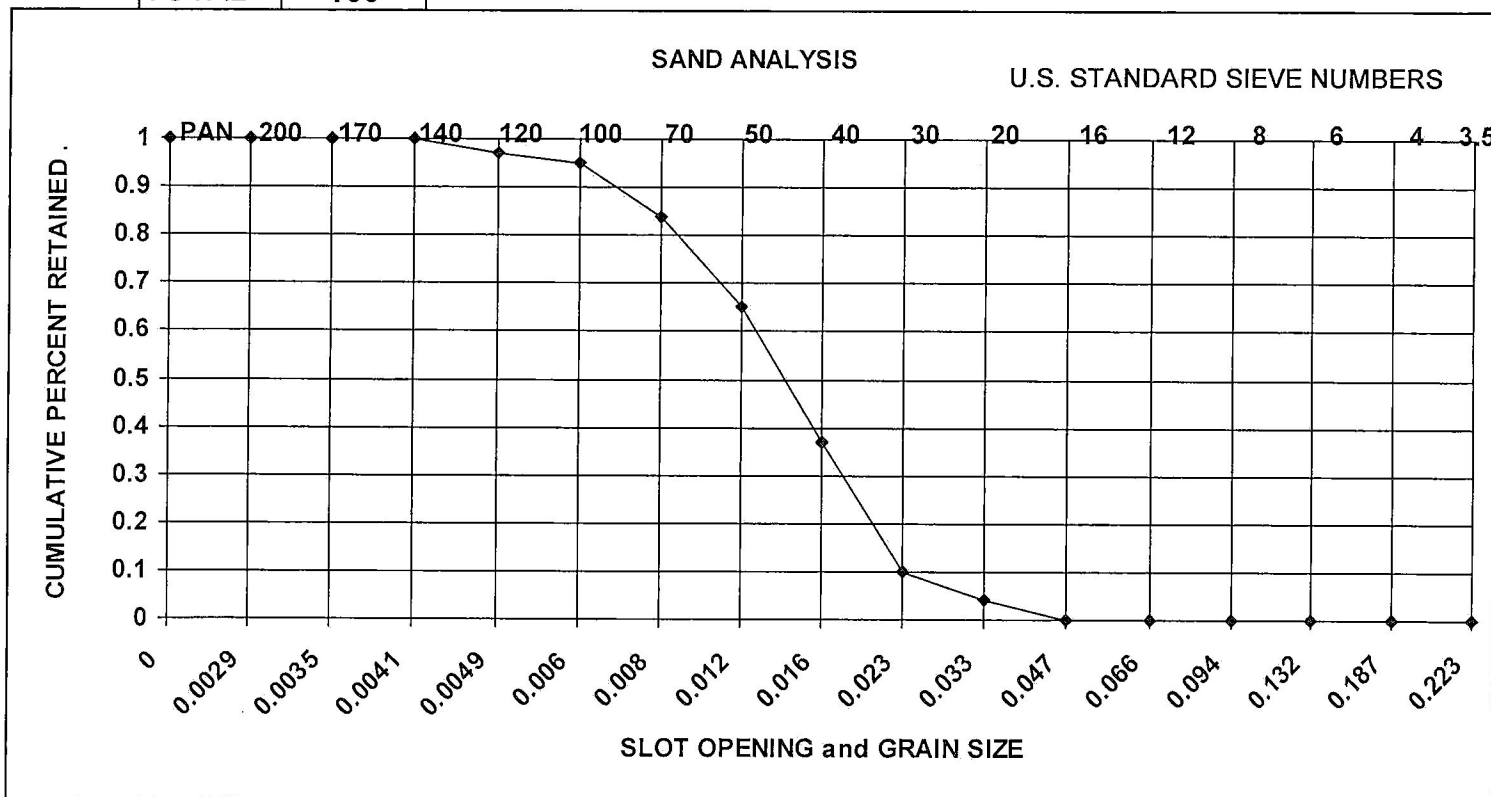
50% Point 0.0141 5*50% Pt 0.0707

Median Gravel Size 0.0707

Calculated Gravel Pack $\times 6$ 0.085 $\times 4$ 0.057

Recommended Slot Gravel
.030 8-12 (.093-.066)

Natural Development 40 % Retention
Slot Recommendation 0.0156



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	0	0%	0%
40	0.016	9	9%	9%
50	0.012	31	30%	38%
70	0.008	40	38%	76%
100	0.006	20	19%	95%
120	0.0049	3	3%	98%
140	0.0041	2	2%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		105		

Remarks

Depth (Beginning) 760 Depth (Ending) 770

Uniformity Coefficient D60/D10 = 1.8015

D60 = 0.0118 D10 = 0.0066

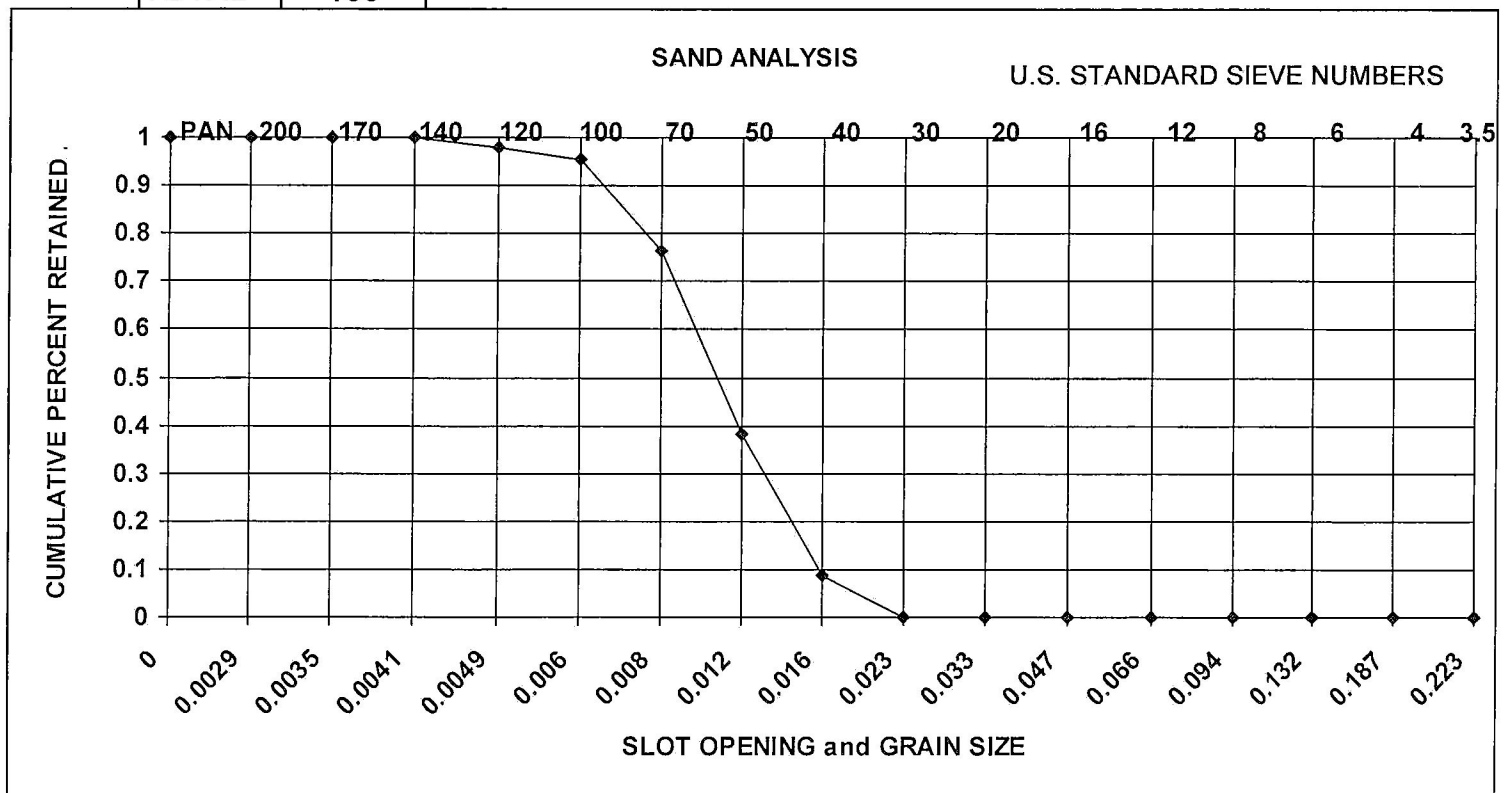
50% Point 0.0108 5*50% Pt 0.0538

Median Gravel Size 0.0538

Calculated Gravel Pack $\times 6$ 0.065 $\times 4$ 0.043

Recommended Slot Gravel
Recommended .020 12-20 (.066-.0331)

Natural Development 40 % Retention
Slot Recommendation 0.0118



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	3	3%	3%
40	0.016	7	7%	10%
50	0.012	30	30%	40%
70	0.008	39	39%	79%
100	0.006	18	18%	97%
120	0.0049	3	3%	100%
140	0.0041	0	0%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		100		

Remarks

Depth (Beginning) 770 Depth (Ending) 780

Uniformity Coefficient D60/D10 = 1.7705

D60 = 0.012 D10 = 0.0068

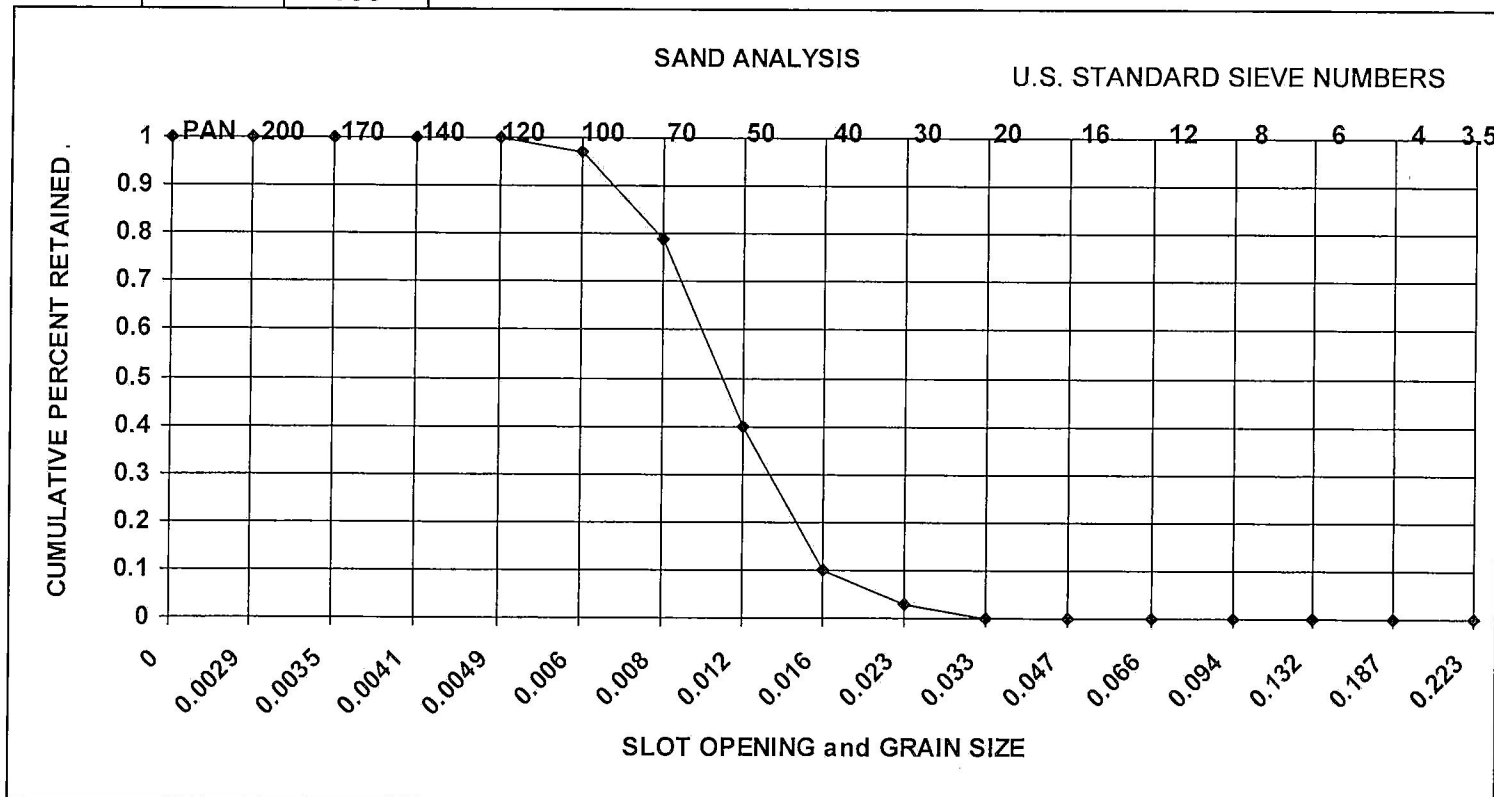
50% Point 0.011 5*50% Pt 0.0549

Median Gravel Size 0.0549

Calculated Gravel Pack x6 0.066 x4 0.044

Recommended Slot Gravel
.020 12-20 (.066-.0331)

Natural Development 40 % Retention
Slot Recommendation 0.0120



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

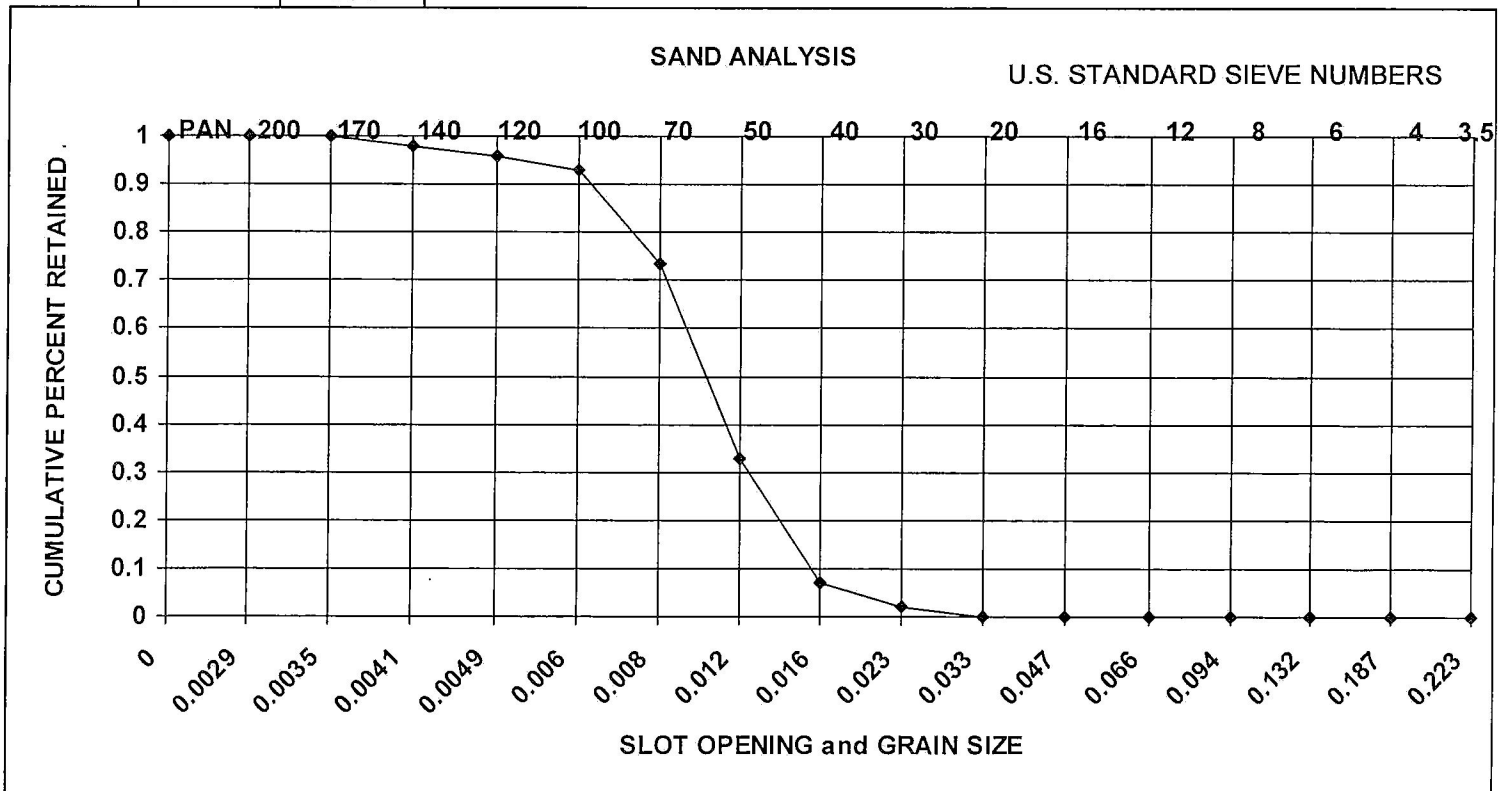
U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	2	2%	2%
40	0.016	5	5%	7%
50	0.012	26	26%	33%
70	0.008	41	41%	73%
100	0.006	20	20%	93%
120	0.0049	3	3%	96%
140	0.0041	2	2%	98%
170	0.0035	2	2%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		101		

