Moffat WSC
N2-02-022G, N2-13-001P
Permit Amendment for 51.4 ac/ft

CUWCD
Executive Summary

Staff Report

Application for Operating Permit Amendment
N2-02-022G & N2-13-001P

Applicant/Owner: Moffat Water Supply Corporation
Mr. Damon Boniface
5460 Lakeaire Blvd
Temple, TX 76502 Phone: 254-986-2457

Location of Wells:
Location description:
Well #1: (N3-23-01P) Latitude 31.196690°/Longitude -97.459560°
0.252 acre tract located at the intersection of Water Supply Rd and Moffat Rd west of Temple.

Well #2: (N3-23-01P) Latitude 31.205449°/Longitude -97.442734°
1.97 acre tract located at 12091 S. Whitehall Rd, Moody, TX.

Management Zone: Belton Lake Management Zone

Proposed Annual Withdrawal:	**Proposed Beneficial Use**	**Source Aquifer:**	**Nearest Registered known Existing Wells:**
Well #1: **Initial Rate:** 210-gpm **Column Pipe**: 3-inch **Horsepower Rating:** 210 **Well #2:** **Initial Rate:** 230-gpm **Column Pipe**: 4-inch Horsepower Rating: 230 **Proposed Withdrawal:** Current Permitted Amount: 205.5 acre-feet or 66,962,380.5 gallons per year. **Additional** Amount Requested: 51.4 acre-feet or 16,748,741 gallons per year.	Public Water Supply System	Hosston Layer of the Trinity Aquifer (Lower)	**Well #1** has 14 wells in ½ mile, 3-Upper Trinity 2- Middle Trinity 9- Edwards BFZ Equivalent **Well #2:** has 3 wells in ½ mile, 0-Upper Trinity 1- Middle Trinity 2- Edwards BFZ Equivalent

General Information

Mr. Damon Boniface, General Manager of Moffat WSC (MWSC), has submitted an application, to the Clearwater Underground Water Conservation District (CUWCD) on August 26, 2023, for an amendment to the current operating permit to authorize an increase in production for 2 public water supply wells.

This permit amendment, if approved, will authorize an increase of approximately 25% of groundwater production for a public water supply needs from their existing 2-well system that withdrawals from the Lower Trinity (Hosston Layer).

Mr. Boniface stated in his cover letter that: "*Since January 2018, MWSC has experienced a thirteen percent (13%) increase in system growth and experiences regular growth throughout the system mainly in new residential construction"* He also reported: "*MWSC's annual water sales increased twenty-five percent (25%) for a daily average sold upsurge from 0.339 MOD to 0.447 MOD for years ending 2018 and 2022, respectively."*

He further stressed: "*Due to water availability conditions, the unpredictability and reliability of surface water supplies, increase in residential growth, and financial considerations, Moffat desires to utilize the additional groundwater capacity to be less reliant on Bluebonnet WSC (Wholesale Provider) for surface water; and Moffat will potentially gain fiscal benefit over $50,000.00 per year with the additional capacity by reducing annual purchase of surface water." (see attached Surface/Groundwater Usage by MWSC)*

The wells are well #1 (#N2-02-022G) and well #2 (N2-13-001P) located in the Belton Lake Management Zone described in District Rule 7.1.2. The existing wells are completed in the Lower Trinity Aquifer (Hosston Layer),

- Well #1 has a 3-inch column pipe on a 0.252-acre tract located at Latitude 31.196690°/Longitude -97.459560°.
- Well #2 is to have a maximum 4-inch column pipe on an 18.37-acre tract located at Latitude 331.205449°/Longitude -97.442734° on a 1.97-acre tract of land.

These properties lie within Moffat Water Supply Corporation's CCN #11166 (certificate of convenience and necessity).

Per Rules 6.9 and 6.10

In deciding whether or not to issue a permit, the Board must consider the following:

1. **Does the application contain all the information requested, is the application accurate? Does it meet spacing and production limitations identified by District Rules, and does it conformed to all application requirements which include public notification and accompanied by the prescribed fees? TWC 36.116(a)(1), TWC**

36.113(d)(1), Rule 6.9.1(a)(b)(1)(2), Rule 6.9.2(a)-(f), Rule 6.10.24(a)(b), and Rule 9.5.1-2.

The application has been deemed administratively complete and the requested information necessary to proceed is as follows:

- The application does conform to the tract size requirements associated with district Rule 9.5.2 for wells completed to the Lower Trinity with 3 & 4-inch column pipe sizes in the Belton Lake Management Zone. The applicant has public water supply authority as the CCN #11166 thus meets all tract size for a Retail Public Water Utility's Non-exempt Well because both wells are located within the prescribed boundaries of the utility's retail water service area that is certificated by the Public Utility Commission of Texas by the issuance of a Certificate of Convenience and Necessity.
- The application fees for the operating permit amendment of $1,528.00 has been received.
- The applicant and their representative have properly conducted all notification requirements per District Rules and provided necessary documentation.

2) **Is the proposed use of water dedicated to a beneficial use? (TWC 36.113(d)(3), District Rule 6.10.24 (d) and District Rule 9.5.2 authority to serve as a public water supply per PUC and TCEQ requirements.**

The proposed production of groundwater is for public water supply and is deemed a "beneficial use". The applicant has demonstrated they have full authority as a public water supply with a designated CCN #11166.

3) **Has the applicant agreed to avoid waste and achieve water conservation? (TWC 36.113(d)(6) and Rule 6.10.24(f)**

The applicant understands per District Rule 6.10.24(f) that by signing the application form the applicant and their representative agrees to and states they will comply with the District's Management Plan and District Rules in affect on November 8, 2023, to avoid waste and achieve water conservation under their prescribed conservation & drought contingency plan. Moffat Water Supply adheres to both Bluebonnet WSC and Clearwater UWCD drought stages per the following document.
https://moffatwatersupply.com/documents/84/20230519080236.pdf

MWSC is currently at Stage 2 restrictions found at:
https://moffatwatersupply.com/drought-contingency

The applicant or his representative will testify that they have and are continuing to address the water loss issues as provided in the application. The applicant has documented that "*Acoustic Leak Detection LLC*" is under contract to assist them with advanced methods to find leaks.

Mr. Boniface stated in his submittal that there is no current industry standard for acceptable percent water loss, but Moffat's goal is always zero percent (0%). Moffat

recently made an aggressive approach to further identify unaccounted water loss by contracting leak detection services from Acoustic Leak Detection, LLC to survey the entire system (75 miles of waterlines) by end of September 2023. Areas identified during the survey will be addressed accordingly.

MWSC Water Loss Report		Average % Loss
Jan 2018 – Dec 2018		18.85%
Jan 2019 – Dec 2019		14.28%
Jan 2020 – Dec 2020		12.02%
Jan 2021 – Dec 2021		12.36%
Jan 2022 – Dec 2022		15.80%
Jan 2023 – Dec 2023		Yet to be determined

Table 1: MWSC Reported water loss for the past five years.

4) **Has the applicant agreed that reasonable diligence will be used to protect groundwater quality and that the applicant will follow well plugging guidelines at the time of well closure? (TWC 36.113(d)(7) and Rule 6.10.24(g)) and Rule 9.3.1 Special Standards of Completion for wells in TX Grid 58-03-06 related to Glen Rose Layer head pressure and injurious water concerns.**

The applicant (*by signing the application form*) should offer testimony that if either well deteriorates over time or becomes damaged in such a way that said Well is inoperable that state law and district rules require such a well to be plugged before a replacement well can be drilled.

5) **Will the proposed water well comply with spacing and production limitations identified in our rules? (TWC 36.116(a)(1-2), TWC 36.116(c)&(d) and Rule 6.10.24(b)), Rule 7.1 and Rule 9.5.2.**

The proposed wells are located in the *Belton Lake Management Zone* described in *District Rule 7.1*, thus are not limited in column pipe size other than tract size and setback from our wells.