Remarks

Depth (Beginning) 780 Depth (Ending) 790
 Uniformity Coefficient D60/D10 = 1.7873
 D60 = 0.0113 D10 = 0.0063
 50% Point 0.0103 5*50% Pt 0.0515
 Median Gravel Size 0.0515
 Calculated Gravel Pack x6
0.062 x4
0.041

	Slot	Gravel
Recommended	.020	12-20 (.066-.0331)
Recommended	.016	16-30 (.047-.023)

 Natural Development 40 % Retention
 Slot Recommendation 0.0113



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	0	0%	0%
40	0.016	3	3%	3%
50	0.012	15	15%	18%
70	0.008	40	41%	59%
100	0.006	34	35%	94%
120	0.0049	4	4%	98%
140	0.0041	2	2%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		98		

Remarks

Depth (Beginning) 790 Depth (Ending) 800

Uniformity Coefficient D60/D10 = 1.5875

D60 = 0.0099 D10 = 0.0062

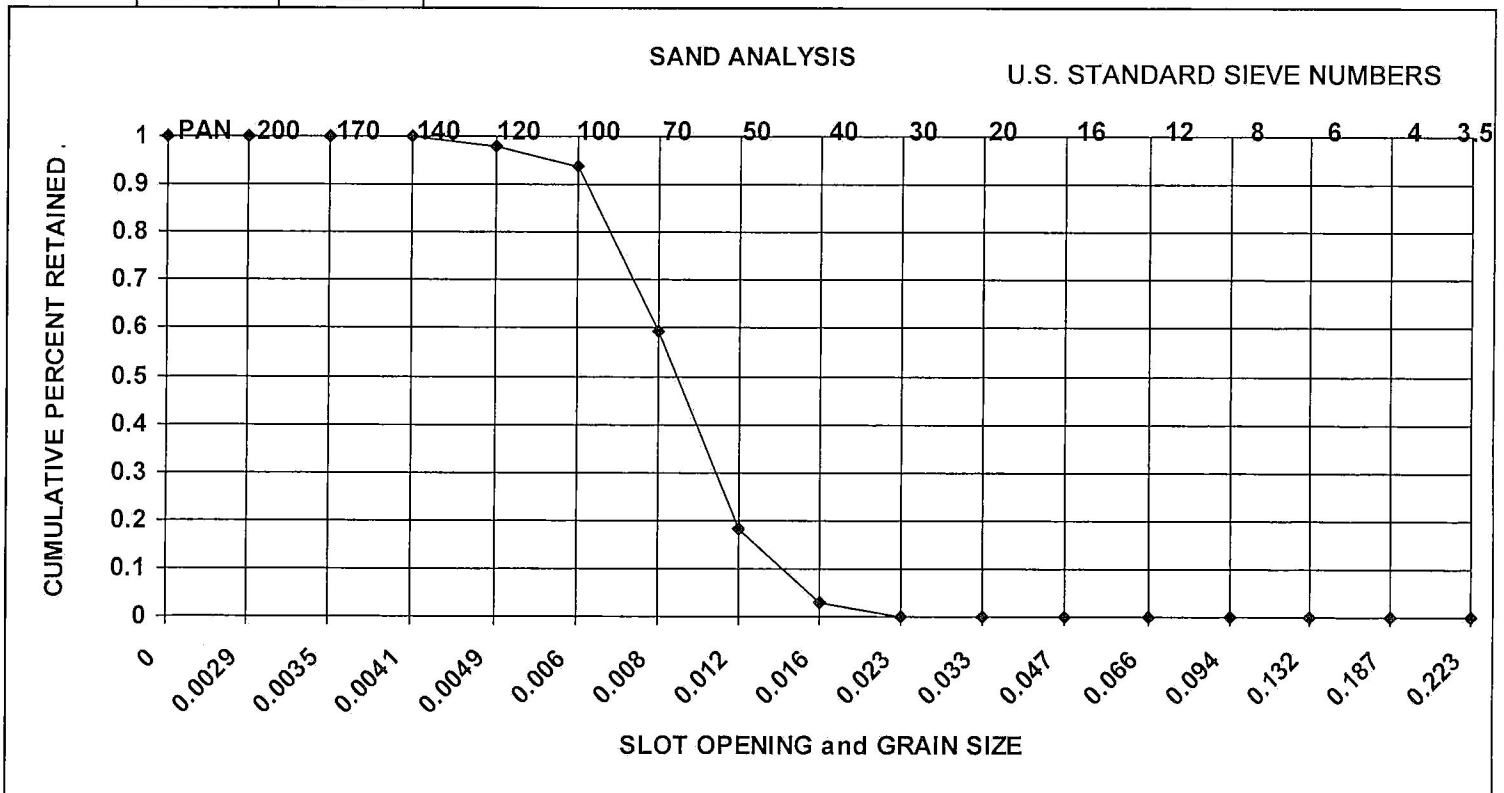
50% Point 0.0089 5*50% Pt 0.0445

Median Gravel Size 0.0445

Calculated Gravel Pack $\frac{x6}{0.053}$ $\frac{x4}{0.036}$

	Slot	Gravel
Recommended	.020	12-20 (.066-.0331)
Recommended	.016	16-30 (.047-.023)

Natural Development 40 % Retention
Slot Recommendation 0.0099



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	0	0%	0%
40	0.016	6	6%	6%
50	0.012	25	25%	31%
70	0.008	45	45%	75%
100	0.006	20	20%	95%
120	0.0049	3	3%	98%
140	0.0041	2	2%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		101		

Remarks

Depth (Beginning) 840 Depth (Ending) 850

Uniformity Coefficient D60/D10 = 1.715

D60 = 0.0112 D10 = 0.0065

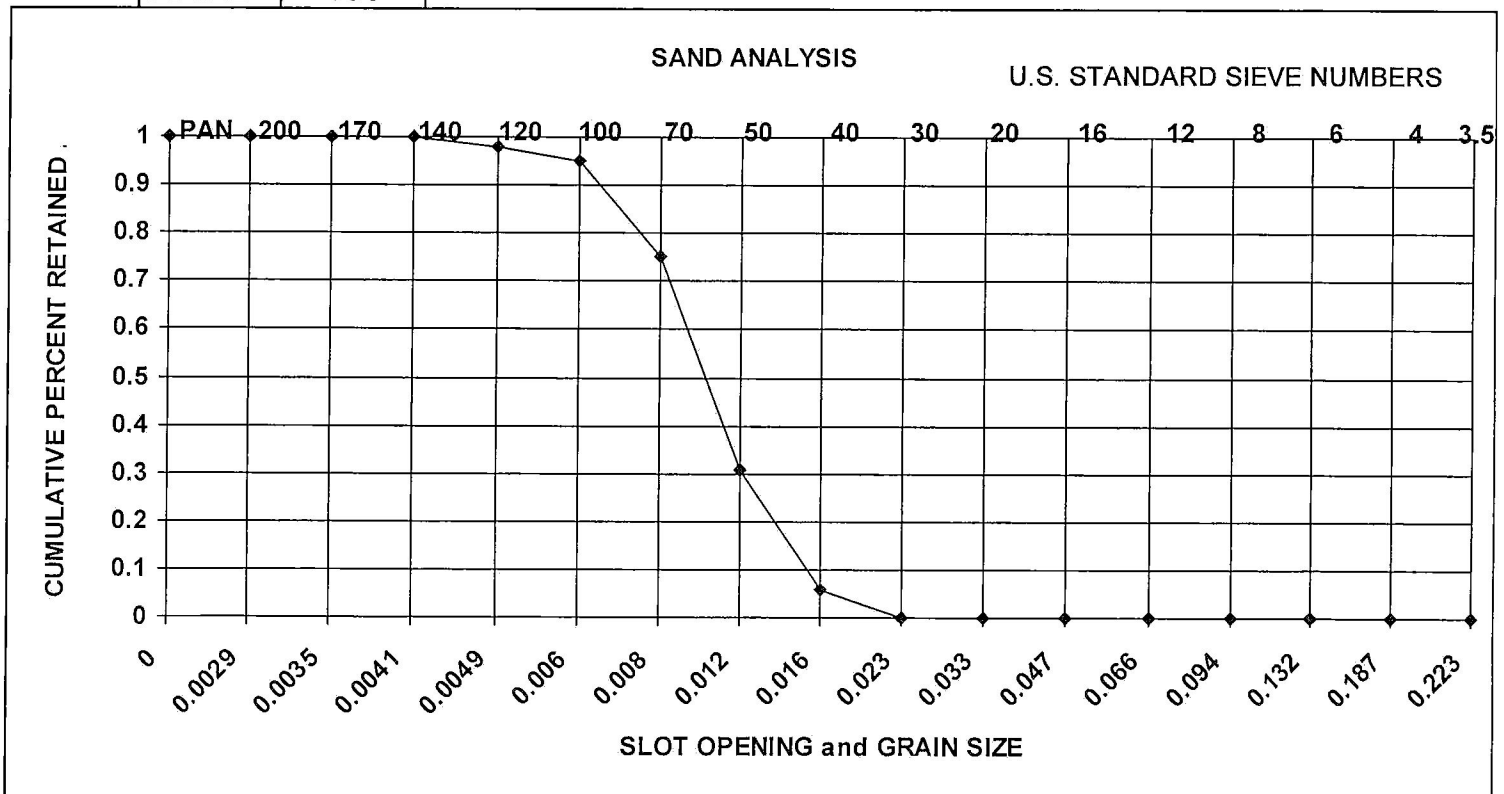
50% Point 0.0103 5*50% Pt 0.0513

Median Gravel Size 0.0513

Calculated Gravel Pack $\times 6$ 0.062 $\times 4$ 0.041

Recommended Slot .020 Gravel 12-20 (.066-.0331)

Natural Development 40 % Retention
Slot Recommendation 0.0112



Alloy Machine Works, Inc.
18102 E. Hardy Rd.
Houston, TX 77073

Date Run:
7/20/2021

Ph (800) 577-5068
Ph (281) 233-0214
Fax (281) 233-0487

Sold To: Holly Water Well
Address: 2928 State Highway 19
City, St Zip: Huntsville, TX

Ship To:
Address:
CSZ:
Contact:
Phone:
Fax:

Driller:
Engineer:
Well: DOS AQUA

U.S. SIEVE NO.	SLOT OPENING INCHES	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE RETENTION
3.5	0.223	0	0%	0%
4	0.187	0	0%	0%
6	0.132	0	0%	0%
8	0.094	0	0%	0%
12	0.066	0	0%	0%
16	0.047	0	0%	0%
20	0.033	0	0%	0%
30	0.023	0	0%	0%
40	0.016	7	7%	7%
50	0.012	22	22%	29%
70	0.008	44	44%	74%
100	0.006	21	21%	95%
120	0.0049	3	3%	98%
140	0.0041	2	2%	100%
170	0.0035	0	0%	100%
200	0.0029	0	0%	100%
PAN	0	0	0%	100%
TOTAL		99		

Remarks

Depth (Beginning) 850 Depth (Ending) 860

Uniformity Coefficient D60/D10 = 1.7067

D60 = 0.0110 D10 = 0.0065

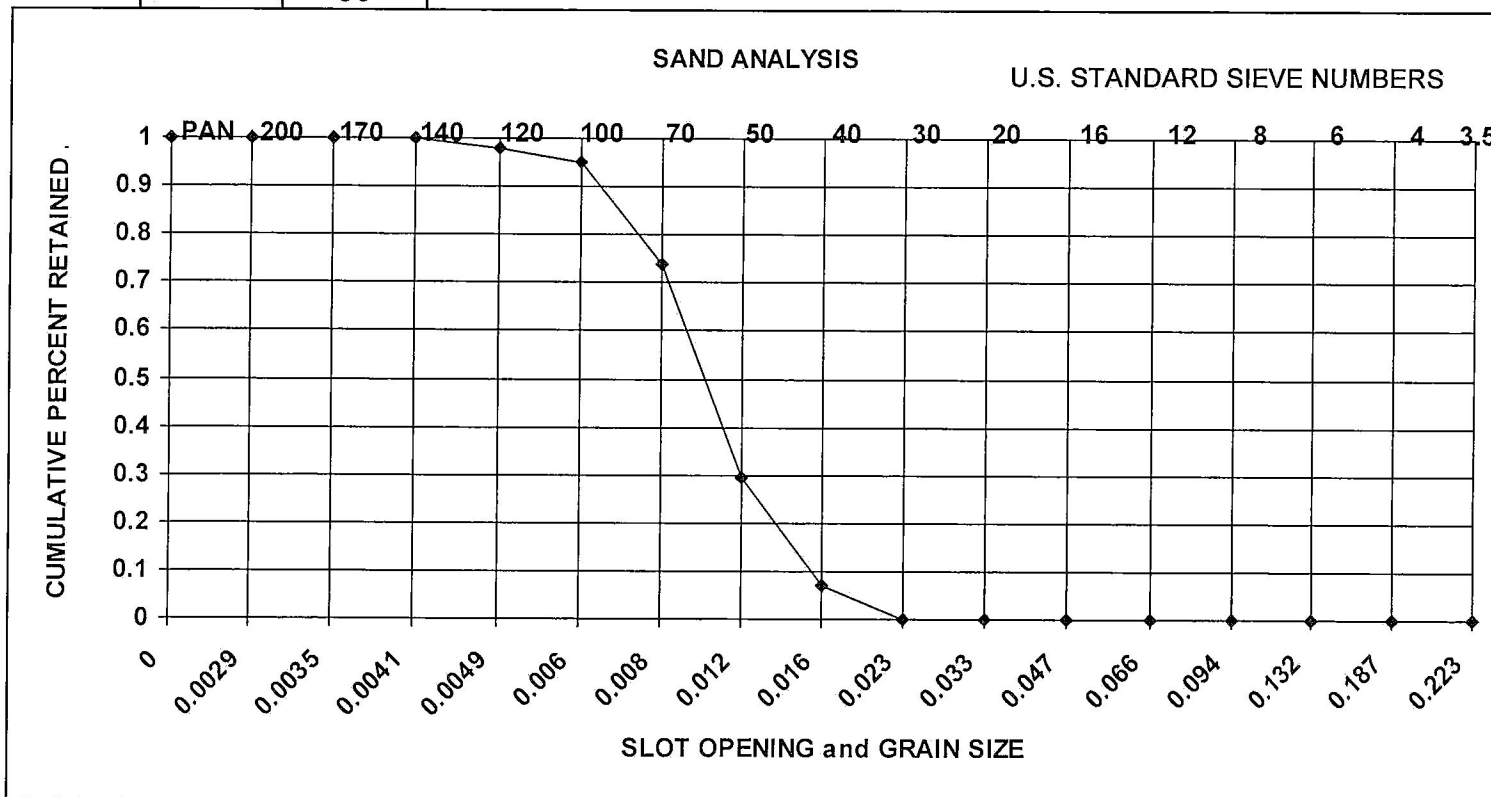
50% Point 0.0101 5*50% Pt 0.0507

Median Gravel Size 0.0507

Calculated Gravel Pack $\times 6$ 0.061 $\times 4$ 0.041

Recommended Slot Gravel
0.020 12-20 (.066-.0331)

Natural Development 40 % Retention
Slot Recommendation 0.0110



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021 11:52

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

<u>Report Name</u>	<u>Description</u>	<u>Pages</u>
981476_r02_01_ProjectSamples	Ana-Lab Project P:981476 C:HWW1 Project Sample Cross Reference t:304	1
981476_r03_03_ProjectResults	Ana-Lab Project P:981476 C:HWW1 Project Results t:304	4
981476_r10_05_ProjectQC	Ana-Lab Project P:981476 C:HWW1 Project Quality Control Groups	9
981476_r99_09_CoC__1_of_1	Ana-Lab CoC HWW1 981476_1_of_1	4
Total Pages:		18