- As stated in item #1: *"The application does conform to the tract size requirements associated with district Rule 9.5.2 for wells completed to the Lower Trinity with 3 & 4-inch column pipe sizes in the Belton Lake Management Zone. The applicant has public water supply authority as the CCN #11166 thus meets all tract size for a Retail Public Water Utility's Non-exempt Well because both wells are located within the prescribed boundaries of the utility's retail water service area that is certificated by the Public Utility Commission of Texas by the issuance of a Certificate of Convenience and Necessity."*

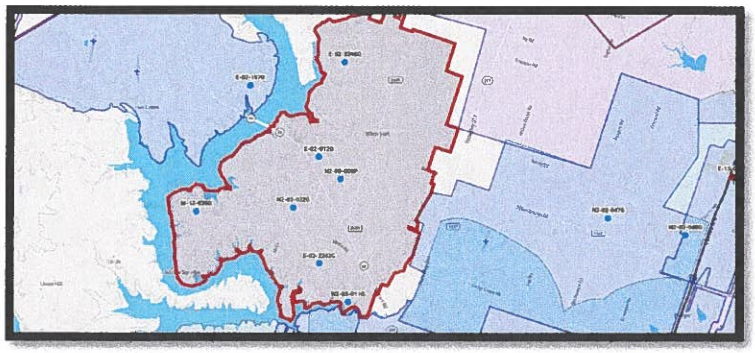


Figure 1: Map of WSC CCN Boundaries

The district's rules require that we do impose a production limit based on acre-ft/year and described gallons per year. The proposed amounts have been determined by the applicant to support current growth, and growth projections as it relates to anticipation of new subdivisions within their CCN.

MWSC's Current Aggregated HEU/OP Permitted Amount:
205.5 acre-feet or 66,962,380.5 gallons per year.

MWSC request for additional production:
51.4 acre-feet or 16,748,741 gallons per year.

The applicant has presented evidence of recent aquifer testing and analytical modeling by RW Harden & Associates. CUWCD's consulting geoscientist Mr. Andrew Donnelly, Advanced Groundwater Solutions LLC, has stated the modeling methodology, assumptions, and results included in the RWHA report are reasonable based on the data presented in the RWHA memorandum. AGS was able to produce virtually identical results for the transmissivity estimates from the pumping test data and the drawdown and impact analysis. AGS concludes that the aquifer test analysis and drawdown estimate by RWHA in support of the permit application by MWSC represent sound hydrogeologic analysis.

Moffat WSC has properly addressed the application requirements per the **Operating Permit Amendment Application procedures as follows:**

- Requests to modify to increase production or production capacity of a ***Public Water Supply***, Municipal, Commercial, Industrial, Agricultural, or Irrigation Well if such increase is 5 Acre-feet or more per year and/or the Board determines that such report is warranted based on Aquifer conditions, type of modification, status of adjacent Wells, local water use trends, and other Aquifer management considerations.

The applicant has submitted the necessary information about the two existing wells that are currently in our system thus the following portions of the requirement known as "*Well Completion Reports*" have been updated by MWSC's consultants with RW Harden & Associates include:

- Geophysical logs/Drillers Logs for both wells.
- Well completion diagram identifying (as applicable) the open and cased intervals, casing and screen type and size, filter pack interval, cement interval, pump and motor (model number, pump bowls, horsepower, etc.), pump setting, column pipe type and size, pump head, and other pertinent information related to the Well construction.
- Updated pump curves for each well is included by RW Harden.
- Data and analysis from a minimum 24-hour pumping test.
- Water quality analysis results from a NELAP certified laboratory has been received; and
- Predicted impacts of the proposed production from each Well by the Theis method,

If the proposed amendment to the operating permits appear to effect decline in the water quality of the aquifer and/or artesian pressure, then the board may require lower production at levels necessary to reduce said depletion or degradation of the aquifer.

In addition, the Board may all reduce production necessary to prevent waste and achieve water conservation, to minimize as far as practicable the drawdown of the water table or the reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence.

More specifically these issues are considered in Items 6-10 below and with staff recommendations to address potential concerns of adjacent property owners and well owners within the radius of influence from the proposed additional production.

6) **Will the proposed use of water unreasonably affect existing groundwater and surface water resources or existing permit holders per District Rule 6.10.24(c)?**

Based upon available information, there are the following number of wells as defined for domestic and livestock use and completed, and active from the Upper & Middle Trinity Aquifer and the Edwards BFZ Aquifer.

14 wells are within ½ mile of Well #1:
3 is completed in the Glens Rose Layer of the (Upper) Trinity Aquifer,
2 are completed in the Hensell Layer of the (Middle) Trinity Aquifer,
9 are completed in the Edwards Equivalent Aquifer.
2 well is within ½ mile of Well #2:
2 are completed in the Edwards Equivalent Aquifer,
1 is completed in the Hensell Layer of the (Middle) Trinity Aquifer.

Andrew Donnelly, Advanced Groundwater Solutions, has reviewed the application and has determined the anticipated drawdown, and has provided the *attached AD report*.

Donnelly states in his summary the following:
"The modeling methodology, assumptions, and results included in the RWHA report are reasonable based on the data presented in the RWHA memorandum. AGS was able to produce virtually identical results for the transmissivity estimates from the pumping test data and the drawdown and impact analysis. AGS concludes that the aquifer test analysis and drawdown estimate by RWHA in support of the permit application by MWSC represent sound hydrogeologic analysis."

For clarity, the GM has reviewed the current drawdown trends from each well and overlaid those with production to determine if the drawdown trends are associated with regional drawdown or associated with production at each respective well. In looking at the groundwater use by MWSC during two different intervals of time, one of low production (*2014-2017*) and another period of time of high production (*2017-2023*) it appears that the utilization of groundwater and corresponding trends in water level declines during those two distinctly different periods of time the (*Table 2*) provide discernment that actual water level declines from pumping are much less than what is simulated by the Theis method.

This confirms the importance of monthly production reporting and of water level measurements by all non-exempt users such as public water suppliers. This is a complement to MWSC for reporting both obligations diligently.

Low Pumping Period (dates)		Wells	Trend	Total Production
11-30-14 thru 11-30-17		Well #1	-4.3 ft/year	373.8 ac-ft
11-30-14 thru 11-30-17		Well #2	-4.7 ft/year	94.5 ac-ft
Higher Pumping Period (dates)				
11-30-17 thru 09-30-23		Well #1	-7.3 ft/year	1107.8 ac-ft
11-30-17 thru 09-30-23		Well #2	-6.8 ft/year	5793.4 ac-ft
Current Effect by Pumping (estimate)			Effect of Pumping	
11-30-14 thru 09-30-23		Well #1	-2.3 to -3.0 ft/year	
11-30-14 thru 09-30-23		Well #2	-1.9 to -2.1 ft/year	
Estimated Drawdown per year			Projected Drawdown	Additional Prod
Anticipated impact from District Data		Well 1 & 2	.5 to 1 ft/year	51.4 ac-ft
Simulated Impact by Thesis (*Ferry)		Well 1 & 2	4.0 to 15.0 ft/year	51.4 ac-ft