Email: projectmanger@ana-lab.com



Report Page 1 of 19

SAMPLE CROSS REFERENCE

Project

981476

Printed

9/30/2021

Page 1 of 1
DW TRIPTICKET

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Sample	Sample ID	Taken	Time	Received
2024049	DOS AGUAS Well Short List	09/16/2021	11:50:00	09/17/2021

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 16 oz HNO3 Metals Plastic

Bottle 03 Prepared Bottle: ICP Preparation for Metals (Batch 973106) Volume: 50.00000 mL <== Derived from 02 (50 ml)

Bottle 04 Prepared Bottle: ICP Preparation for Metals (Batch 973106) Volume: 50.00000 mL <== Derived from 02 (50 ml)

Bottle 05 Prepared Bottle: ICP Preparation for Metals (Batch 973106) Volume: 50.00000 mL <== Derived from 02 (50 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	972853	09/20/2021	972853	09/20/2021
EPA 300.0 2.1	01	972376	09/17/2021	972376	09/17/2021
EPA 300.0 2.1	01	972378	09/17/2021	972378	09/17/2021
EPA 200.8 5.4	03	973106	09/23/2021	973913	09/28/2021
EPA 200.8 5.4	03	973106	09/23/2021	973697	09/27/2021
EPA 200.7 4.4	03	973106	09/23/2021	973984	09/29/2021
EPA 200.7 4.4	03	973106	09/23/2021	973863	09/28/2021
SM 2320 B-2011	01	973574	09/27/2021	973574	09/27/2021
SM 2540 C-2011	01	972911	09/21/2021	972911	09/21/2021
SM 4500-H+ B-2011		972130	09/16/2021	972130	09/16/2021

Email: projectmanger@ana-lab.com



Report Page 2 of 19

HWW1-G

Page 1 of 4

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed: 09/30/2021

RESULTS

Sample Results

2024049 DOS AGUAS Well Short List

Received: 09/17/2021

Drinking Water

Collected by: MRB

Ana-Lab

PO:

Taken: 09/16/2021

11:50:00

		Prepared:	09/30/2021	07:50:59	Calculated	09/30/2021	07:50:59	CAL
	Parameter	Results	Units	RL	Flags	CAS		Bottle
z	Calcium as CaCO3	174	mg/L	0.249				
	EPA 200.7 4.4	Prepared:	973106	09/23/2021	13:45:00	Analyzed	973863	09/28/2021
							17:23:00	JAB
	Parameter	Results	Units	RL	Flags	CAS		Bottle
NELAC	Iron, Total	0.134	mg/L	0.025		7439-89-6		03
	EPA 200.7 4.4	Prepared:	973106	09/23/2021	13:45:00	Analyzed	973984	09/29/2021
							09:02:00	ESG
	Parameter	Results	Units	RL	Flags	CAS		Bottle
z	Calcium	69.9	mg/L	0.100		7440-70-2		03
NELAC	Magnesium, Total	6.58	mg/L	0.025		7439-95-4		03
NELAC	Sodium	39.6	mg/L	0.500		7440-23-5		03
	EPA 200.8 5.4	Prepared:	973106	09/23/2021	13:45:00	Analyzed	973697	09/27/2021
							15:52:00	JAB
	Parameter	Results	Units	RL	Flags	CAS		Bottle
NELAC	Arsenic, Total	0.0027	mg/L	0.0005	B	7440-38-2		03
NELAC	Copper, Total	<0.0005	mg/L	0.0005		7440-50-8		03
NELAC	Lead, Total	<0.00025	mg/L	0.00025		7439-92-1		03
NELAC	Manganese, Total	0.0396	mg/L	0.001		7439-96-5		03
NELAC	Zinc, Total	0.050	mg/L	0.003		7440-66-6		03
	EPA 200.8 5.4	Prepared:	973106	09/23/2021	13:45:00	Analyzed	973913	09/28/2021
							21:02:00	JAB
	Parameter	Results	Units	RL	Flags	CAS		Bottle
NELAC	Aluminum, Total	0.0195	mg/L	0.005		7429-90-5		03
	EPA 300.0 2.1	Prepared:	972376	09/17/2021	16:21:00	Analyzed	972376	09/17/2021
							16:21:00	MDE
	Parameter	Results	Units	RL	Flags	CAS		Bottle



Report Page 3 of 19

HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project

981476

Printed: 09/30/2021

2024049 DOS AGUAS Well Short List

Received: 09/17/2021

Drinking Water

Collected by: MRB
Taken: 09/16/2021

Ana-Lab
11:50:00

PO:

EPA 300.0 2.1 Prepared: 972376 09/17/2021 16:21:00 Analyzed 972376 09/17/2021 16:21:00 MDE

Parameter	Results	Units	RL	Flags	CAS	Bottle
Fluoride	0.082	mg/L	0.100	J		01

EPA 300.0 2.1 Prepared: 972378 09/17/2021 16:21:00 Analyzed 972378 09/17/2021 16:21:00 MDE

Parameter	Results	Units	RL	Flags	CAS	Bottle
DW Nitrate-Nitrogen Total	0.788	mg/L	0.0304		14797-55-8	01
DW Nitrite-Nitrogen, Total	<0.020	mg/L	0.020			01

EPA 300.0 2.1 Prepared: 972853 09/20/2021 21:27:00 Analyzed 972853 09/20/2021 21:27:00 MDE

Parameter	Results	Units	RL	Flags	CAS	Bottle
Chloride	31.4	mg/L	3.00			01
Sulfate	12.9	mg/L	3.00			01

SM 2320 B-2011 Prepared: 973574 09/27/2021 08:00:00 Analyzed 973574 09/27/2021 08:00:00 API

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Alkalinity (as CaCO3)	195	mg/L	1.00			01

SM 2540 C-2011 Prepared: 972911 09/21/2021 08:45:00 Analyzed 972911 09/21/2021 08:45:00 PCH

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Dissolved Solids	276	mg/L	10.0			01

SM 4500-H+ B-2011 Prepared: 972130 09/16/2021 11:50:00 Analyzed 972130 09/16/2021 11:50:00 MRB

Parameter	Results	Units	RL	Flags	CAS	Bottle
pH (Onsite)	7.3	SU				

Sample Preparation

2024049 DOS AGUAS Well Short List

Received: 09/17/2021

09/16/2021



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project

981476

Printed: 09/30/2021

2024049 DOS AGUAS Well Short List

Received: 09/17/2021

09/16/2021

		Prepared:	09/17/2021	11:14:00	Analyzed	09/17/2021	11:14:00	CCP		
z	Bottle pH	<2	SU					02		
		Prepared:	09/20/2021	13:16:01	Calculated	09/20/2021	13:16:01	CAL		
z	Environmental Fee (per Project)	Verified								
	EPA 200.2 2.8	Prepared:	973106	09/23/2021	13:45:00	Analyzed	973106	09/23/2021	13:45:00	TES
z	Liquid Metals Digestion	50/50	ml						02	
	SM 2540 C-2011	Prepared:	972509	09/21/2021	08:45:00	Analyzed	972509	09/21/2021	08:45:00	PCH
NELAC	Total Dissolved Solids Started	Started								

2024051 TRIP TICKET

Received: 09/17/2021

09/16/2021

		Prepared:	09/20/2021	13:16:03	Calculated	09/20/2021	13:16:03	CAL
	Pickup/Sampling/Transport	Verified						



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project

981476

Printed: 09/30/2021

Qualifiers:

J - Analyte detected below quantitation limit

B - Analyte detected in the associated method blank

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAP.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Trey Peery, MA, Project Manager



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021

Analytical Set 972130

SM 4500-H+ B-2011

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
pH (Onsite)	2024049	7.3	7.3	SU		20

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	972130	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	972130	8.0	8.0	SU	100	90 - 110	

Analytical Set 972911

SM 2540 C-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	972911	ND	5.00	5.00	mg/L	122746022

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	972911	-0.0003			grams	122746009

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Dissolved Solids	2023831	132	138	mg/L	4.44	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Dissolved Solids	972911	192	200	mg/L	96.0	85.0 - 115	122746023

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Dissolved Solids		92.0	100	mg/L	92.0	90.0 - 110	122746010

Analytical Set 972376

EPA 300.0 2.1

AWRL/MRL C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Fluoride	0.102	0.100	mg/L	102	50.0 - 150	122734025

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Fluoride	972376	ND	0.0433	0.100	mg/L	122734024

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Fluoride	10.1	10.0	mg/L	101	90.0 - 110	122734021



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Fluoride	10.1	10.0	mg/L	101	90.0 - 110	122734041
Fluoride	10.3	10.0	mg/L	103	90.0 - 110	122734050

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Fluoride	972376	5.42	5.47	5.00	88.0 - 115	108	109	mg/L	0.918	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Fluoride	2023807	9.55	9.89	ND	10.0	80.0 - 120	95.5	98.9	mg/L	3.50	20.0
Fluoride	2023808	10.9	10.4	0.310	10.0	80.0 - 120	106	101	mg/L	4.84	20.0

Analytical Set 972378

EPA 300.0 2.1

AWRL/MRL C

Parameter	Reading	Known	Units	Recover%	Limits%	File
DW Nitrate-Nitrogen Total	0.0244	0.0226	mg/L	108	70.0 - 130	122734071

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
DW Nitrate-Nitrogen Total	972378	ND	0.00541	0.0304	mg/L	122734070

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
DW Nitrate-Nitrogen Total	2.27	2.26	mg/L	100	90.0 - 110	122734067
DW Nitrate-Nitrogen Total	2.27	2.26	mg/L	100	90.0 - 110	122734081
DW Nitrate-Nitrogen Total	2.32	2.26	mg/L	103	90.0 - 110	122734084

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
DW Nitrate-Nitrogen Total	972378	1.18	1.19	1.13	70.0 - 115	104	105	mg/L	0.844	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
DW Nitrate-Nitrogen Total	2023807	3.30	3.33	1.05	2.26	70.0 - 130	99.6	101	mg/L	1.32	30.0
DW Nitrate-Nitrogen Total	2023808	2.52	2.45	0.0564	2.26	70.0 - 130	109	106	mg/L	2.88	30.0

Analytical Set 972853

EPA 300.0 2.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	972853	ND	0.0385	0.300	mg/L	122745336
Sulfate	972853	ND	0.0871	0.100	mg/L	122745336

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.4	10.0	mg/L	104	90.0 - 110	122745333
Chloride	10.5	10.0	mg/L	105	90.0 - 110	122745348



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.5	10.0	mg/L	105	90.0 - 110	122745357
Sulfate	10.3	10.0	mg/L	103	90.0 - 110	122745333
Sulfate	10.3	10.0	mg/L	103	90.0 - 110	122745348
Sulfate	10.2	10.0	mg/L	102	90.0 - 110	122745357

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	972853	5.35	5.42	5.00	85.0 - 115	107	108	mg/L	1.30	20.0
Sulfate	972853	5.45	5.48	5.00	88.0 - 115	109	110	mg/L	0.549	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2022712	238	239	138	100	80.0 - 120	100	101	mg/L	0.995	20.0
Sulfate	2022712	280	277	175	100	80.0 - 120	105	102	mg/L	2.90	20.0
Chloride	2024366	197	197	146	50.0	80.0 - 120	102	102	mg/L	0	20.0
Sulfate	2024366	150	152	101	50.0	80.0 - 120	98.0	102	mg/L	4.00	20.0

Analytical Set

973697

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Aluminum, Total	973106	ND	0.00204	0.005	mg/L	122769101
Aluminum, Total	973106	ND	0.00204	0.005	mg/L	122769115
Arsenic, Total	973106	ND	0.000359	0.0005	mg/L	122769101
Arsenic, Total	973106	0.000928	0.000359	0.0005	mg/L	122769115
Copper, Total	973106	ND	0.0005	0.001	mg/L	122769101
Copper, Total	973106	ND	0.0005	0.001	mg/L	122769115
Lead, Total	973106	ND	0.00025	0.0005	mg/L	122769101
Lead, Total	973106	ND	0.00025	0.0005	mg/L	122769115
Manganese, Total	973106	ND	0.000105	0.001	mg/L	122769101
Manganese, Total	973106	ND	0.000105	0.001	mg/L	122769115
Zinc, Total	973106	ND	0.001	0.003	mg/L	122769101
Zinc, Total	973106	0.00112	0.001	0.003	mg/L	122769115

CCV

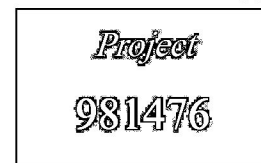
Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	122769114
Arsenic, Total	0.0507	0.05	mg/L	101	90.0 - 110	122769119
Arsenic, Total	0.051	0.05	mg/L	102	90.0 - 110	122769120
Arsenic, Total	0.0508	0.05	mg/L	102	90.0 - 110	122769121
Arsenic, Total	0.0504	0.05	mg/L	101	90.0 - 110	122769128
Arsenic, Total	0.0522	0.05	mg/L	104	90.0 - 110	122769138
Arsenic, Total	0.0522	0.05	mg/L	104	90.0 - 110	122769147
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	122769151
Arsenic, Total	0.0503	0.05	mg/L	101	90.0 - 110	122769155



QUALITY CONTROL

HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320



Printed 09/30/2021

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Arsenic, Total	0.0529	0.05	mg/L	106	90.0 - 110	122769165
Arsenic, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	122769176
Arsenic, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	122769186
Arsenic, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	122769193
Copper, Total	0.0504	0.05	mg/L	101	90.0 - 110	122769114
Copper, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	122769119
Copper, Total	0.049	0.05	mg/L	98.0	90.0 - 110	122769120
Copper, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	122769121
Copper, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	122769128
Copper, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	122769138
Copper, Total	0.0462	0.05	mg/L	92.4	90.0 - 110	122769147
Copper, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	122769151
Copper, Total	0.0465	0.05	mg/L	93.0	90.0 - 110	122769155
Copper, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	122769165
Copper, Total	0.0455	0.05	mg/L	91.0	90.0 - 110	122769176
Copper, Total	0.0459	0.05	mg/L	91.8	90.0 - 110	122769186
Copper, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	122769193
Copper, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	122769204
Copper, Total	0.047	0.05	mg/L	94.0	90.0 - 110	122769225
Copper, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	122769236
Copper, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	122769247
Copper, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	122769257
Copper, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	122769279
Copper, Total	0.048	0.05	mg/L	96.0	90.0 - 110	122769282
Lead, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	122769114
Lead, Total	0.050	0.05	mg/L	100	90.0 - 110	122769119
Lead, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	122769120
Lead, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	122769121
Lead, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	122769128
Lead, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	122769138
Lead, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	122769147
Lead, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	122769151
Lead, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	122769155
Lead, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	122769165
Lead, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	122769176
Lead, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	122769186
Lead, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	122769193
Lead, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	122769204
Lead, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	122769215
Lead, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	122769225
Lead, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	122769236
Lead, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	122769247
Lead, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	122769257



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project

981476

Printed 09/30/2021

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Lead, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	122769268
Lead, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	122769279
Lead, Total	0.049	0.05	mg/L	98.0	90.0 - 110	122769282
Manganese, Total	0.0523	0.05	mg/L	105	90.0 - 110	122769114
Manganese, Total	0.052	0.05	mg/L	104	90.0 - 110	122769119
Manganese, Total	0.0523	0.05	mg/L	105	90.0 - 110	122769120
Manganese, Total	0.0522	0.05	mg/L	104	90.0 - 110	122769121
Manganese, Total	0.0526	0.05	mg/L	105	90.0 - 110	122769128
Manganese, Total	0.0522	0.05	mg/L	104	90.0 - 110	122769138
Manganese, Total	0.0522	0.05	mg/L	104	90.0 - 110	122769147
Manganese, Total	0.0523	0.05	mg/L	105	90.0 - 110	122769151
Manganese, Total	0.0513	0.05	mg/L	103	90.0 - 110	122769155
Manganese, Total	0.0536	0.05	mg/L	107	90.0 - 110	122769165
Manganese, Total	0.0518	0.05	mg/L	104	90.0 - 110	122769176
Manganese, Total	0.0527	0.05	mg/L	105	90.0 - 110	122769186
Zinc, Total	0.0501	0.05	mg/L	100	90.0 - 110	122769114
Zinc, Total	0.0507	0.05	mg/L	101	90.0 - 110	122769120
Zinc, Total	0.0509	0.05	mg/L	102	90.0 - 110	122769121
Zinc, Total	0.0507	0.05	mg/L	101	90.0 - 110	122769128
Zinc, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	122769138
Zinc, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	122769147
Zinc, Total	0.050	0.05	mg/L	100	90.0 - 110	122769151
Zinc, Total	0.0471	0.05	mg/L	94.2	90.0 - 110	122769155
Zinc, Total	0.0509	0.05	mg/L	102	90.0 - 110	122769165
Zinc, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	122769176
Zinc, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	122769186
Zinc, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	122769193