Table 2: Analysis of regional drawdown & localized drawdown

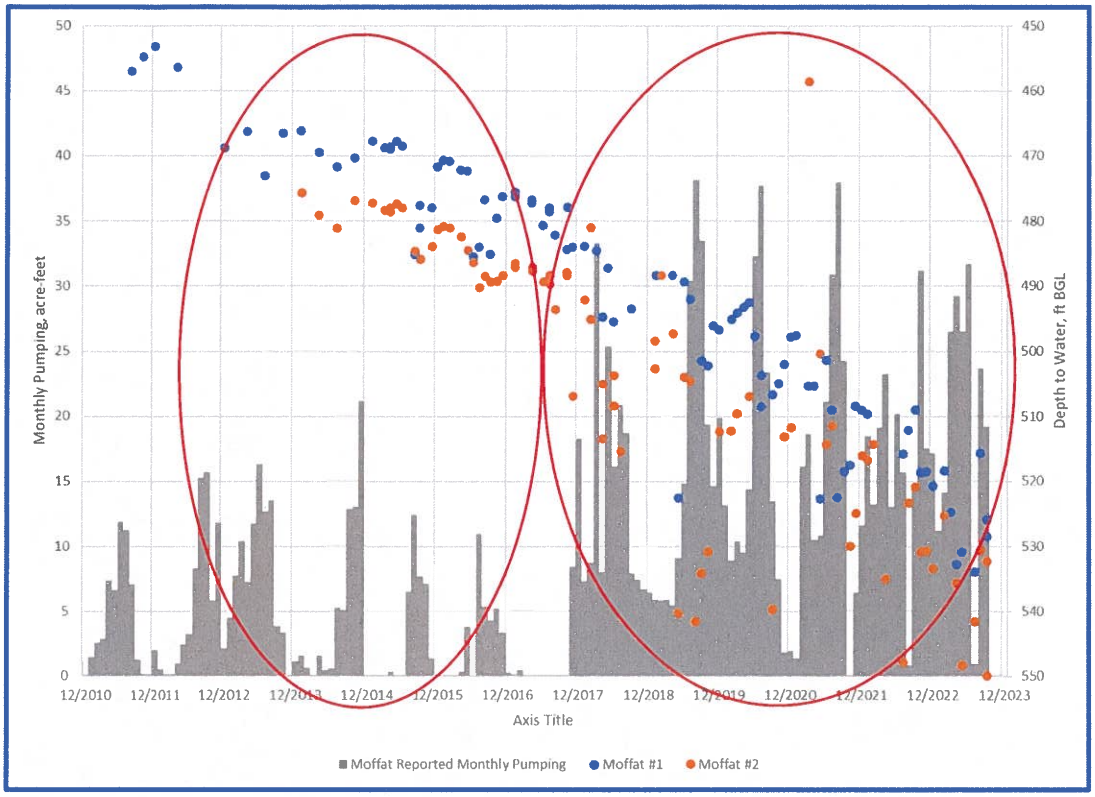


Figure 2: Illustrates Lower Production Years and High Production Years

Additionally, the District, to the extent possible, must issue permits up to the point the total volume of exempt and permitted groundwater production will achieve the applicable Desired Future Condition (DFC) per **TWC 36.1132(a)(b) and Rule 6.10.25(a)(b)(c)(d)(e).**

7) **Is the proposed use of groundwater consistent with the District's Groundwater Water Management Plan related to the approved DFC and the defined available groundwater for permitting?**

The District's Management Plan reflects a groundwater availability figure in the Lower (Hosston Layer) Trinity Aquifer of **7900 ac-ft/year Modeled Available Groundwater** (then reserve 178 ac-ft/year for exempt well use) thus **7,722 ac-ft/year is the Managed Available Groundwater for permitting established by the district.**

The Board, per the District Management Plan, has evaluated groundwater available for permitting in the Lower Trinity Aquifer and most recently evaluated the available groundwater for permitting (*consistent with the management plan as stated on pages 9-10*).

The requested permit amount relative to the modeled available groundwater MAG is determined by the Texas Water Development Board (TWDB) and is based on the desired future conditions (DFCs) established by GMA8 and the District for the Lower Trinity Aquifer was set by CUWCD based on 330-ft of drawdown over 60-yrs. This was reviewed and again approved by the board in January 2022. To achieve this DFC, the TWDB used a model that indicated the MAG was equal to 7,900 acre-feet per year from the Lower Trinity.

A summary of YTD 2023 permit production, HEUP & OP Permit Analysis, pending applications, and *Exempt Well Reservations for the Lower Trinity, per District Report illustrates current Lower Trinity Aquifer permits total 4992.31 ac-ft/year. Currently, the District has a pending permit of 23 ac-ft/year, thus available for permitting is only 2624.39 acre-feet/year. *(see attached Lower Trinity Aquifer Status Report, (October 11, 2023)*.

8) **What are the Modeled Available Groundwater calculations determined by the Executive Administrator of the Texas Water Development Board**?

Refer to #7 above. The modeled available groundwater will not be exceeded by granting this permit. *(see attached Lower Trinity Aquifer Status Report, October 11, 2023)*.

9) **What has the Executive Administrator of the Texas Water Development Board's estimate of the current and projected amount of groundwater produced under the exemptions in District Rule 6.3?**

Refer to #7 above. Reservation of Modeled available groundwater for **exempt well**

use will not be exceeded by granting this permit. 178 ac-ft/year vs 119 ac-ft estimated to be used annually from the *Lower Trinity*. *(see 2022 district exempt use report)*

10) **What is the amount of groundwater authorized under permits previously issued by the District?**

Refer to #7 above. Existing permits do not exceed the managed available groundwater *(modeled available groundwater – reserved exempt well use = Managed Available Groundwater)* for the Lower Trinty Aquifer which is 7,722 ac-ft per year.

11) **What is the reasonable estimate of the amount of groundwater that is produced annually under existing non-exempt permits issued by the District?**

The total permitted amounts for non-exempt wells in the Lower Trinity Aquifer in 2022 was **4,454.99 ac-feet/yr.** and the actual production in 2022 was **1842.71 ac-ft/yr. (41%)** of the permitted amount. (*Figures are based upon monthly production reports submitted to Clearwater by the permit holders in 2022*).

12) **Yearly precipitation and production patterns.**

Clearwater is currently in "Stage 1 Awareness" based on the PDI system (average running total annual rainfall) on October 1st 2023 over the Trinity Aquifer in the District, is currently at **26.99** inches of rain received in the last 365 days (as of 10/1/2023) thus 81.79% of annual expected rainfall of 33 inches. The Trinity aquifer permit holders in all of 2022 have used 33.3% of the total permitted amounts in the Aquifer. Permit holders did not exceed their total permitted amounts in 2020, 2021 and 2022.

The gravity of the current drought is reminiscent of the epic drought of 2011-2013, the significant drought in 2018, 2020 and again in 2022-23. The current drought trends do necessitate the need for all permit applications to be evaluated based on conservative needs and usage that are not contradicted by the current voluntary drought contingency plan stage.

The applicant should agree to take extreme conservation strategies to increase efficient and conservative groundwater use by the future homeowners. Testimony as to their planned Direct Reuse of wastewater for landscape needs for each home and no groundwater use for landscape would set a precedent of groundwater conservation preferred by the district.

Conclusions and Recommendations:

1) District GM recommends that the Board approve the requested amount based on the applicant's needs and expected drawdown from production is reasonable for both wells.

2) District GM recommends the following special conditions:

- To assess actual changes in water levels due to pumping from the proposed wells and regional water level declines, the applicant should allow the District to install an Eno-scientific 700 acoustic water level device and incorporate the data into the District's DMS and analytic tools such that trend analysis can be an effective tool for continuous measurement system of the water level by the District.
- The district should continue to require monthly reporting of metering by online reporting of their production to confirm the applicant does not utilize the groundwater beyond this additional permitted amount.

Attachments are as follows:

Donnelly, PG Technical Memorandum	*10/20/2023*
CUWCD Trinity Aquifer Status Report	*10/11/2023*
CUWCD 2022 Exempt Well Estimate of Use Report	*12/31/2022*
Applicants' application	*See attached*
Geoscience submittals by RW Harden & Associates	*See attached*
Applications, fees and Notification Affidavits	*See attached*

AGS
Geoscience Review

AGS
Advanced Groundwater Solutions, LLC
www.advancedgw.com

Technical Memorandum

TO: Mr. Dirk Aaron
Clearwater Underground Water Conservation District

FROM: Andrew Donnelly, P.G. and James Beach, P.G.

SUBJECT: Review of aquifer testing and analytical modeling for Moffat WSC permit amendment request

DATE: October 20, 2023

Permit IDs: *H-23-009T and O-23-012*

Well IDs: *Well #1 (District Well N-02-022G) and Well #2 (District Well N2-13-001P)*

Well Owner Name: *Moffat WSC*

Current Aggregated Permitted Amount: *205.5 ac-ft/yr*

Requested Permit Amount: *256.9 ac-ft/yr*

Requested Increase: *51.4 ac-ft/yr*

Aquifer: *Lower Trinity*

The Moffat Water Supply Corporation (MWSC) currently operates Well #1 (District Well N-02-022G) and Well #2 (District Well N2-13-001P), both of which produce groundwater from the Lower Trinity Aquifer. These wells are operated under Historic & Existing Use Permit H-23-009T and Operating Permit O-23-012, with an aggregated 205.5 ac-ft/yr permit amount. MWSC would like to increase the aggregated permitted capacity of these two wells from the current permitted amount of 205.5 ac-ft/yr to 256.9 ac-ft/yr, an increase of 25 percent. No modifications to the existing wells or pumping equipment are proposed.

An evaluation of aquifer pump testing and interference modeling in support of the MWSC application was conducted by R.W. Harden & Associates (RWHA) in a technical memorandum date July 19, 2023. RWHA presented several pumping test analyses in this report. AGS estimated transmissivity based on the new pumping test data (production and water level decline) provided by RWHA and our results were almost identical to RWHA.

Aquifer parameters from the Northen Trinty and Woodbine Groundwater Availability Model (NTWGAM) were determined for the two model cells containing the MWSC wells. The Lower Trinity Aquifer has a transmissivity of approximately 6,000 gpd/ft and a storativity of $1.6x10^{-4}$ in these NTWGAM cells, which are reasonably similar to the results of the pumping tests presented in the RWHA report and to the aquifer parameters used by RWHA in their interference modeling.

RWHA used the Theis non-equilibrium equation to estimate water level drawdown resulting from the requested increase in annual production from the aggregated well system. RWHA ran three different scenarios: 1) assuming an instantaneous production rate of three times the proposed annual rate of 256.9 ac-ft/yr (240 gpm for each well) for 24 hours; 2) assuming an instantaneous production rate of three times the proposed annual rate of 256.9 ac-ft/yr (240 gpm for each well) for 30 days; and 3) assuming the average annual requested production rate of 256.9 acre-feet per year (80 gpm per well) for one year. AGS simulated the water level declines from the same three pumping scenarios using a Theis analysis using the aquifer parameters and pumping data presented in the RWHA memo. Our results were virtually identical to those included in the RWHA memorandum.

CUWCD also estimated the potential effects of the proposed production on local water levels in the aquifer using the Theis equation. The following tables present the drawdowns calculated by CUWCD at the proposed well and at other nearby wells completed in the same aquifer. For 1-day drawdown, CUWCD applied the proposed instantaneous pumping rate for a period of 24 hours. For 30-day drawdown, CUWCD assumed peak pumping during the summer of about 15 percent more than the average monthly amount (that is, the proposed annual production rate divided by 12 then multiplied by 1.15). For 1-year drawdown, CUWCD used the proposed annual production amount. Four scenarios were run- 50 and 100 percent of the proposed 51.4 ac-ft/yr increase in annual production in each of the two wells. The tables below summarize the calculated drawdowns for each of the four scenarios conducted by CUWCD.

Table 1. Calculated drawdowns for Well #1 at 50% proposed increase in production

Well Name	Distance from Proposed Well (feet)	1-Day Drawdown (feet)	30-Day Drawdown (feet)	1-Year Drawdown (feet)
50% OF 51.4 ac-ft				
N2-02-022G (*MWSC*)	---	27	2.8	2.7
N2-13-001P (*MWSC*)	6145	1	0	0
E-02-012G (*Syring*)	6355	0	0	0
E-02-2242G (*Halbrook*)	6864	0	0	0
M-13-039G (*CUWCD*)	10786	0	0	0
N2-05-011G (*USACE*)	12178	0	0	0

Table 2. Calculated drawdowns for Well #1 at 100% proposed increase in production

Well Name	Distance from Proposed Well (feet)	1-Day Drawdown (feet)	30-Day Drawdown (feet)	1-Year Drawdown (feet)
100% of 51.4 ac-ft				
N2-02-022G	---	27	5.6	5.5
N2-13-001P (*MWSC*)	6145	1	0	1.4
E-02-012G (*Syring*)	6355	0	0	1.4
E-02-2242G (*Halbrook*)	6864	0	0	1.4
M-13-039G (*CUWCD*)	10786	0	0	1.2
N2-05-011G (*USACE*)	12178	0	0	1.1

Table 3. Calculated drawdowns for Well #2 at 50% proposed increase in production

Well Name	Distance from Proposed Well (feet)	1-Day Drawdown (feet)	30-Day Drawdown (feet)	1-Year Drawdown (feet)
50% of 51.4 ac-ft				3
N2-13-001P (*MWSC*)	---	28	3.1	3
E-02-012G (*Syring*)	3482	2.4	0	0
N2-02-022G (*MWSC*)	6145	0	0	0
E-02-2242G (*Halbrook*)	9699	0	0	0
E-02-3346G (*Gauntt*)	13068	0	0	0

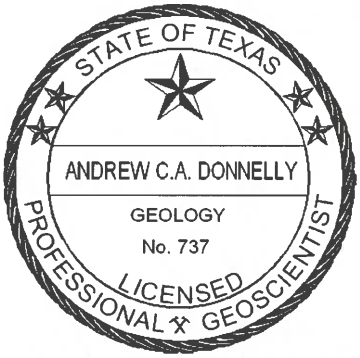
Table 4. Calculated drawdowns for Well #2 at 100% proposed increase in production

Well Name	Distance from Proposed Well (feet)	1-Day Drawdown (feet)	30-Day Drawdown (feet)	1-Year Drawdown (feet)
100% of 51.4 ac-ft				
N2-13-001P (*MWSC*)	---	28	6.1	6
E-02-012G (*Syring*)	3482	2.4	1.4	1.8
N2-02-022G (*MWSC*)	6145	0	1.1	1.6
E-02-2242G (*Halbrook*)	9699	0	0	1.3
E-02-3346G (*Gauntt*)	13068	0	0	1.2

Summary

The modeling methodology, assumptions, and results included in the RWHA report are reasonable based on the data presented in the RWHA memorandum. AGS was able to produce virtually identical results for the transmissivity estimates from the pumping test data and the drawdown and impact analysis. AGS concludes that the aquifer test analysis and drawdown estimates by RWHA in support of the permit application by MWSC represent sound hydrogeologic analysis.