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Arsenic, Total	0.048	0.05	mg/L	96.0	90.0 - 110	122769108
Copper, Total	0.050	0.05	mg/L	100	90.0 - 110	122769108
Lead, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	122769108
Manganese, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	122769108
Zinc, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	122769108

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Aluminum, Total	973106	0.533	0.536	0.500	85.0 - 115	107	107	mg/L	0.561	20.0
Arsenic, Total	973106	0.489	0.489	0.500	85.0 - 115	97.8	97.8	mg/L	0	20.0
Copper, Total	973106	0.494	0.490	0.500	85.0 - 115	98.8	98.0	mg/L	0.813	20.0
Lead, Total	973106	0.517	0.527	0.500	85.0 - 115	103	105	mg/L	1.92	20.0
Manganese, Total	973106	0.539	0.547	0.500	85.0 - 115	108	109	mg/L	1.47	20.0
Zinc, Total	973106	0.509	0.506	0.500	85.0 - 115	102	101	mg/L	0.591	20.0



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	10.4	10	mg/L	104	90.0 - 110	122769112
Arsenic, Total	10.7	10	mg/L	107	90.0 - 110	122769112
Copper, Total	10.4	10	mg/L	104	90.0 - 110	122769112
Lead, Total	10.5	10	mg/L	105	90.0 - 110	122769112
Manganese, Total	10.7	10	mg/L	107	90.0 - 110	122769112
Zinc, Total	10.8	10	mg/L	108	90.0 - 110	122769112

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.000647	0.001	mg/L	64.7	25.0 - 175	122769109
Lead, Total	0.000979	0.001	mg/L	97.9	25.0 - 175	122769109
Manganese, Total	0.00106	0.001	mg/L	106	25.0 - 175	122769109

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2024049	0.547	0.549	0.0179	0.500	70.0 - 130	106	106	mg/L	0.377	20.0
Arsenic, Total	2024049	0.499	0.499	0.0027	0.500	70.0 - 130	99.3	99.3	mg/L	0	20.0
Copper, Total	2024049	0.484	0.497	ND	0.500	70.0 - 130	96.8	99.4	mg/L	2.65	20.0
Lead, Total	2024049	0.516	0.511	ND	0.500	70.0 - 130	103	102	mg/L	0.974	20.0
Manganese, Total	2024049	0.574	0.579	0.0396	0.500	70.0 - 130	107	108	mg/L	0.931	20.0
Zinc, Total	2024049	0.553	0.563	0.050	0.500	70.0 - 130	101	103	mg/L	1.97	20.0
Aluminum, Total	2024701	0.541	0.542	0.00863	0.500	70.0 - 130	106	107	mg/L	0.188	20.0
Arsenic, Total	2024701	0.486	0.483	0.00137	0.500	70.0 - 130	96.9	96.3	mg/L	0.621	20.0
Copper, Total	2024701	0.463	0.466	0.000595	0.500	70.0 - 130	92.5	93.1	mg/L	0.647	20.0
Lead, Total	2024701	0.477	0.481	ND	0.500	70.0 - 130	95.4	96.2	mg/L	0.835	20.0
Manganese, Total	2024701	0.518	0.528	0.00241	0.500	70.0 - 130	103	105	mg/L	1.92	20.0
Zinc, Total	2024701	0.480	0.481	0.00565	0.500	70.0 - 130	94.9	95.1	mg/L	0.211	20.0

Analytical Set

973863

EPA 200.7 4.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Iron, Total	973106	ND	0.00379	0.025	mg/L	122772469

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Iron, Total	2.60	2.50	mg/L	104	90.0 - 110	122772468
Iron, Total	2.62	2.50	mg/L	105	90.0 - 110	122772477

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Iron, Total	4.76	5.00	mg/L	95.2	95.0 - 105	122772461

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Iron, Total	2.55	2.50	mg/L	102	90.0 - 110	122772465



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Iron, Total	973106	0.541	0.563	0.500	85.0 - 115	108	113	mg/L	3.99	25.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Iron, Total	9.37	10.0	mg/L	93.7	90.0 - 110	122772462

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Iron, Total	0.0523	0.050	mg/L	105	25.0 - 175	122772467

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Iron, Total	2024049	0.673	0.678	0.134	0.500	75.0 - 125	108	109	mg/L	0.923	25.0

Analytical Set

973913

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	973106	0.00208	0.00204	0.005	mg/L	122774235
Manganese, Total	973106	ND	0.000105	0.001	mg/L	122774235

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	122774185
Aluminum, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	122774194
Aluminum, Total	0.049	0.05	mg/L	98.0	90.0 - 110	122774202
Aluminum, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	122774212
Aluminum, Total	0.0503	0.05	mg/L	101	90.0 - 110	122774229
Aluminum, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	122774238
Aluminum, Total	0.0502	0.05	mg/L	100	90.0 - 110	122774245

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0505	0.05	mg/L	101	90.0 - 110	122774177

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	973106	0.509	0.513	0.500	85.0 - 115	102	103	mg/L	0.783	20.0
Manganese, Total	973106	0.522	0.531	0.500	85.0 - 115	104	106	mg/L	1.71	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2024049	0.494	0.509	0.0195	0.500	70.0 - 130	94.9	97.9	mg/L	3.11	20.0
Manganese, Total	2024049	0.550	0.563	0.0385	0.500	70.0 - 130	102	105	mg/L	2.51	20.0

Analytical Set

973984

EPA 200.7 4.4



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Calcium	973106	ND	0.0132	0.100	mg/L	122775485
Iron, Total	973106	ND	0.00524	0.025	mg/L	122775485
Magnesium, Total	973106	ND	0.00267	0.025	mg/L	122775485
Sodium	973106	ND	0.0973	0.500	mg/L	122775485

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium	26.6	25.0	mg/L	106	90.0 - 110	122775484
Calcium	26.4	25.0	mg/L	106	90.0 - 110	122775493
Calcium	26.4	25.0	mg/L	106	90.0 - 110	122775501
Calcium	26.3	25.0	mg/L	105	90.0 - 110	122775503
Magnesium, Total	26.3	25.0	mg/L	105	90.0 - 110	122775484
Magnesium, Total	26.1	25.0	mg/L	104	90.0 - 110	122775493
Magnesium, Total	26.1	25.0	mg/L	104	90.0 - 110	122775501
Sodium	25.3	25.0	mg/L	101	90.0 - 110	122775484
Sodium	25.7	25.0	mg/L	103	90.0 - 110	122775493
Sodium	25.4	25.0	mg/L	102	90.0 - 110	122775501
Sodium	25.3	25.0	mg/L	101	90.0 - 110	122775503
Sodium	25.3	25.0	mg/L	101	90.0 - 110	122775511

ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium	49.5	50.0	mg/L	99.0	95.0 - 105	122775480
Magnesium, Total	49.1	50.0	mg/L	98.2	95.0 - 105	122775480
Sodium	50.2	50.0	mg/L	100	95.0 - 105	122775480

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium	25.8	25.0	mg/L	103	90.0 - 110	122775482
Magnesium, Total	25.4	25.0	mg/L	102	90.0 - 110	122775482
Sodium	25.0	25.0	mg/L	100	90.0 - 110	122775482

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Calcium	973106	5.08	5.12	5.00	85.0 - 115	102	102	mg/L	0.784	25.0
Iron, Total	973106	0.517	0.545	0.500	85.0 - 115	103	109	mg/L	5.27	25.0
Magnesium, Total	973106	5.15	5.27	5.00	85.0 - 115	103	105	mg/L	2.30	25.0
Sodium	973106	5.10	5.15	5.00	85.0 - 115	102	103	mg/L	0.976	25.0

LDR

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium	96.2	100	mg/L	96.2	90.0 - 110	122775481
Iron, Total	9.64	10.0	mg/L	96.4	90.0 - 110	122775481
Magnesium, Total	97.5	100	mg/L	97.5	90.0 - 110	122775481
Sodium	108	100	mg/L	108	90.0 - 110	122775481



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981476

Printed 09/30/2021

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium	0.550	0.500	mg/L	110	25.0 - 175	122775483
Sodium	0.472	0.500	mg/L	94.4	25.0 - 175	122775483

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Calcium	2024049	75.2	75.3	69.9	5.00	75.0 - 125	106	108	mg/L	1.87	25.0
Iron, Total	2024049	0.653	0.658	0.128	0.500	75.0 - 125	105	106	mg/L	0.948	25.0
Magnesium, Total	2024049	11.4	11.4	6.58	5.00	75.0 - 125	96.4	96.4	mg/L	0	25.0
Sodium	2024049	44.8	44.8	39.6	5.00	75.0 - 125	104	104	mg/L	0	25.0
Calcium	2024701	18.5	18.1	13.8	5.00	75.0 - 125	94.0	86.0	mg/L	8.89	25.0
Iron, Total	2024701	0.528	0.535	0.586	0.500	75.0 - 125	-11.6 *	-10.2 *	mg/L	1.32	25.0
Magnesium, Total	2024701	7.90	7.81	2.63	5.00	75.0 - 125	105	104	mg/L	1.72	25.0
Sodium	2024701	341	320	326	5.00	75.0 - 125	300 *	-120 *	mg/L	467 *	25.0

Analytical Set 973574

SM 2320 B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Alkalinity (as CaCO3)	973574	ND	1.00	1.00	mg/L	122764553

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO3)	25.0	25.0	mg/L	100	90.0 - 110	122764552
Total Alkalinity (as CaCO3)	25.5	25.0	mg/L	102	90.0 - 110	122764566
Total Alkalinity (as CaCO3)	25.0	25.0	mg/L	100	90.0 - 110	122764579

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Alkalinity (as CaCO3)	2023944	37.5	35.0	mg/L	6.90	20.0
Total Alkalinity (as CaCO3)	2024701	403	401	mg/L	0.498	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO3)	25.0	25.0	mg/L	100	90.0 - 110	122764551

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Alkalinity (as CaCO3)	2023944	61.1	35.0	25.0	mg/L	104	70.0 - 130	122764556
Total Alkalinity (as CaCO3)	2024701	422	401	25.0	mg/L	84.0	70.0 - 130	122764569

* Out RPD is Relative Percent Difference: $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

CCV - Continuing Calibration Verification; Blank - Method Blank; AWRL/MRL C - Ambient Water Reporting Limit/Minimum Reporting Limit Check Std; LCS - Laboratory Control Sample; ICV - Initial Calibration Verification; LDR - Linear Dynamic Range Standard; MRL Check - Minimum Reporting Limit Check Std



981476 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
 R: 3306 State Highway 135 N, Kilgore, TX 75662
 Office: 903-984-0551 * Fax: 903-984-5914



CHAIN OF CUSTODY

Printed 09/15/2021

Page 1 of 2

Holly Water Wells
 Linda Woods
 2928 SH 19
 Huntsville, TX 77320

HW1-G-4
 180

Lab Number 2024049
 PO Number _____
 Phone 936/295-6098

Dos Aguas Well Short List

Matrix: Drinking Water

Sample Collection Start

Date: 9/16/21 Time: 1150

Sampler Printed Name: Matt Brockelman Ana-Lab Corp

Sampler Affiliation: _____

Sampler Signature: [Signature]

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ On Site Testing

z Short Hold pH pH (Onsite) SM 4500-H+ B-2011 (0.0104 days)

pH (Onsite) Quality Control

Collected By MRB Date 9/16 Time 1150 Analyzed By MRB Date 9/16 Time 1150
 Results 7.29 Units SC Temp. 16 C Duplicate 7.29 Units SC Temp. 16 C

☒ HNO3 to pH <2 Polyethylene 500 mL for Metals

NELAC	*AlM	Aluminum, Total	EPA 200.8 5.4 CAS:7429-90-5 (180 days)
NELAC	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
z	*CaI	Calcium	EPA 200.7 4.4 CAS:7440-70-2 (180 days)
NELAC	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
NELAC	*FeI	Iron, Total	EPA 200.7 4.4 CAS:7439-89-6 (180 days)
NELAC	*MgI	Magnesium, Total	EPA 200.7 4.4 CAS:7439-95-4 (180 days)
NELAC	*MnM	Manganese, Total	EPA 200.8 5.4 CAS:7439-96-5 (180 days)
NELAC	*NaI	Sodium	EPA 200.7 4.4 CAS:7440-23-5 (180 days)
NELAC	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
NELAC	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)



981476 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
 R: 3306 State Highway 135 N, Kilgore, TX 75662
 Office: 903-984-0551 * Fax: 903-984-5914



CHAIN OF CUSTODY

Printed 09/15/2021

Page 2 of 2

Holly Water Wells
 Linda Woods
 2928 SH 19
 Huntsville, TX 77320

HW1-G-4
180

1 Polyethylene 1/2 gal (White)

NELAC	ICIL	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	IFIL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	IN2W	DW Nitrite-Nitrogen, Total	EPA 300.0 2.1 (2.00 days)
NELAC Short Hold	IN3W	DW Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	IS4L	Sulfate	EPA 300.0 2.1 (28.0 days)
z	AlkT	Total Alkalinity (as CaCO ₃)	SM 2320 B-2011 (14.0 days)
	CaC3	Calcium as CaCO ₃	
NELAC	TDS	Total Dissolved Solids	SM 2540 C-2011 (7.00 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
9/16/21	1700	Printed Name: Matt Brockelman Signature: [Signature] Affiliation: Ana-Lab Corp.	Printed Name: LSO Signature: [Signature] Affiliation:
9/17/21	0900	Printed Name: LSO Signature: [Signature] Affiliation:	Printed Name: Rayshawn Thompson Signature: [Signature] Affiliation: Ana-Lab
		Printed Name: [Blank] Signature: [Blank] Affiliation:	Printed Name: [Blank] Signature: [Blank] Affiliation:
		Printed Name: [Blank] Signature: [Blank] Affiliation:	Printed Name: [Blank] Signature: [Blank] Affiliation:

Sample Received on Ice? ☒ Yes ☐ No Method of Shipment: ☐ UPS ☐ Bus ☐ FedEx ☒ Lone Star ☐ Hand Delivered ☐ Other
 Cooler/Sample Secure? ☒ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP # 000323.

Comments



981476 CoC Print Group 001 of 001



TRIP TICKET

2024051

DATE: 9/16/21

CLIENT CODE: HWW1

PROJECT NUMBER: _____



Sampling



Pickup Only

TIME:

Beginning: _____ Ending: _____

TOTAL: 2.5 Hrs X Rate (80/Mile) = \$ 200
Hour

MILEAGE:

Beginning: _____ Ending: _____

TOTAL: _____ X Rate(_____/Mile) = _____

TOTAL TO BILL: \$ 200

NOTES / OTHER:

DOS Aguas

SAMPLERS NAME: MRB

Login Use Only: _____ Logged: _____ Scanned: _____

PO BOX 9000 – Kilgore, TX 75663-9000 / 903-984-0551 / FAX: 903-984-5914

Analytical Chemistry - Utility Operations

Revised By: TAC Authorized By: TWV Date: 1/8/2021

981476 CoC Print Group 001 of 001

Page 2 of 8



Airbill No. Z1005H8X

LSO
1-800-800-8984
www.lso.com

SHIP TO:
LOGIN
ANA-LAB CORPORATION
2600 DUDLEY RD
KILGORE, TX 75662
9039840551

From:
MATT BROCKELMAN
ANA-LAB CORPORATION
4141 DIRECTORS ROW
SUITE C
HOUSTON, TX 77092
7138824654

B GGG**LSO PRIORITY NEXT DAY**
10:30 IN MOST CITIES
LATER IN REMOTE CITIES

PRINT DATE: 9/13/2021
QUICKCODE: CORP
REF 1: 1D00V.0000 REF 2:

9/17 0920 CP
Date Time Tech
Temp: 1.6 11.6 C

Therm#: 6093 Corr Fact: 0.0 C

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned.
Shipping Instructions

1. Fold this page along the horizontal line above.
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
3. To locate a drop box near you, click on **Find A Drop Box** from the home page main menu.
4. To schedule a pickup, click on **Request Pickup**.