Geoscientist's Seal:



The seal appearing on this document was authorized
by Andrew C.A. Donnelly, P.G. 737 on 10/20/2023.
Advanced Groundwater Solutions, LLC
TBPG Firm Registration No. 50639

Moffat WSC
N2-13-001P
3 Year Water Levels

Well Water Levels Data 09/29/2023, 9:48 AM

Well	Measurement Date/Time	Final Depth (ft)	Measurement	Source	Notes
N2-13-001P	2023-09-05T17:00:00.000Z	549.9	Acoustic Meter	Owner	
N2-13-001P	2023-08-02T17:00:00.000Z	530.6	Acoustic Meter	Owner	
N2-13-001P	2023-07-05T17:00:00.000Z	541.6	Acoustic Meter	Owner	
N2-13-001P	2023-05-01T17:00:00.000Z	548.3	Acoustic Meter	Owner	
N2-13-001P	2023-04-03T17:00:00.000Z	535.7	Acoustic Meter	Owner	
N2-13-001P	2023-03-01T18:00:00.000Z	550.9	Acoustic Meter	Owner	
N2-13-001P	2023-02-06T18:00:00.000Z	525.3	Acoustic Meter	Owner	
N2-13-001P	2022-12-02T18:00:00.000Z	533.4	Acoustic Meter	Owner	
N2-13-001P	2022-11-01T17:00:00.000Z	530.7	Acoustic Meter	Owner	
N2-13-001P	2022-10-05T17:00:00.000Z	530.9	Acoustic Meter	Owner	
N2-13-001P	2022-09-01T17:00:00.000Z	520.9	Acoustic Meter	Owner	
N2-13-001P	2022-08-04T17:00:00.000Z	523.3	Acoustic Meter	Owner	
N2-13-001P	2022-07-01T17:00:00.000Z	547.8	Acoustic Meter	Owner	
N2-13-001P	2022-04-04T17:00:00.000Z	535.1	Acoustic Meter	Owner	
N2-13-001P	2022-02-01T18:00:00.000Z	514.3	Acoustic Meter	Owner	
N2-13-001P	2022-01-05T18:00:00.000Z	516.8	Acoustic Meter	Owner	
N2-13-001P	2021-12-03T18:00:00.000Z	516.1	Acoustic Meter	Owner	
N2-13-001P	2021-11-01T17:00:00.000Z	524.9	Acoustic Meter	Owner	
N2-13-001P	2021-10-06T17:00:00.000Z	530	Acoustic Meter	Owner	
N2-13-001P	2021-09-03T17:00:00.000Z	561.1	Acoustic Meter	Owner	
N2-13-001P	2021-08-03T17:00:00.000Z	596.7	Acoustic Meter	Owner	
N2-13-001P	2021-07-02T17:00:00.000Z	511.5	Acoustic Meter	Owner	

Well	Measurement Date/Time	Final Depth (ft)	Measurement	Source	Notes
N2-13-001P	2021-06-01T17:00:00.000Z	514.4	Acoustic Meter	Owner	
N2-13-001P	2021-05-03T17:00:00.000Z	500.4	Acoustic Meter	Owner	
N2-13-001P	2021-03-02T18:00:00.000Z	458.6	Acoustic Meter	Owner	

Moffat WSC
N2-02-022G
3 Year Water Levels

Well Water Levels Data 09/29/2023, 9:46 AM

Well	Measurement Date/Time	Final Depth (ft)	Measurement	Source	Notes
N2-02-022G	2023-09-05T17:00:00.000Z	525.9	Acoustic Meter	Owner	
N2-02-022G	2023-08-02T17:00:00.000Z	515.7	Acoustic Meter	Owner	
N2-02-022G	2023-07-05T17:00:00.000Z	533.9	Acoustic Meter	Owner	
N2-02-022G	2023-05-01T17:00:00.000Z	530.9	Acoustic Meter	Owner	
N2-02-022G	2023-04-03T17:00:00.000Z	532.8	Acoustic Meter	Owner	
N2-02-022G	2023-03-01T18:00:00.000Z	524.8	Acoustic Meter	Owner	
N2-02-022G	2023-02-06T18:00:00.000Z	518.4	Acoustic Meter	Other	
N2-02-022G	2022-12-02T18:00:00.000Z	520.7	Acoustic Meter	Owner	
N2-02-022G	2022-11-01T17:00:00.000Z	518.5	Acoustic Meter	Owner	
N2-02-022G	2022-10-05T17:00:00.000Z	518.6	Acoustic Meter	Owner	
N2-02-022G	2022-09-01T17:00:00.000Z	509.1	Acoustic Meter	Owner	
N2-02-022G	2022-08-04T17:00:00.000Z	512.1	Acoustic Meter	Owner	
N2-02-022G	2022-07-01T17:00:00.000Z	515.8	Acoustic Meter	Owner	
N2-02-022G	2022-01-05T18:00:00.000Z	509.7	Acoustic Meter	Owner	
N2-02-022G	2021-12-03T18:00:00.000Z	509	Acoustic Meter	Owner	
N2-02-022G	2021-11-01T17:00:00.000Z	508.4	Acoustic Meter	Owner	
N2-02-022G	2021-10-06T17:00:00.000Z	517.6	Acoustic Meter	Owner	
N2-02-022G	2021-09-03T17:00:00.000Z	518.5	Acoustic Meter	Owner	
N2-02-022G	2021-08-03T17:00:00.000Z	522.5	Acoustic Meter	Owner	
N2-02-022G	2021-07-02T17:00:00.000Z	509	Acoustic Meter	Owner	
N2-02-022G	2021-06-01T17:00:00.000Z	501.4	Acoustic Meter	Owner	
N2-02-022G	2021-05-03T17:00:00.000Z	522.7	Acoustic Meter	Owner	

Well	Measurement Date/Time	Final Depth (ft)	Measurement	Source	Notes
N2-02-022G	2021-04-01T17:00:00.000Z	505.4	Acoustic Meter	Owner	
N2-02-022G	2021-03-02T18:00:00.000Z	505.3	Acoustic Meter	Owner	
N2-02-022G	2021-01-04T18:00:00.000Z	497.6	Acoustic Meter	Owner	

Trinity Aquifer Status Report

Trinity Aquifer Status Report – October 2023

DFC Analysis Over Time (2000-Present) Modeled Available Groundwater			HEUP and OP Permit Analysis Relative to the Modeled Available Groundwater			2023 YTD Total Prod. Jan - Sep 1520.60 ac-ft 30.07%		Pending Applications		Exempt Well Reservations		
Trinity Aquifer (by layer)	**DFC Adopted *** Average Drawdown (by layer)	**MAG **** Ac-ft Current	**HEUP** Ac-ft (by layer)	**OP** Ac-ft (by layer)	**Total Permitted** Ac-ft (by layer)	2022 YTD Prod. (by layer)	2023 YTD Prod. (by layer)	**Available for Permitting** Ac-ft (by layer)	**Pending Applications** Ac-ft (by layer)	**Exempt Well Reserve** Ac-ft (by layer)	**2022 Exempt Well Use Estimate** Ac-ft (by layer)	**Available Exempt Use** Ac-ft (by layer)
Pawluxy	NA	0	0	0	**0**	0	0	0	0			0
Glen Rose (upper)	**-1.38 ft/yr** -83 ft/60 yrs	275	61.9	72.73	**134.63**	23.79	30.67	0	0	140.37	189	0
Hensell (middle)	**-2.28 ft/yr** -137 ft/60 yrs	1100	259.3	208.44	**467.74**	67.06	36.51	84.26	0	548	527	21
Hosston (lower)	**-5.50 ft/yr** -330 ft/60 yrs	7900	1181.4	3273.59	**4454.99**	1842.71	1453.42	3267.01	***604.20	178	59	119
Total		**9275**	1502.6	3554.76	**5057.36**	1933.56 (40.77%)	1520.60 (30.07%)	3351.27	**604.20**	866.37	793	140

**Desired Future Conditions (DFC) is the description of how the aquifer should look in the future (60 years).*

***The Modeled Available Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater UWCD by the Executive Administrator of TWDB.*

****Pending applications*

City of Temple N3-23-004P (239 ac-ft/yr)
UMHB N3-23-005P (64 ac-ft/yr)
Moffat WSC N2-02-022G & N2-12-001P (51.4 ac-ft/yr)
Mustang Springs N3-23-010P & N3-23-011P (249.8 ac-ft/yr)

Exempt Well Use Summary

CUWCD Exempt Well Use Summary

As of: 10/24/2023

Aquifer	Total Active Registered Exempt Wells[3]	Registered Domestic Wells	Estimated Domestic Use Gallons/Day[1,2]	Estimated Domestic Use Ac-ft/Year[1,2]	Registered Stock Wells	Estimated Stock Use Gallons/Day[4]	Estimated Stock Use Ac-ft/Year[4]	Total Estimated Use Gallons/Day[7]	Total Estimated Exempt Well Use Ac-ft/Year[7]	MAG Reserved Exmpt Well Use
Glen Rose (Upper Trinity)	426	349	102,103	114	77	66,528	75	168,631	189	
Hensell (Middle Trinity)	972	911	417,446	468	61	52,704	59	470,150	527	
Hosston (Lower Trinity)	159	148	43,299	49	11	9,504	11	52,803	59	
Trinity (Total)[6]	1,557	1,408	562,848	630	149	128,736	144	691,584	775	1,419
Edwards BFZ	846	715	209,180	234	131	113,184	127	322,364	361	825
Edwards Equivalent	485	386	112,928	126	99	85,536	96	198,464	222	
Buda	28	15	4,388	5	13	11,232	13	15,620	17	
Lake Waco	8	3	878	1	5	4,320	5	5,198	6	
Austin Chalk	226	141	41,251	46	85	73,440	82	114,691	128	
Ozan	161	114	33,352	37	47	40,608	45	73,960	83	
Pecan Gap	67	44	12,873	14	23	19,872	22	32,745	37	
Kemp	15	11	3,218	4	4	3,456	4	6,674	7	
Alluvium	584	377	110,295	124	207	178,848	200	289,143	324	
Other[5]	1,574	1,091	319,183	358	483	417,312	467	736,495	825	
CUWCD Total Active	3,977	3,214	1,091,212	1,222	763	659,232	738	1,750,444	1,961	

1. Domestic use estimate assumes 106 gallons/person per day (USGS estimate of domestic use outside of a municipal water system) and 2.76 persons/household (U.S. Census Bureau, Population Estimates Program (PEP) July 1, 2019)

2. Benjamin G. Wherley, Ph.D. Associate Professor- Turfgrass Science & Ecology Dept. of Soil and Crop Sciences Texas A&M University estimate of 2,000ft² warm season turfgrass requires 38,855gal/yr/lawn or 106gal/day/lawn; "Ranchette" Avg. lawn size is 13,042ft² , 6.5X larger; 6.5 X 106gal/day/lawn= 689gal/day/lawn; ~217 "Ranchette" Middle Trinity Wells; 689 X 217=an additional 150,924gal/day/lawn; ***490ac-ft/yr or an 89% increase in Middle Trinity exempt well use from the 2018 estimate of 258ac-ft/yr.***

3. Exempt well use estimate factors out all plugged, capped, monitor and inactive wells in the database.

4. Source of stock water estimates is Texas Agrilife Extension @ 18 gallons water per day per cow. Livestock water use estimates are based on the 2017 Census of Agriculture, USDA National Agricultural Statistics Service. 36,868 cows / 771 stock wells= 48 cows/stock well; 48* 18gpd= 846 gal/day/stock well, ***747ac-ft/yr or a 34% increase in annual stock use from the 2018 estimate of 556ac-ft/yr.***

5. The "Other" designation is the total of minor aquifer and alluvium source designation of the exempt wells.

6. Trinity Aquifer wells registered with unknown depth are assigned to the Middle Trinity per Board decision.

7. All estimates of groundwater use by exempt well owners is based on assumptions and scientific data, but by no means are they to be interpreted as recommended practices by CUWCD.

MWSC Application
Submitted

APPLICATION FOR PERMIT AMENDMENT

AGGREGATED SYSTEM (2 WELLS)
PERMIT No: H-23-009T, O-23-012
LOWER TRINITY PUBLIC SUPPLY WELLS

Submitted to:

Clearwater
Underground Water Conservation District
Every drop counts!

Submitted by:

MOFFAT WATER SUPPLY CORP.

July 2023

MOFFAT WATER SUPPLY CORP.

July 18, 2023

Clearwater Underground Water Conservation District
Attn: Mr. Dirk Aaron, General Manager
P.O. Box 1989
Belton, Texas 76513

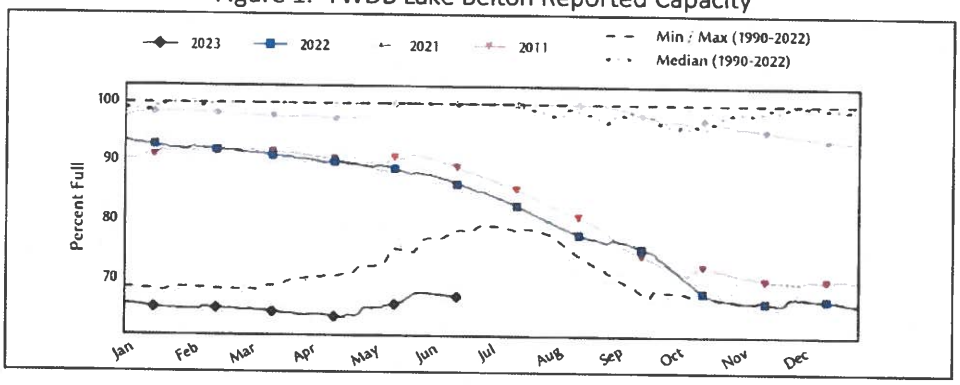
Re: Cover Letter for Application Permit Amendment Request, Permit No: H-23-009T and O-23-012

Dear Dirk,

Moffat Water Supply Corporation (Moffat) procured professional services from R.W. Harden & Associates, Inc. (RWH&A) to perform a hydrogeological study on both wells used for pumping and supplying public drinking water to its membership and submit applications with supporting documents for permit amendment. Moffat currently holds a Historic & Existing Use Permit (H-23-009T) with a maximum annual permitted withdrawal amount of 15,543,092 gallons or 47.7 acre-feet and an Operating Permit (O-23-012) with a maximum permitted withdrawal amount of 66,962,468 gallons or 157.8 acre-feet that is aggregated with their two wells, Well #1 (District Well N-02-022G) and Well #2 (District Well N2-13-001P). Moffat's current aggregated permitted capacity with the system is 205.5 acre-feet per year and is requesting a twenty-five percent increase, 51.4 acre-feet per year, for a total aggregated amount of 256.90 acre-feet per year.

In addition to the groundwater supply from its two wells, Moffat also purchases treated and filtered surface water from Bluebonnet Water Supply Corporation (Bluebonnet) who gets its water from Belton Lake. Bluebonnet is a wholesale water supply corporation that was established to supplement their customers' demand obligations and is limited to the amount of water available which is rationed between the contracted parties when necessary. According to the Texas Water Development Board (TWDB), Belton Lake is currently 67.3 percent full (June 15, 2023) and is below the minimum value from 1990 through 2022 as shown in Figure 1.

Figure 1. TWDB Lake Belton Reported Capacity



When current lake levels conditions are present, Bluebonnet's raw water in-take structure experiences a thirty-three percent (33%) reduction in raw water production for water treatment.

Since January 2018, Moffat WSC has experienced a thirteen percent (13%)[1] increase in system growth and experiences regular growth throughout the system mainly in new residential construction. Annual water sales increased twenty-five percent (25%)[2] for a daily average sold upsurge from 0.339 MGD to 0.447 MGD for years ending 2018 and 2022, respectively[3].