WARNING: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your Lone Star Overnight account number. This label is valid for use for 3 months from the date printed. Use of expired labels may result in delayed billing and / or additional research charges. LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.

STATE OF TEXAS WELL REPORT for Tracking #585438

Owner:	Dos Aguas, LLC	Owner Well #:	No Data
Address:	455 FM 2296 Huntsville, TX 77340	Grid #:	60-37-3
Well Location:	10705 Ruger Rd Willis, TX 77378	Latitude:	30° 28' 43.06" N
Well County:	Montgomery	Longitude:	095° 23' 24.43" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Public Supply

Drilling Start Date: 6/28/2021

Drilling End Date: 9/30/2021

Plans Approved by TCEQ - YES

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	16.75	0	700
	16	700	870

Drilling Method: Mud (Hydraulic) Rotary

Borehole Completion: Filter Packed; two piece; Under-reamed

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	640	870	Gravel	12/20

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	700	Cement 291 Bags/Sacks

Seal Method: Pressure

Distance to Property Line (ft.): No Data

Sealed By: Advanced Cementing
Services, Inc.

Distance to Septic Field or other
concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: No Data

Surface Completion: Surface Slab Installed

Surface Completion by Driller

Water Level: 342 ft. below land surface on No Data

Packers: No Data

Type of Pump: Submersible

Pump Depth (ft.): 593

Well Tests: Pump Yield: 200 GPM with 71 ft. drawdown after 36 hours

	Strata Depth (ft.)	Water Type
Water Quality:	700 - 780	No Data
	840 - 860	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious 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 report(s) being returned for completion and resubmittal.

Company Information: **Holly Water Wells**
2928 State Hwy 19
Huntsville, TX

Driller Name: **Matt Davis** License Number: **60340**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description	D/a (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
0	220	tan & white clay	12	Blank	New Steel		-2	700
220	230	sand	8	Blank	New Steel		640	700
230	280	tan clay			New Pipe			
280	300	sand	8	Screen	Base Stainless Steel	20	700	780
300	400	tan & gray clay						
400	460	sand	8	Blank	New Steel		780	840
460	500	sand clay streaks			New Pipe			
500	700	tan & gray clay	8	Screen	Base Stainless Steel	20	840	860
700	780	sand						
780	840	gray clay	8	Blank	New Steel		860	870
840	860	sand						
860	900	gray clay						

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 on your written request.

**Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540**

WARRANTY DEED

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY 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.

Date: March 8th 2021

Grantor: **REPUBLIC GRAND RANCH, LLC**

Grantor's Mailing Address: 1015A West SH 150
New Waverly, TX 77358

Grantee: **DOS AGUAS, LLC**

Grantee's Mailing Address: 455 FM 2296
Huntsville, TX 77340

Consideration:

TEN AND NO/100 DOLLARDS (\$10.00) and other valuable considerations.

Property (including any improvements):

Being 4.00 acres of land, situated in the JOSE MARIA DE LA GARZA GRANT, Abstract No. 15, Montgomery County, Texas and being out of a called 4,818.84 acre tract of land described in a Special Warranty Deed with Vendor's Lien dated December 06, 2019 from Atakapa, LLC to Republic Grand Ranch, LLC recorded under Clerk's File No. 2019113827, Official Public Records, Montgomery County, Texas (MCOPR), said 4.00 acres being more definitely described by metes and bounds in Exhibit A and shown on the Plat in Exhibit B attached hereto;

TOGETHER with a twenty (20) foot wide access easement for ingress and egress to and from the property, as described in Exhibit C attached hereto and made a part hereof for all purposes, UNTIL public roadways have been built and dedicated to the public per future subdivision plat, at which time this easement will be null and void as the 4.00 acres described herein will have proper public road frontage;

TOGETHER with Texas Commission on Environmental Quality, Sanitary Control Easements, South Well 1A and 1B, recorded respectively under Clerk's File No. 2020095332 and Clerk's File No. 2020095333, MCOPR.

Reservations from and Exceptions to Conveyance and Warranty:

1. all reservations, covenants, conditions, restrictions, building set-backs lines, easements and rights-of-way, if any, of record in the office of the County Clerk of Montgomery County, Texas, that affect the Property;
2. all mineral severances, mineral reservations, royalty reservations and mineral leases, if any, of record in the office of the County Clerk of Montgomery County, Texas, that affect the Property;
3. all laws, ordinances and regulations of the United States of America and of the State of Texas, or any political subdivision thereof, including, but not limited to, those of any county, city, village and or governmental district that affect the Property;

Grantor, for the Consideration and subject to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty, grants, sells, and conveys to Grantee the Property, together with all and singular the rights and appurtenances thereto in any way belonging, to have and to hold it to Grantee and Grantee's heirs, successors, and assigns forever. Grantor binds Grantor and Grantor's heirs and successors to warrant and forever defend all and singular the Property to Grantee and Grantee's heirs, successors and assigns against every person whomsoever lawfully claiming or to claim the same or any part

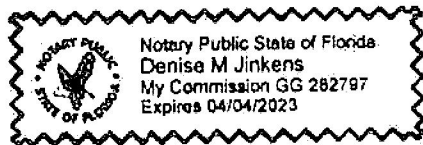
thereof, except as to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty.

EXECUTED this 8th day of March 2021.

Thomas Gajda
Thomas Gajda, Authorized Agent

THE STATE OF ~~TEXAS~~ Florida §
COUNTY OF ~~MONTGOMERY~~ Collier §

March, 2021, by Thomas Gajda. This instrument was acknowledged before me on the 8th day of



Denise M. Jinkens
NOTARY PUBLIC in and for
The State of ~~Texas~~ Florida

METES AND BOUNDS DESCRIPTION
4.00 ACRES IN THE JOSE MARIA DE LA GARZA GRANT, A-15
MONTGOMERY COUNTY, TX

I, the undersigned Michael A. Namken, Registered Professional Land Surveyor No. 6533, do hereby certify that the following field notes represent a survey made on the ground of the following described tract or parcel of land located in Montgomery County, Texas. All Bearings, Distances and Acreages herein are Grid and referenced to the Texas State Plane Coordinate System, Central Zone (4203), NAD 83. Distances can be converted to geodetic horizontal (surface) by dividing by a Combined scale factor of 0.9999076.

Being 4.00 acres of land, situated in the JOSE MARIA DE LA GARZA GRANT, Abstract No. 15, Montgomery County, Texas and being out of a called 4,818.84 acre tract of land described in a Special Warranty Deed with Vendor's Lien dated December 06, 2019 from Atakapa, LLC to Republic Grand Ranch, LLC recorded under Clerk's File No. 2019113827, Official Public Records, Montgomery County, Texas (MCOPR), said 4.00 acres (this tract) being more definitely described by metes and bounds as follows:

COMMENCING at a 1/2 inch iron rod with cap (MADDUX, 4513) at the most westerly northwest corner of the said 4,818.84 acre Republic Grand Ranch, LLC Tract, the southwest corner of a called 2.556 acre tract described in a Deed to Douglas Carr and Pamela Carr recorded under Clerk's File Number 2003019872, MCOPR and in the east line of Farm to Market Road No. 1097 (FM 1097) as described in a Deed to the State Highway Commission recorded in Vol. 295, pg. 450, MCOPR;

THENCE N 87°15'01" W, a distance of **4680.31 feet**, set a 5/8 inch iron rod with cap (NAMKEN RPLS 6533) at the northwest corner and the **POINT OF BEGINNING** of this tract, in the north line of the said 4,818.84 acre Republic Grand Ranch, LLC Tract;

THENCE N 87°20'44" E, a distance of **56.25 feet** with the following boundary lines:

- the north line of this tract,
- a southerly north line of the said 4,818.84 acre Republic Grand Ranch, LLC Tract,
- in the south line of a called 111.52 acre tract described in a Deed to Michael Bradley Smith, recorded under Clerk's File Number 2008003895, MCOPR,

to a 5/8 inch iron rod with cap (NAMKEN, RPLS 6533) set for corner of the following tracts:

- the northeast corner of this tract,
- from which a 1 inch iron pipe (bent) found for the northwest corner of a called 33.517 acre tract of land described in a Deed to Earl Everett Massey, recorded under Clerk's File Number 2013022286, MCOPR and in the south line of the said 111.52 acre Smith Tract, bears N87°20'44"E-932.33 feet;

THENCE S 43°00'31" E, within the said 4,818.84 acre Republic Grand Ranch, LLC Tract, a distance of **574.06 feet**, to a 5/8 inch iron rod with cap (NAMKEN RPLS 6533) set for corner;

THENCE S 42°58'15" W, continuing within the said 4,818.84 acre Republic Grand Ranch, LLC Tract, a distance of **273.34 feet**, to a 5/8 inch iron rod with cap (NAMKEN RPLS 6533) set for corner;

THENCE continuing within the said 4,818.84 acre Republic Grand Ranch, LLC Tract, with a curve to the right having an arc length of **32.26 feet**, a radius of **25.00 feet**, a chord bearing of **S 79°56'18" W** and a chord length of **30.07 feet**, to a 5/8 inch iron rod with cap (NAMKEN RPLS 6533) set for corner;

THENCE continuing within the said 4,818.84 acre Republic Grand Ranch, LLC Tract, with a curve to the left having an **arc length of 270.01 feet**, a **radius of 830.00 feet**, a **chord bearing of N 72°24'49" W** and a **chord length of 268.82 feet**, to a 5/8 inch iron rod with cap (NAMKEN RPLS 6533) set for corner;

THENCE N 02°34'57" E, continuing within the said 4,818.84 acre Republic Grand Ranch, LLC Tract, a distance of **541.76 feet** to the **PLACE OF BEGINNING**.

Containing 4.00 acres of land

Surveyed —APRIL, 2020

Notes:

- (1) All set iron rods are 5/8" capped with a 1-3/4" diameter plastic cap, blue in color, stamped "Michael A. Namken RPLS 6533".
- (2) This metes and bounds description is accompanied by a plat, prepared on even date herewith.

Signed:

Michael A. Namken 4-14-20

Michael A. Namken

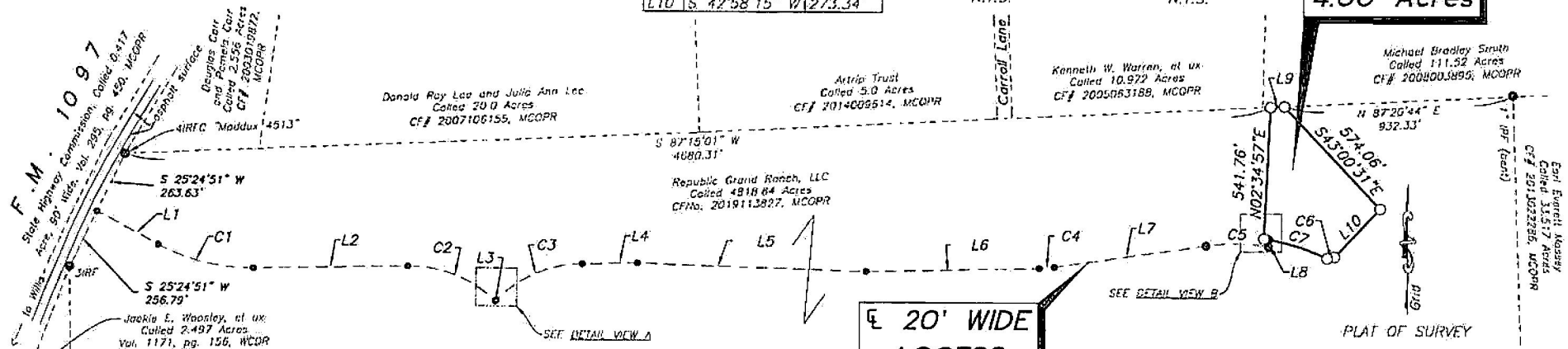
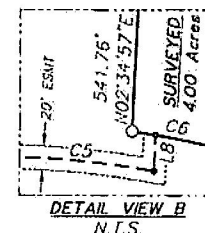
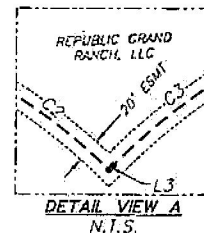
RPLS # 6533



EXHIBIT A, pg 2 of 2

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH	DELTA ANGLE
C1	409.40'	800.00'	S 76°39'49" E	404.95'	29°19'17"
C2	395.55'	500.00'	S 68°39'39" E	385.32'	45°19'37"
C3	390.51'	499.77'	N 66°17'46" E	380.65'	44°46'09"
C4	61.49'	500.00'	N 85°09'09" E	61.45'	7°02'47"
C5	255.43'	800.00'	S 89°13'26" E	254.34'	18°17'37"
C6	32.26'	25.00'	S 79°56'16" W	30.07'	7°35'07"
C7	270.01'	830.00'	N 72°24'49" W	268.82'	18°38'20"

LINE	BEARING	DISTANCE
L1	S 62°00'10" E	287.81'
L2	N 88°40'32" E	628.46'
L3	N 44°23'30" E	5.07'
L4	N 88°40'52" E	224.43'
L5	S 88°15'00" E	932.30'
L6	N 88°40'32" E	705.49'
L7	N 81°37'46" E	624.29'
L8	N 02°34'57" E	30.24'
L9	N 87°20'44" E	56.25'
L10	S 42°58'15" W	273.34'

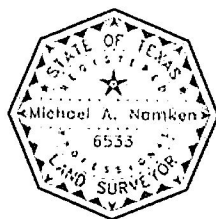


LEGEND

- Found Iron Rod or Iron Pipe (IP), size and type as noted
- Point for Corner
- Set 5/8" Iron Rod with 1-3/4" blue plastic cap mtd.
- "MICHAEL A. NAMKEN RPLS 6533"
- 3/8" Found 3/8" Iron Rod
- 1/2" Found 1/2" Iron Rod
- MCOR Montgomery County Official Public Records
- MCORP Montgomery County Real Property Records

I, Michael A. Namken, certify that this plat represents a survey made on the ground under my supervision and that all corners and monuments are as shown herein.

Signed *Michael A. Namken* 4-14-20
Michael A. Namken
Reg. Prof. Land Surveyor No. 6533



NOTES:

- The purpose of this plat is to show the proposed location of the 4.00 acre tract and a proposed 20 foot access easement within the boundary of the called 4818.04 acre tract of land as described in a deed to Republic Grand Ranch, L.L.C. CF# 2019113827, MCORP.
- Bearings, Distances and Acreages herein are Grid and referenced to the Texas State Plane Coordinate System, Central Zone, NAD 83. Distances may be converted to geodetic horizontal (surface) by dividing by a Combined Scale factor of 0.9999076.
- Based on FEMA Insurance Maps, revised 18 August 2014, Montgomery County, #480483, Map #4839C0250G, Panel 0250G, this Tract is NOT located within Flood Hazard Zone "A".
- Monuments shown herein as found are controlling monuments, unless noted as reference only.
- This plat is accompanied by two metes and bounds descriptions, prepared on an even date herewith.
- This survey was completed without an Abstract of Title. There may be additional easements and other matters not shown herein.

PLAT OF SURVEY
4.00 ACRES AND
20' WIDE ACCESS EASEMENT
out of
REPUBLIC GRAND RANCH
PROPERTY
JOSE MARIA DE LA GARZA GRANT, A-15
MONTGOMERY COUNTY, TEXAS

SURVEYED APRIL 2020

0 500 1000



1 INCH = 500 FEET

Namken, Inc.
P.O. Box 1158, New Waverly, Tx 77358
IBPELS Firm No. 10194090
936-661-3325

EXHIBIT B pg 1 of 1

20-026

Namken, Inc.
P.O. BOX 1158, New Waverly, TX 77358
TBEPLS No. 10194090
936-661-3325

**METES AND BOUNDS DESCRIPTION
20 FOOT WIDE ACCESS EASEMENT
IN THE JOSE MARIA DE LA GARZA GRANT, A-15
MONTGOMERY COUNTY, TX**

I, the undersigned Michael A. Namken, Registered Professional Land Surveyor No. 6533, do hereby certify that the following field notes represent a survey made on the ground of the following described tract or parcel of land located in Montgomery County, Texas. All Bearings, Distances and Acreages herein are Grid and referenced to the Texas State Plane Coordinate System, Central Zone (4203), NAD 83. Distances can be converted to geodetic horizontal (surface) by dividing by a Combined scale factor of 0.9999076.

Being a strip of land, twenty (20) feet in width, situated in the JOSE MARIA DE LA GARZA GRANT, Abstract No. 15, Montgomery County, Texas and being out of a called 4,818.84 acre tract of land described in a Special Warranty Deed with Vendor's Lien dated December 06, 2019 from Atakapa, LLC to Republic Grand Ranch, LLC recorded under Clerk's File No. 2019113827, Official Public Records, Montgomery County, Texas (MCOPR), said twenty (20) foot wide strip lying ten (10) foot on both sides, as measured at right angles from the following described centerline, lengthening or shortening sidelines so as to not create overlaps or gaps;

COMMENCING at a 1/2 inch iron rod with cap (MADDUX, 4513) at the most westerly northwest corner of the said 4,818.84 acre Republic Grand Ranch, LLC Tract, the southwest corner of a called 2.556 acre tract described in a Deed to Douglas Carr and Pamela Carr recorded under Clerk's File Number 2003019872, MCOPR and in the east line of Farm to Market Road No. 1097 (FM 1097) as described in a Deed to the State Highway Commission recorded in Vol. 295, pg. 450, MCOPR;

THENCE S 25°24'51" W, a distance of **263.63 feet**, to the **POINT OF BEGINNING** of the 20 foot wide easement centerline described herein, from which a 3/8 inch iron rod found at a southwest corner of the said 4,818.84 acre Republic Grand Ranch, LLC Tract, the north corner of a called 2.497 acre tract of land described in a Deed to Jackie E. Woosley and wife, Verna Woosley and in the east right-of-way line of said FM 1097, bears S25°24'51"W-256.79';

THENCE generally in an easterly direction within the said 4818.84 acre Republic Grand Ranch, LLC Tract the following twelve (12) calls:

1. **S 62°00'10" E**, a distance of **287.81 feet**, to an angle point;
2. With a curve to the left having an arc length of **409.40 feet**, a radius of **800.00 feet**, a chord bearing of **S 76°39'49" E** and a chord length of **404.95 feet**, to an angle point;
3. **N 88°40'32" E**, a distance of **628.46 feet**, to an angle point;
4. With a curve to the right having an arc length of **395.55 feet**, a radius of **500.00 feet**, a chord bearing of **S 68°39'39" E** and a chord length of **385.32 feet**, to an angle point;
5. **N 44°23'30" E**, a distance of **5.07 feet**, to an angle point;
6. With a curve to the right having an arc length of **390.51 feet**, a radius of **499.77 feet**, a chord bearing of **N 66°17'46" E** and a chord length of **380.65 feet**, to an angle point;
7. **N 88°40'32" E**, a distance of **224.43 feet**, to an angle point;
8. **S 88°15'00" E**, a distance of **932.30 feet**, to an angle point;
9. **N 88°40'32" E**, a distance of **705.49 feet**, to an angle point;

10. With a curve to the left having an arc length of 61.49 feet, a radius of 500.00 feet, a chord bearing of N 85°09'09" E and a chord length of 61.45 feet, to an angle point;
11. N 81°37'46" E, a distance of 624.29 feet, to an angle point;
12. With a curve to the right having an arc length of 255.43 feet, a radius of 800.00 feet, a chord bearing of S 89°13'26" E and a chord length of 254.34 feet, to an angle point;
13. N 02°34'57" E, a distance of 30.24 feet, to the POINT OF TERMINATION of this easement in a south line of a 4.00 acre tract of land surveyed this same date, from which a 5/8 inch iron rod with cap (NAMKEN RPLS 6533) set for the southwest corner of the said 4.00 acre tract bears N81°02'18"W-20.12'.

Surveyed — APRIL, 2020

Notes:

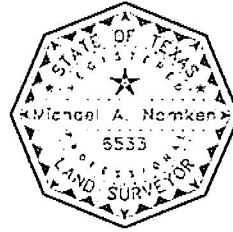
- (1) All set iron rods are 5/8" capped with a 1-3/4" diameter plastic cap, blue in color, stamped "Michael A. Namken RPLS 6533".
- (2) This metes and bounds description is accompanied by a plat, prepared on even date herewith.

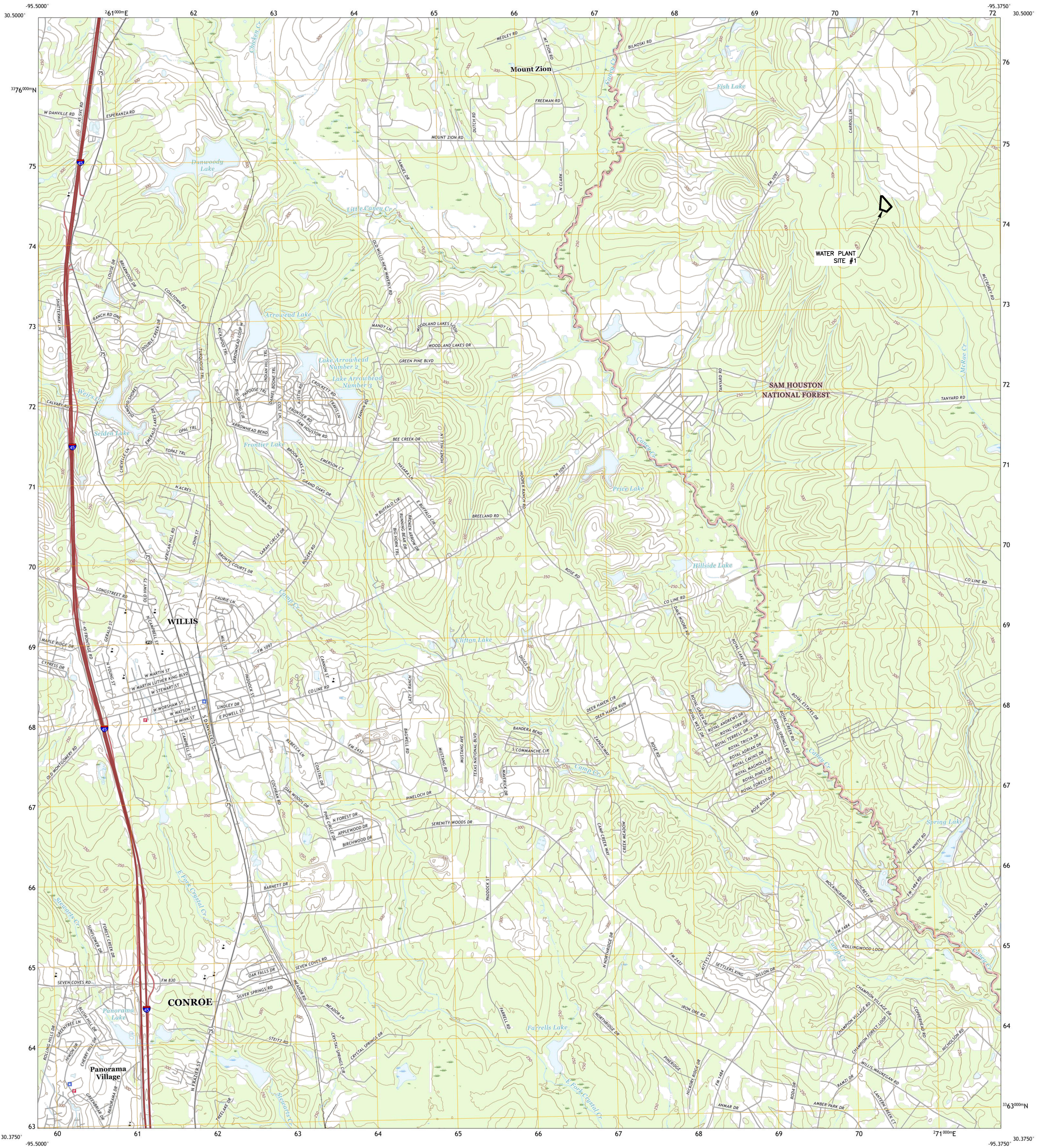
Signed:

Mike Namken 4-14-20

Michael A. Namken

RPLS # 6533





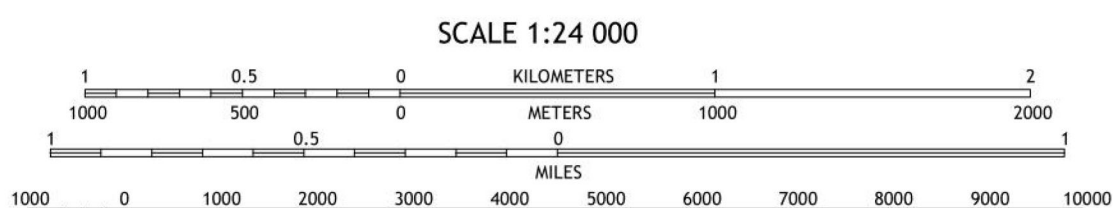
Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....2015
Data within US Forest Service Lands.....2015
with limited Forest Service updates, 2012 - 2015
Names.....GNS, 1979 - 2018
Hydrography.....National Hydrography Dataset, 2003 - 2018
Contours.....National Elevation Dataset, 2010 - 2018
Boundaries.....Multiple sources; see metadata file 2016 - 2017
Wetlands.....FWS National Wetlands Inventory 1983 - 1993

UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square
TP
Grid Zone Designation
15R



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18



1	2	3
4	5	6
7	8	9

1 Moore Grove
2 New Waverly
3 Maynard
4 Shepard Hill
5 Conroe NE
6 Cowell Spur
7 Conroe
8 Cut And Shoot

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Interstate Route
FS Primary Route

Local Connector
Local Road
4WD
US Route
FS Passenger Route
State Route
FS High Clearance Route

Check with local Forest Service unit
for current travel conditions and restrictions.

WILLIS, TX
2019



PO Box 572, Dripping Springs, TX 78620

Project: Dos Aguas PWS

Client: Holly Water Wells

Orient. Fresh water wells

Location: 30.478628, -95.3901

Per

	Q	D	QD	QDD
--	---	---	----	-----

Logs. Call, Res, SI, SI R

Client: Holly Water Wells

County: Montgomery

Orient. Fresh water wells

County: Montgomery**Location:** 30.478628, -95.3901

State: TX

ls

Elevation: 300'

Logged ID (ft): 900

Depth Ref: Ground Level

Date Drilled: 07/15/2021

REFERENCES

SIGNING RECORD

BIT RECORD				CASING RECORD		
RUN	BIT SIZE (in)	FROM (ft)	TO (ft)	SIZE/WGT/THK	FROM (ft)	TO (ft)
1	9 7/8"	0	900			
2						

Hole Medium: clay/sand	Mud Type: gel	Circ Time: 2 hr
-------------------------------	----------------------	------------------------

Hole Medium: clay/sand Mud Type: gel Circ Time: 2hr

Viscosity: 42 **Rm:** NA **at (Deg F):** NA

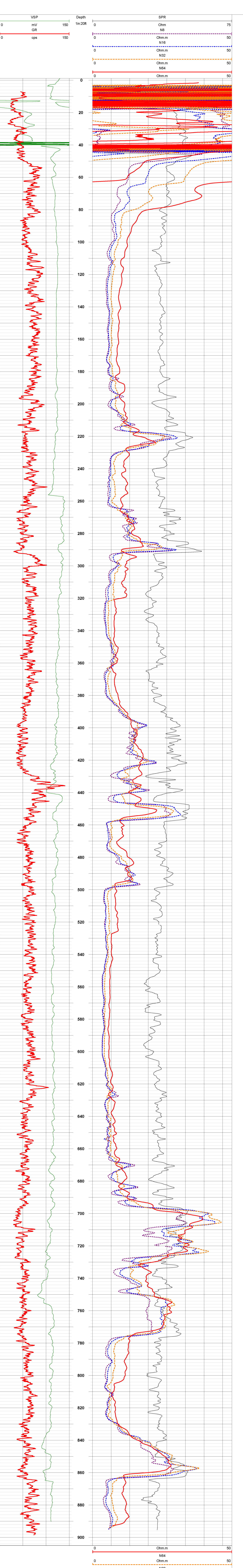
Unit/

Witness: Matt Davis

LOG TYPE	RUN	SPEED (ft/min)	FROM (ft)	TO (ft)	FT/IN
----------	-----	----------------	-----------	---------	-------

CALIPER					
GAMMA	1	30	900	10	ft
RESISTIVITY/SP/SPR	1	30	895	10	ft

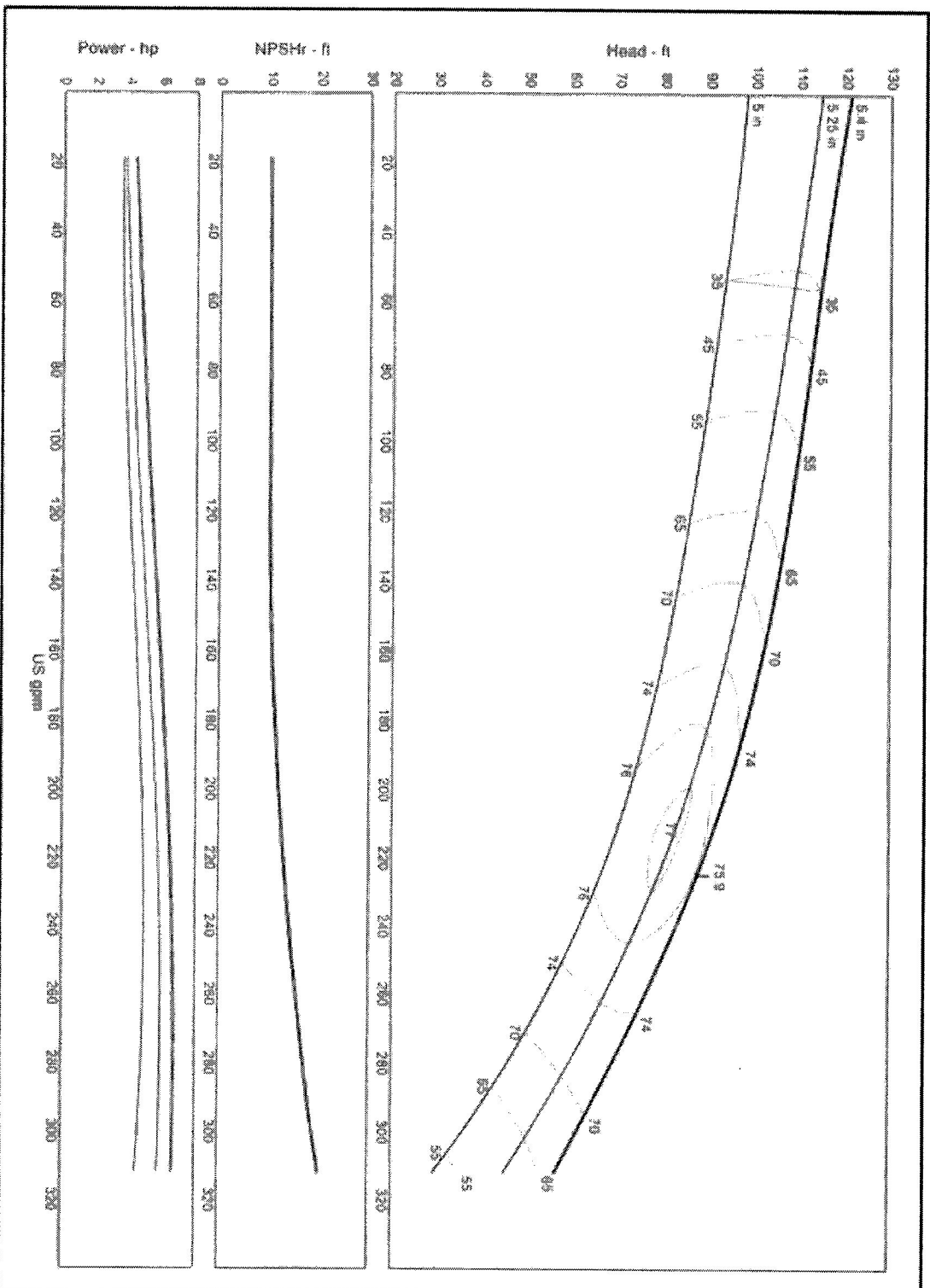
VIDEO					



MODEL 7WALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	7WALC
RPM	3460
Freq Poles	60 Hz 2-pole
Pump Type	Submersible
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1810
Thrust K-Factor	2.63 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.50 in
Max PSI	430 psi
Thd Disch Size	4", 6"

TURBINE OPERATIONS

Lubbock, Texas

MINIMAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (+) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

xylem
Let's Solve Water

GOULDS
WATER TECHNOLOGY

8" Bell & Gossett®

Public Well Completion Data Checklist for Approval to Use (Step 2)

Texas Commission on Environmental Quality
Water Supply Division
Plan Review Team MC-159
P.O. Box 13087, Austin, Texas 78711-3087

Public Water System I.D. No. _____
TCEQ Log No. P- _____

The following list is a brief outline of the "Rules for Public Water Systems", 30 TAC Chapter 290 regarding proposed Water Supply Well Completion. Failure to submit the following items may delay project approval. Copies of the rules may be obtained from Texas Register, 1019 Brazos St, Austin, TX, 78701-2413, Phone: (512) 463-5561 or downloaded from the website: <http://www.tceq.texas.gov/rules/indxpdx.html>

Any well proposed as a source of water for a public water supply must have plans approved for construction by TCEQ. Please include the well construction approval letter with your submittal of well completion data listed below for TCEQ evaluation. Based on review of this submitted data, approval may be given for use of the well.