Due to water availability conditions, the unpredictability and reliability of surface water supplies, increase in residential growth, and financial considerations, Moffat desires to utilize the additional groundwater capacity to be less reliant on Bluebonnet for surface water; and Moffat will potentially gain fiscal benefit over $50,000.00 per year with the additional capacity by reducing annual water purchased[4].

There is no current industry standard for acceptable percent water loss, but Moffat's goal is always zero percent (0%). Moffat recently made an aggressive approach to further identify unaccounted water loss by contracting leak detection services from Acoustic Leak Detection, LLC to survey the entire system (75 miles of waterlines) by end of September 2023. Areas identified during the survey will be addressed accordingly.

Moffat appreciates CUWCD consideration with approving their application and permit amendment request that was packaged and delivered on their behalf from RWH&A. If you have any questions, please contact me at (254) 986-2457 or dboniface@moffatwatersupply.com.

[1] Usage and Loss Report, Active Meters column for 01-2018 versus 12-2022.

[2] Usage and Loss Report, Total Water Sold for years ending 2018 versus 2022.

[3] Usage and Loss Report, Total Water Sold daily average for years ending 12-2018 versus 12-2022.

[4] 51.4 acre-feet = 16,749,000 gallons ÷ 1,000 gallons = 16,749 * $3.50 per 1,000 gallons = $58,621 potential annual savings for surfaced water purchased.

Respectfully,

Damon B. Boniface
General Manager

Enclosures: Usage and Loss Reports for years 2018 through 2022
Services agreement, Acoustic Leak Detection, LLC

Moffat Water Supply Corp
Proposed amendement to Aggregate Operation Permit
c/o Damon Boniface

Permit Fee Schedule

Title	Annual Withdrawal (ac-ft)	Withdrawal Limit Condition	Drilling Permit Base Fee	Drilling Permit Progressive Fee	Progressive Fee Unit	Operating Permit Base Fee	Operating Permit Progressive Fee	Progressive Fee Unit
Level I†	0	Up to and including 1 ac-ft	$ 150.00	$ -	-	$ -	$ -	-
Level II†	1	Up to but not including 5 ac-ft	$ 150.00	$ 210.00	per ac-ft	$ -	$ -	-
Level III	5	Up to but not including 130 ac-ft	$ 400.00	$ 15.00	per ac-ft	$ 600.00	$ 20.00	per ac-ft
Level IV	130	Equal to or Greater than 130 ac-ft	$ 2,200.00	$ 7.50	per ac-ft	$ 3,300.00	$ 10.00	per ac-ft

† Level I and Level II use a Combination Permit, the Combination Permit fees are listed under Drilling Fees

Enter Your Proposed Withdrawal in ac-ft: 51.4

The above amount requires a **Two-Step Permit ****

*A Combination Permit covers both drilling and operating a well

**A Two-Step Permit requires 1 drilling permit and 1 operating permit

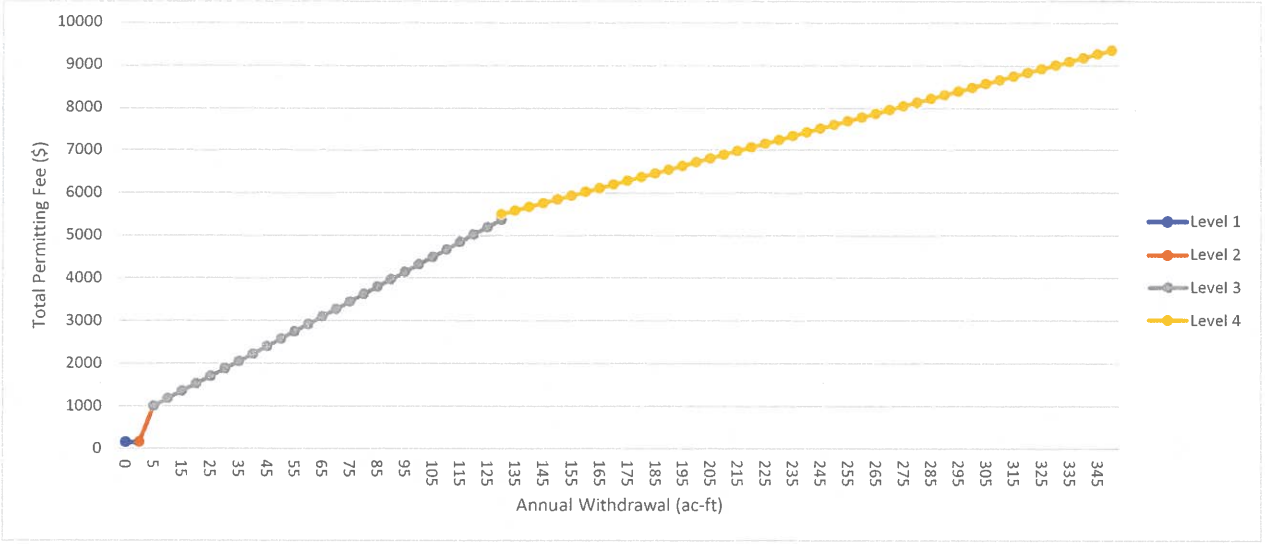
Combined Permit Cost: n/a

		Maximum
Two-Step Permit Cost:		
Drilling Permit Cost:	$ 1,096.00	$ 7,500.00
Operating Permit Cost:	$ 1,528.00	$ 10,000.00
Total Cost to Permit:	$ 2,624.00	$ 17,500.00

How do I use this tool?

1. Enter your proposed withdrawal amount (in ac-ft) in the blue rectangle cell above
2. The tool will tell you whether your withdrawal amount requires a **Combination Permit** or a **Two-Step Permit**
3. The cell(s) highlighted in green show how much a permit for your proposed withdrawal amount will cost ***BEFORE*** the cost maximum is applied
4. The cells in the "Your Fee" section, under the Table of Fees, shows the same permit cost ***AFTER*** the cost maximum is applied
5. Below is a graphic representation of Clearwater's schedule of fees

Table of Fees			
ac-ft	Combined Fee	Drilling Fee	Operating Fee
0.5	$ 150.00	-	-
1	$ 150.00	-	-
2	$ 360.00	-	-
3	$ 570.00	-	-
4	$ 780.00	-	-
5	$ 1,000.00	$ 400.00	$ 600.00
30	$ 1,875.00	$ 750.00	$ 1,125.00
55	$ 2,750.00	$ 1,100.00	$ 1,650.00
80	$ 3,625.00	$ 1,450.00	$ 2,175.00
105	$ 4,500.00	$ 1,800.00	$ 2,700.00
130	$ 5,500.00	$ 2,200.00	$ 3,300.00
155	$ 5,937.50	$ 2,375.00	$ 3,562.50
180	$ 6,375.00	$ 2,550.00	$ 3,825.00
205	$ 6,812.50	$ 2,725.00	$ 4,087.50
230	$ 7,250.00	$ 2,900.00	$ 4,350.00
Your Fee			
51.4	$ 2,624.00	$ 1,096.00	$ 1,528.00



CLEARWATER UWCD
PO BOX 1989
BELTON TX 76513-5989

70120 1 AB 0.534 *0108542 SI

RECEIVED
AUG 02 2023
BY: DA

MOFFAT WATER SUPPLY CORPORATION
5460 LAKEAIRE BLVD
TEMPLE TX 76502

Account Name: MOFFAT WATER SUPPLY
Account Number: paytotheaccountsofMoffatWaterSupplyCorp
Subscriber Name: MOFFAT WATER SUPPLY CORPORATION

Date: 7/24/2023
Total: $1528.00

0000001921

INVOICE NUM	TYPE	AMOUNT	DESCRIPTION
Invoice	1528.00	Permit Fee	

THIS CHECK IS VOID WITHOUT THE SAFETY FEATURES LISTED ON THE BACK

Apply to account: paytotheaccountsofMoffatWaterSupplyCorp - MOFFAT WATER SUPPLY CORPORATION