1. ☐ Site map(s) at appropriate scales showing the following: [§290.41(c)(3)(A)]
 - ☐ (i) Final location of the well with coordinates;
 - ☐ (ii) Named roadways;
 - ☐ (iii) All property boundaries within 150 feet of the final well location and the property owners' names;
 - ☐ (iv) Concentric circles with the final well location as the center point with radii of 10 feet, 50 feet, 150 feet, and ¼ mile;
 - ☐ (v) Any site improvements and existing buildings;
 - ☐ (vi) Any existing or potential pollution hazards; and
 - ☐ (vii) Map must be scalable with a north arrow.
2. ☐ A copy of the recorded deed of the property on which the well is located showing the Public Water System (PWS) as the landowner, and/or any of the following:
[§290.41(c)(1)(F)(iv)]
 - ☐ (i) Sanitary control easements (filed at the county courthouse and bearing the county clerk's stamp) covering all land within 150 feet of the well not owned by the PWS (for a sample easement see TCEQ Form 20698);
 - ☐ (ii) For a political subdivision, a copy of an ordinance or land use restriction adopted and enforced by the political subdivision which provides an equivalent or higher level of sanitary protection to the well as a sanitary control easement; and/or
 - ☐ (iii) A copy of a letter granting an exception to the sanitary control easement rule issued by TCEQ's Technical Review and Oversight Team.
3. ☐ Construction data on the completed well: [§290.41(c)(3)(A)]
 - ☐ (i) Final installed pump data including capacity in gallons per minute (gpm), total dynamic head (tdh) in feet, motor horsepower, and setting depth;
 - ☐ (ii) Bore hole diameter(s) (must be 3" larger than casing OD) and total well depth;
 - ☐ (iii) Casing size, length, and material (e.g. 200 lf of 12" PVC ASTM F480 SDR-17);
 - ☐ (iv) Length and material of any screens, blanks, and/or gravel packs utilized;
 - ☐ (v) Cementing depth and pressure method (one of the methods in latest revision of AWWA Standard A-100, Appendix C, excluding the dump bailer and tremie methods);
 - ☐ (vi) Driller's geologic log of strata penetrated during the drilling of the well;
 - ☐ (vii) Cementing certificate; and

Public Well Completion Data Checklist for Approval to Use (Step 2)

- ☐ (viii) Copy of the official State of Texas Well Report (some of the preceding data is included on the Well Report).
4. ☐ A U.S. Geological Survey 7.5-minute topographic quadrangle map (include quadrangle name and number) or a legible copy showing the location of the completed well; [§290.41(c)(3)(A)]
5. ☐ Record of a 36-hour continuous pump test on the well showing stable production at the well's rated capacity. Include the following: [§290.41(c)(3)(G)]
- ☐ (i) Test pump capacity in gpm, tdh in feet, and horsepower of the pump motor;
 - ☐ (ii) Test pump setting depth;
 - ☐ (iii) Static water level (in feet); and
 - ☐ (iv) Draw down (in feet).
6. ☐ Three bacteriological analysis reports for samples collected on three successive days showing raw well water to be free of coliform organisms. Reports must be for samples of raw (untreated) water from the disinfected well and submitted to a laboratory accredited by TCEQ, accredited to perform these test; and [§290.41(c)(3)(F)(i)]
7. ☐ Chemical analysis reports for well water samples showing the water to be of acceptable quality for the most problematic contaminants listed below. Reports must come from a laboratory accredited by TCEQ; accredited to perform these tests. Maximum contaminant level (MCL) and secondary constituent level (SCL) units are in milligrams per liter (except arsenic which is in micrograms per liter). [§290.41(c)(3)(G) and §290.104 and §290.105]

Table 1: Primary Constituents with Maximum Contaminant Level (MCL)

PRIMARY	MCL
Nitrate	10 (as N)
Nitrite	1 (as N)
Arsenic	10
Fluoride	4.0

Table 2: Secondary Constituents with Secondary Contaminant Level (SCL)

SECONDARY	SCL
Aluminum	0.2
Copper	1.0
Iron	0.3
Manganese	0.05
Zinc	5.0
Total Dissolved Solids	1,000
Fluoride	2.0
Sulfate	300
Chloride	300
pH	> 7.0

Public Well Completion Data Checklist for Approval to Use (Step 2)

Table 3: Water Quality Parameters

PARAMETER	UNITS
Alkalinity as CaCO ₃	mg/L
Calcium as CaCO ₃	mg/L
Sodium	mg/L
Lead*	mg/L

Lead is regulated by the lead and copper rule. This analyte is to document the amount of lead in the source water. The level shall be less than 0.010 mg/L for approval to use.

All systems located in a high-risk county (see page 3) shall submit radiological analysis reports for water samples showing the water to be of acceptable quality for the contaminants listed below. Reports must come from a TCEQ accredited laboratory for approval to use of the well.

Table 4: Radionuclides with Maximum Contaminant Level (MCL)

CONTAMINANT	MCL
Gross alpha	15 pCi/L
Radium-226/228	5 pCi/L
Beta particle	50 pCi/L
Uranium	30 µg/L

WHERE: pCi/L = pico curies per liter, µg/L = micrograms per liter

Please be aware when you review your radiological data that if the report has gross alpha over 15 pCi/L and individual uranium isotopes are not reported, you will have to resample or reanalyze and resubmit radionuclide results. If you see gross alpha plus radium-228 over 5 pCi/L, and don't have radium-226, you will have to resample or reanalyze and resubmit complete results.

List of Counties Where Radionuclide Testing Is required

Please be aware that we have added the requirement for analysis for radionuclides for high risk counties. For elevated levels of any contaminants found in a test well, treatment or blending may be required.

Table 5: List of Counties where Radionuclide Testing is required

COUNTY				
Atascosa	Bandera	Bexar	Bosque	Brazoria
Brewster	Burnet	Concho	Culberson	Dallam
Dawson	Erath	Fort Bend	Frio	Garza
Gillespie	Gray	Grayson	Harris	Hudspeth
Irion	Jeff Davis	Jim Wells	Kendall	Kent
Kerr	Kleberg	Liberty	Llano	Lubbock
McCulloch	Mason	Matagorda	Medina	Midland
Montgomery	Moore	Parker	Pecos	Polk
Presidio	Refugio	San Jacinto	San Saba	Tarrant
Travis	Tyler	Upton	Val Verde	Victoria
Walker	Washington	Wichita	Williamson	Zavala

HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981475

Printed 11/03/2021 13:37

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

<u>Report Name</u>	<u>Description</u>	<u>Pages</u>
981475_r02_01_ProjectSamples	Ana-Lab Project P:981475 C:HWW1 Project Sample Cross Reference t:304	1
981475_r03_03_ProjectResults	Ana-Lab Project P:981475 C:HWW1 Project Results t:304	2
981475_r99_09_CoC__1_of_1	Ana-Lab CoC HWW1 981475_1_of_1	10
Total Pages:		13

Email: projectmanger@ana-lab.com



Report Page 1 of 14

SAMPLE CROSS REFERENCE

Project

981475

Printed

11/3/2021

Page 1 of 1
SUBCONTRACT

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Sample	Sample ID	Taken	Time	Received		
2024048	DOS AGUAS Water - SUBS	09/16/2021	11:50:00	09/17/2021		
	Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
	EPA 200.8/ ASTM D 5174			09/02/2021		09/02/2021
	SM 7500-Ra B - SUB			08/31/2021		08/31/2021
	SM 7500-Ra D/ EPA 904 - SUB			09/02/2021		09/02/2021
	SM 7110 B / EPA 900 - SUB			09/02/2021		09/02/2021

Email: projectmanger@ana-lab.com



Report Page 2 of 14

HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project
981475

Printed: 11/03/2021

RESULTS

Sample Results

2024048 DOS AGUAS Water - SUBS

Received: 09/17/2021

Drinking Water

Collected by: MRB

Ana-Lab

PO:

Taken: 09/16/2021

11:50:00

EPA 200.8/ASTM D 5174

Prepared:

09/02/2021

14:11:00

Analyzed

09/02/2021

14:11:00

SUB

Parameter

Results

Units

RL

Flags

CAS

Bottle

Uranium (DW) Subcontract

See Attached

EHL1-DW

SM 7110 B / EPA 900 - SUB

Prepared:

09/02/2021

03:41:00

Analyzed

09/02/2021

03:41:00

SUB

Parameter

Results

Units

RL

Flags

CAS

Bottle

Gross Alpha DW Subcontract

See Attached

EHL1-DW

Gross Beta DW Subcontract

See Attached

EHL1-DW

SM 7500-Ra B - SUB

Prepared:

08/31/2021

14:53:00

Analyzed

08/31/2021

14:53:00

SUB

Parameter

Results

Units

RL

Flags

CAS

Bottle

Radium 226 DW Subcontract

See Attached

EHL1-DW

SM 7500-Ra D / EPA 904 - SUB

Prepared:

09/02/2021

16:33:00

Analyzed

09/02/2021

16:33:00

SUB

Parameter

Results

Units

RL

Flags

CAS

Bottle

Radium 228 DW Subcontract

See Attached

EHL1-DW

Sample Preparation

2024048 DOS AGUAS Water - SUBS

Received: 09/17/2021

09/16/2021

Prepared:

09/20/2021

13:15:58

Calculated

09/20/2021

13:15:58

CAL



HWW1-G

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

Project

981475

Printed: 11/03/2021

2024048 DOS AGUAS Water - SUBS

Received: 09/17/2021

09/16/2021

Prepared: 09/20/2021 13:15:58 Calculated: 09/20/2021 13:15:58 CAL

SUB Shipped

Verified

SUB Shipped

Verified

Qualifiers:

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see

<https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services



Report Page 4 of 14

981475 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
R: 3306 State Highway 135 N, Kilgore, TX 75662
Office: 903-984-0551 * Fax: 903-984-5914



CHAIN OF CUSTODY

Printed 09/15/2021 Page 1 of 2

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

HW1-G-4
179

Lab Number 2024048

PO Number _____

Phone _____ 936/295-6098

Dos Aguas Water - SUBS

Matrix: Drinking Water

Sample Collection Start

Date: 9/16/21 Time: 1150Sampler Printed Name: Matt Brockelman Ana-Lab Corp

Sampler Affiliation: _____

Sampler Signature:

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

☐ Z -- No bottle required

Subcontract 1008 SUB Shipped

Subcontract S50 SUB Shipped

SKL Sub Hold: PM Attn

☐ HNO₃ to pH <2 Polyethylene 500 mL

Subcontract *USu Uranium (DW) Subcontract EPA 200.8/ ASTM D 5174 CAS:EHL1-DW (180 days)

Subcontract 226L Radium 226 DW Subcontract SM 7500-Ra B - SUB CAS:EHL1-DW (180 days)

Subcontract 228L Radium 228 DW Subcontract SM 7500-Ra D/ EPA 904 - SUB CAS:EHL1-DW (180 days)

Subcontract GrAL Gross Alpha DW Subcontract SM 7110 B / EPA 900 - SUB CAS:EHL1-DW (180 days)

Subcontract GrBL Gross Beta DW Subcontract SM 7110 B / EPA 900 - SUB CAS:EHL1-DW (180 days)

Ambient Conditions/Comments



981475 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
R: 3306 State Highway 135 N, Kilgore, TX 75662
Office: 903-984-0551 * Fax: 903-984-5914



CHAIN OF CUSTODY

Printed 09/15/2021

Page 2 of 2

Holly Water Wells
Linda Woods
2928 SH 19
Huntsville, TX 77320

HWW1-G-4
179

Date	Time	Relinquished	Received
9/16/21	1700	Printed Name: Matt Brockelman Affiliation: Ana-Lab Corp Signature: [Signature]	Printed Name: UPS Affiliation: [Signature] Signature: [Signature]
		Printed Name: [Signature] Affiliation: [Signature]	Printed Name: Rayshawn Thompson Affiliation: Ana-Lab Signature: [Signature]
		Printed Name: [Signature] Affiliation: [Signature]	Printed Name: [Signature] Affiliation: [Signature]
		Printed Name: [Signature] Affiliation: [Signature]	Printed Name: [Signature] Affiliation: [Signature]

Sample Received on Ice? ☐ Yes ☐ No Method of Shipment: ☒ UPS ☐ Bus ☐ FedEx ☐ ~~Hand Delivered~~ ☐ Hand Delivered ☐ Other
Cooler/Sample Secure? ☐ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



981475 CoC Print Group 001 of 001



Eaton Analytical

LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

This report may not be reproduced, except in full, without written approval from EEA.



Eaton Analytical

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida(Primary AB)*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon*	4156
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies



Eaton Analytical

NELAC NARRATIVE PAGE

Client: Ana-Lab

Report #: 529029NP

Eurofins Eaton Analytical, LLC is a NELAP accredited laboratory. All reported results meet the requirements of the NELAC standards, unless otherwise noted.

EEA contact person: Traci Chlebowski

NELAP requires complete reporting of deviations from method requirements, regardless of the suspected impact on the data. Quality control failures not reported within the report summary are noted here.

Note: Sample containers were provided by the client.

There were no quality control failures.

Note: This report may not be reproduced, except in full, without written approval from EEA. EEA is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

Traci Chlebowski - ASM 09/04/2021
Authorized Signature Title Date

Page 1 of 1



Eaton Analytical

110 South Hill Street
 South Bend, IN 46617
 Tel: (574) 233-4777
 Fax: (574) 233-8207
 1 800 332 4345

Laboratory Report

Client: Ana-Lab

Attn: Tayna Chitwood
 2600 Dudley Road
 Kilgore, TX 75662

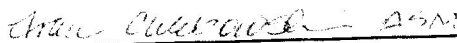
Report: 529029
 Priority: Standard Written
 Status: Final
 PWS ID: Not Supplied

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4997912	HWW1-G-4 179	200.8	08/19/21 09:30	Client	08/26/21 15:20
4997913	HWW1-G-4 179	7500-Ra B	08/19/21 09:30	Client	08/26/21 15:20
4997913	HWW1-G-4 179	7500-Ra D	08/19/21 09:30	Client	08/26/21 15:20
4997914	HWW1-G-4 179	7110 B	08/19/21 09:30	Client	08/26/21 15:20
Report Summary					

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Traci Chlebowska at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from EEA. EEA is accredited by the National Environmental Laboratory Accreditation Program (NELAP).


 Authorized Signature _____ Title _____
 Client Name: Ana-Lab
 Report #: 529029

09/04/2021
 Date

981475 CoC Print Group 001 of 001

Client Name: Ana-Lab

Report #: 529029

Sampling Point: HWW1-G-4 179

PWS ID: Not Supplied

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7440-61-1	Uranium	200.8	30 *	1.0	< 1.0	ug/L	---	09/02/21 14:11	4997912

Radionuclides										
Analyte ID #	Analyte	Method	Reg Limit	MDA 95**	MRL	Result	Units	Preparation Date	Analyzed	EEA ID #
---	Gross Alpha	7110 B	15 *	1.2	3.0	1.4 ± 1.2	pCi/L	08/27/21 13:45	09/02/21 03:41	4997914
---	Gross Beta	7110 B	---	1.4	4.0	3.1 ± 1.4	pCi/L	08/27/21 13:45	09/02/21 03:41	4997914
13982-63-3	Radium-226	7500-Ra B	---	0.22	1.0	0.67 ± 0.32	pCi/L	08/29/21 11:25	08/31/21 14:53	4997913
15262-20-1	Radium-228	7500-Ra D	---	0.48	1.0	0.14 ± 0.46	pCi/L	08/29/21 11:25	09/02/21 16:33	4997913
---	Combined Radium	calc.	5 *	0.48	1.0	0.81 ± 0.56	pCi/L	08/29/21 11:25	09/02/21 16:33	4997913

** Minimum Detectable Activity (MDA95) shall be that concentration which can be counted with a precision of plus or minus 100% at the 95 % confidence level.

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

981475 CoC Print Group 001 of 001

Client Name: Ana-Lab

Report #: 529029

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

If applicable, the calculation of the matrix spike (MS) or matrix spike duplicate (MSD) percent recovery is as follows: $(\text{MS or MSD value} - \text{Sample value}) \times 100 / \text{spike target} / \text{dilution factor} = \text{Recovery \%}$

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

981475 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
R: 3306 State Highway 135 N, Kilgore, TX 75662
Office: 903-984-0551 * Fax: 903-984-5914

ANALAB
Testing the Limits of Science and Service

SubContract CHAIN OF CUSTODY

Eurofins Eaton Analytical
Traci Chlebowski
110 Hill St
South Bend, IN 46617

HW1-G-4
179

Printed 08/17/2021 Page 1 of 2
Lab Number 529029
PO Number EHL1

Smiley's **Water - SUBS**

TAT Normal
434378

Matrix: Drinking Water

Sample Collection Start

Date: 8/19/21 Time: 0930Sampler Printed Name: Matt Brockelman Ana-Lab Corp

Sampler Affiliation:

Sampler Signature: [Signature]

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

5**HNO₃ to pH <2 Polyethylene 500 mL****pH Acceptable**

4997412 Subcontract *USu Uranium (DW) Subcontract ✓ EPA 2008/ ASTM D 5174 CAS:EHL1-DW (180 days)
913 Subcontract 226L Radium 226 DW Subcontract ✓ SM 7500-Ra B - SUB CAS:EHL1-DW (180 days)
914 Subcontract 228L Radium 228 DW Subcontract ✓ SM 7500-Ra D/ EPA 904 - SUB CAS:EHL1-DW (180 days)
Subcontract GrAL Gross Alpha DW Subcontract ✓ SM 7110 B / EPA 900 - SUB CAS:EHL1-DW (180 days)
Subcontract GrBL Gross Beta DW Subcontract ✓ SM 7110 B / EPA 900 - SUB CAS:EHL1-DW (180 days)

Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
8/19/21 1700	Printed Name: <u>Matt Brockelman Ana-Lab Corp</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>	8/23/21 1500	Printed Name: <u>SSpurgeon</u> Signature: <u>[Signature]</u> Affiliation: <u>EEA</u>
	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>		Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>
	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>		Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>

Liters Received = 5
(10 x 500mL)

Ambient



Gulf Coast Region: 4141 Directors Row Ste C Houston TX 77092



981475 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
R: 3306 State Highway 135 N, Kilgore, TX 75662
Office: 903-984-0551 * Fax: 903-984-5914



SubContract CHAIN OF CUSTODY

Printed 08/17/2021

Page 2 of 2

Eurofins Eaton Analytical
Traci Chlebowski
110 Hill St
South Bend, IN 46617

HW1-G-4
179

EHL1

Sample Received on Ice? ☐ Yes ☐ No Method of Shipment: ☐ UPS ☐ Bus ☐ FedEx ☐ Lone Star ☐ Hand Delivered ☐ Other
Cooler/Sample Secure? ☐ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP # 000323.

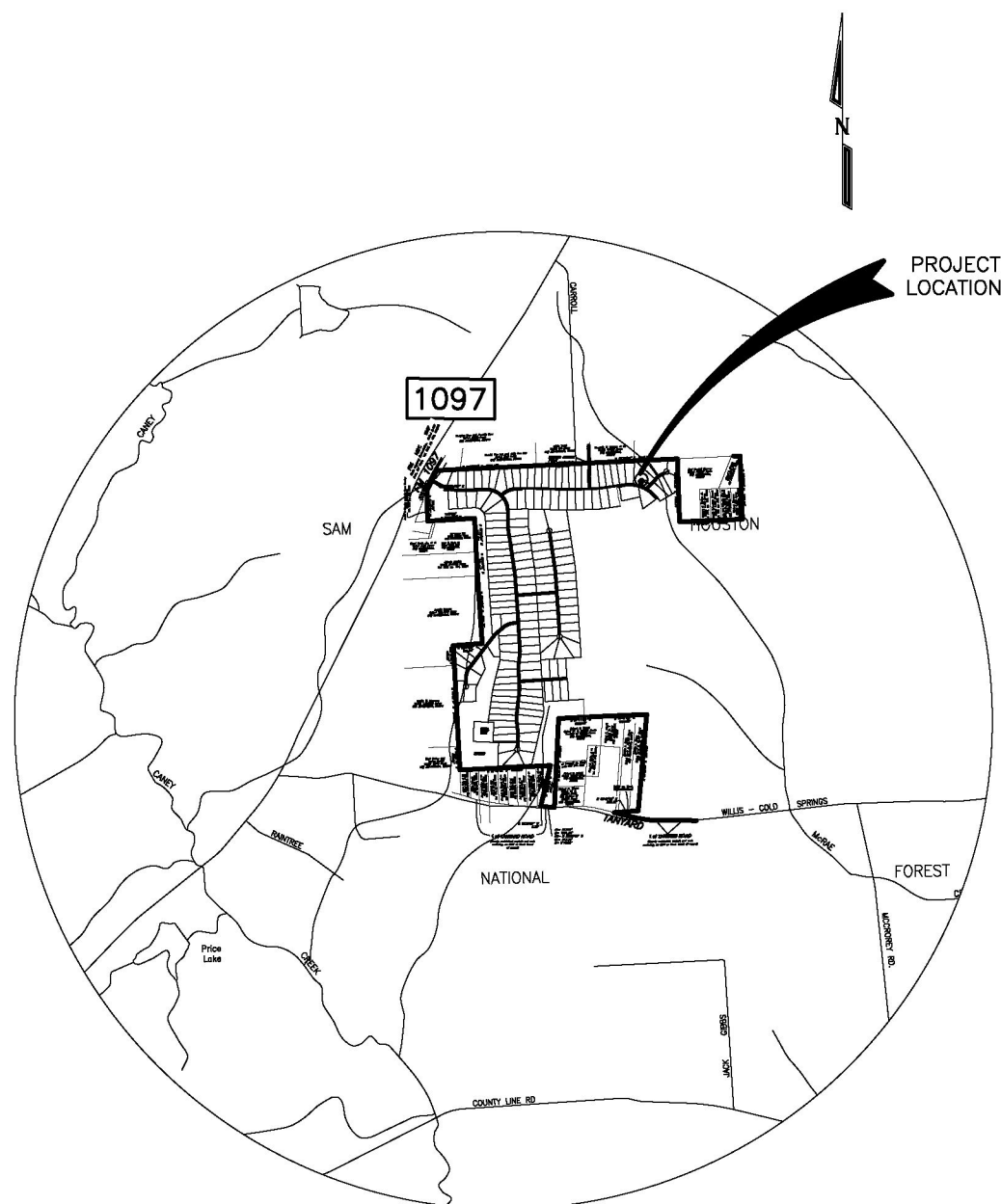
Comments



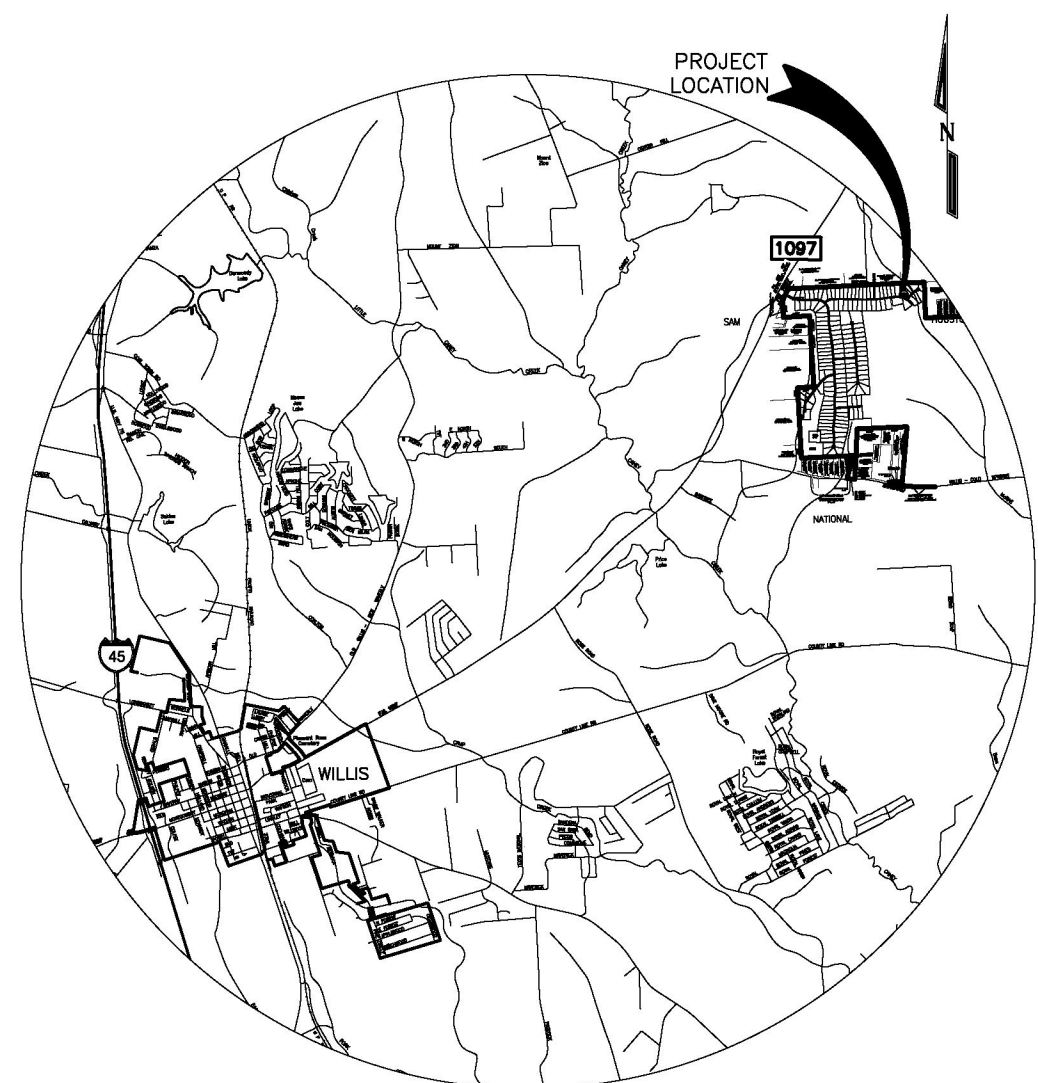
Gulf Coast Region: 4141 Directors Row Ste C Houston TX 77092



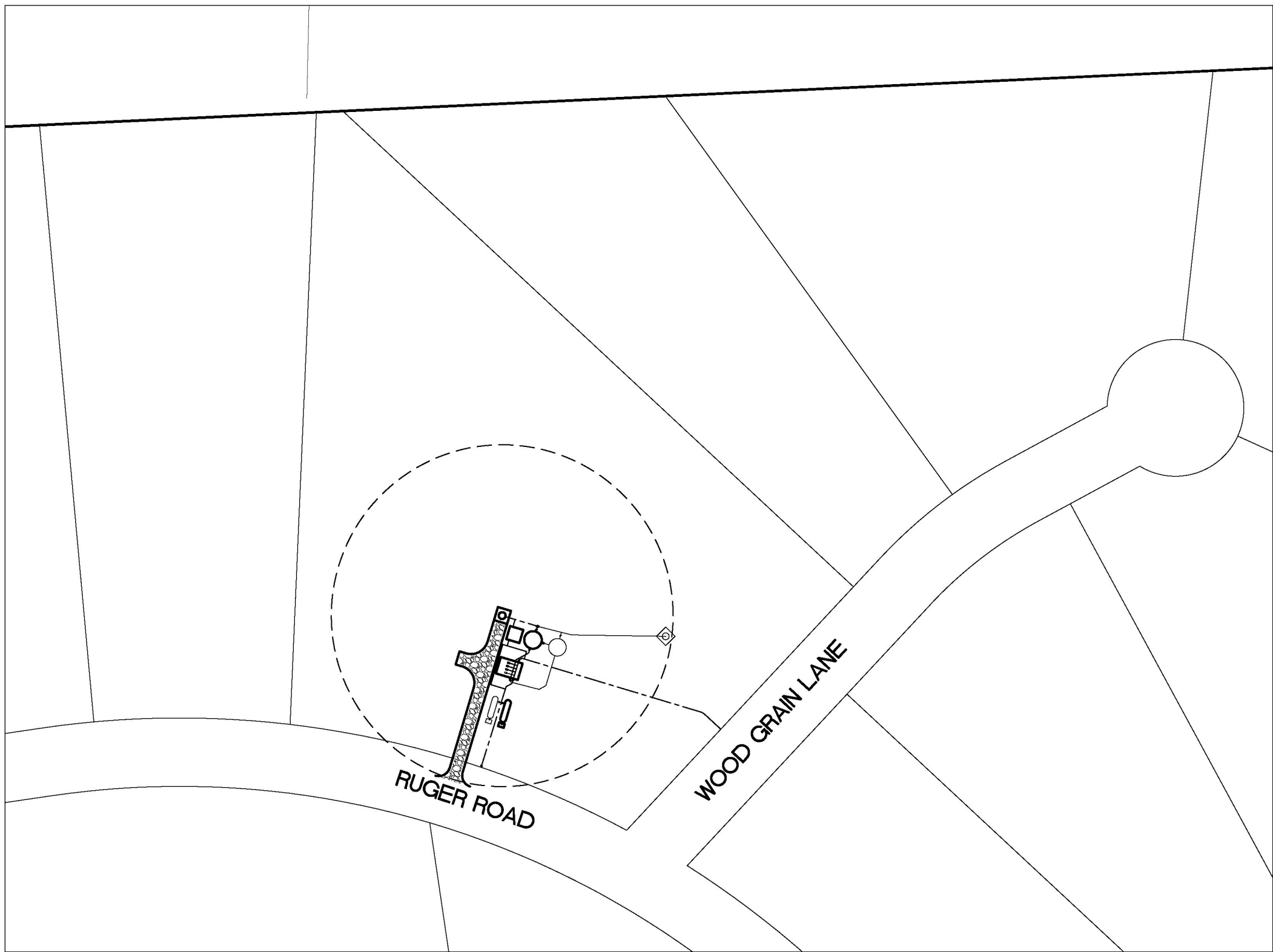
CONSTRUCTION PLANS FOR WATER WELL AND WATER PLANT SITE WATER PLANT NO. 1 (SOUTH WATER PLANT) WILLIS, TEXAS JANUARY 2021



VICINITY MAP
SCALE : N.T.S.
MONTGOMERY COUNTY



LOCATION
SCALE : N.T.S.
MONTGOMERY COUNTY



Sheet List Table	
Sheet Title	
01 COVER SHEET	
02 CONSTRUCTION NOTES	
03 SITE PLAN	
04 DIMENSION CONTROL PLAN	
05 CLEARING & POLLUTION PREVENTION PLAN	
06 WATER WELL DETAILS	
07 GROUND STORAGE TANK DETAILS (1 OF 2)	
08 GROUND STORAGE TANK DETAILS (2 OF 2)	
09 HYDROPNEUMATIC TANK DETAILS	
10 BOOSTER PUMP DETAILS	
11 MISCELLANEOUS DETAILS	
12 CHLORINE BUILDING	

REV	DATE
COMMENT	
HUD COMMENTS	
REV	DATE
COMMENT	
BRETT WYANT 118933 LICENSED PROFESSIONAL ENGINEER	
01/19/2021	
COVER SHEET	DOS AGUAS WATER PLANT NO. 1 WILLIS, TEXAS
SPEAR POINT ENGINEERING, LLC TBPE Firm No. 18904	
PREPARED FOR: DOS AGUAS WATER CO. 455 FM 2296 Huntsville, TX 77340 (936) 661-2210	
PROJECT NUMBER 1100	
FILE NAME:	
SHEET: 01 of 12	