74095470

MOFFAT WATER SUPPLY CORPORATION
5460 LAKEAIRE BLVD
TEMPLE, TX 76502

48-719
1119

Central National Bank
8320 West Highway 84
Waco TX 76712

DATE
07/24/2023

0000001921

PAY TO THE ORDER OF: CLEARWATER UWCD

AMOUNT
**$1528.00

ONE THOUSAND, FIVE HUNDRED TWENTY-EIGHT DOLLARS AND NO/100

CENTRAL NATIONAL BANK
Waco's Leading Independent Bank

Signature on File -
account holder has pre-approved this check

Void After 90 Days

Moffat WSC
N2-02-022G, N2-13-001P
Applicatio forms TAB 1

Tab 1. Complete CUWCD Application for Non-Exempt Well Classification 3 – Permit Amendment

N2-02-0226 Well #1

Clearwater Underground Water Conservation District

Phone: 254/933-0120 Fax: 254/933-8396
P.O. Box 1989, Belton, TX 76513

Every drop counts!

Application for Non-Exempt Well Classification 3

Check one of the following:	Answer the following:		
○ COMBINATION PERMIT	Is this for a New Well?	○ Yes	◉ No
○ DRILLING PERMIT	Is this for a Replacement Well?	○ Yes	◉ No
○ OPERATING PERMIT	Do you plan to Export Water Outside District?	○ Yes	◉ No
◉ PERMIT AMENDMENT	Are you modifying a Drilling Permit?	○ Yes	◉ No
	Are you modifying an Operating Permit?	◉ Yes	○ No

1. **Owner Information**
   Well Owner: Moffat Water Supply Corporati **Email:** dboniface@moffatwatersuppl **Telephone:** (254) 986-245
   Address (Street/P.O. Box, City, State, ZIP): 5460 Lakeaire Blvd.
   Contact Person (if other than owner): Damon Boniface **Telephone:** (254) 986-2457
   If ownership of Well has changed, name the previous owner: Not Applicable (NA) State Well #: 4053406

2. **Property Location & Proposed Well Location**
   Owner of Property (if different from Well Owner): NA
   The well is located in Management Zone: Belton Lake
   Acreage: 0.252 **Bell CAD Property ID #:** 75241 & 14796 **Latitude:** 31.196690 **Longitude:** -97.459566

3. **Well Description** (Submit if State of Texas Well Report is Available)
   a. Proposed use of well and estimated amount of water, **in acre-feet**, to be used for each purpose:
   _____ *Domestic; _____ Livestock/Poultry; _____ Agricultural/Irrigation;
   256.9 AF** Public Supply; _____ Industrial _____ Other
   *Total number of houses to be serviced by the well 1,682.
   ** Applicant is required to give notice to TCEQ to obtain or modify a Certificate of Convenience and Necessity to provide water or wastewater service with water obtained pursuant to the requested permit.
   b. Estimated distance, **in feet**, from the nearest:
   8' / 86' N / S Property Line; 67' / 42' E / W Property Line; 585' Existing Septic Leach Field
   7,100' River, Stream, or Lake; 6,100' Existing Water Well; 52' Livestock Enclosure;
   NA Other Source of Contamination (cemetery, pesticide mixing/loading, petroleum storage tank, etc.)
   c. **Estimated Rate of Withdrawal (GPM):** 210
   d. **Is the Property subject to flooding?** No
   e. **Is there another well on the property?** No ; If YES, how many wells? NA
   f. **Is the well part of a multi-well aggregate system?** Yes
   If YES, list the State or District Well Numbers: N2-02-022G (Well 1) & N2-13-001P (Well 2)

REQUIRED BY LAW: Pump Installer / Well Driller Information

Name: *See attached driller's report Street Address: _____
TDLR Pump Installer License #: _____ City, State, ZIP: _____
TDLR Well Driller License #: _____ Phone: _____ Fax: _____
Email: _____

Name of Consultant preparing Application (if applicable): _____
Con. Phone: _____ Con. Fax: _____ Con. Email: _____

4. **Completion Information**

Provide the following information to the extent known and available at the time of application:

Proposed Total Depth of Well: *See driller's ft;

Borehole Diameter (Dia): 11 inches (in) from 0 to 1192;

Dia (2) NA in from NA to NA;

Casing Material: steel; Inside Diameter (ID): nominal 7 in;

Screen Type: torch slotted steel; Screen Dia. 4.5 in from 1075 to 1192; # of Packers: Not report

Pump Type: Submersible; **Power:** Electric; **Horsepower Rating:** 60.00;

Pump Depth: 1,000'; **Column Pipe ID:** 3 in.

Date Completed: 1966

Proposed Water Bearing Formation: Lower Trinity; **Management Zone:** Belton Lake

5. **Operating Permit**

Number of contiguous acres owned or leased on which water is to be produced: 0.252 acres

Total annual production requested with this operating permit: see below acre-feet

If exporting water, what is the annual volume requested for export out of the District: NA Gallons

What is the annual volume requested for export as a % of total pumpage: NA %

If modifying an operating permit, what is the current, permitted annual production: 205.5 ac-ft

What is the requested amount of annual production: 256.9 ac-ft

6. **Attachments**

Include a statement/documentation explaining your requested production.

If amending an existing permit, explain the requested amendment and the reason for the amendment in a signed and dated letter, attached to this application.

If requesting operating permits or permit renewals for multiple wells, please attach a separate sheet with the information requested in Section 5 for each well.

If applicant plans to export water outside the District, address the following in an attachment and provide documents relevant to these issues:

- The availability of water in the District and in the proposed receiving area during the period requested
- The projected effect of the proposed export on aquifer conditions, depletion, subsidence, or effects on existing permit holders or other groundwater users within the District
- How the proposed export is consistent with the approved regional water plan and certified District Management Plan

For more attachments that may be needed, please see the *Full Summary of the Permit Application Process* document.

7. **Certification**

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief. I certify to abide by the terms of the District Rules, the District Management Plan, and orders of the Board of Directors. I agree to comply with all District well plugging and capping guidelines as stated in the District Rules.

Typed Name of the Owner or Designee: Damon B. Boniface

Signature: Damon B. Boniface Digitally signed by Damon B. Boniface Date: 7/18/23

N2-02-0226

NE GW 7

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas

WATER WELL REPORT

AX 40-53-505

For TWDB use only
Well No. 40-53-5A
Located on map 40S
Received: 67
Form GW 8
Form GW 9

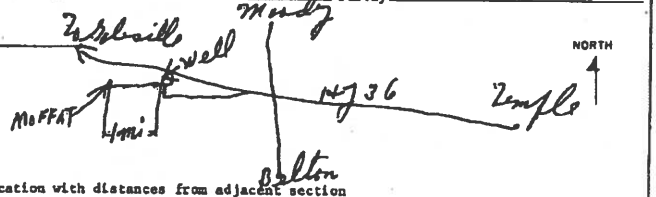
1) OWNER:
Person having well drilled Moffat Water Supply Corp. (Name) Address (Street or RFD) Moffat (City) Texas (State)

Landowner same (Name) Address (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Bell Labor League Abstract No.

NW¼ NE¼ SW¼ SE¼ of Section Block No. Survey
(Circle as many as are known)

10 miles in N. W. (NE., S.W., etc) direction from Temple (Town)



Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.

3) TYPE OF WORK (Check):
New Well ☒ Deepening ☐
Reconditioning ☐ Plugging ☐

4) PROPOSED USE (Check):
Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

5) TYPE OF WELL (Check):
Rotary ☒ Driven ☐ Dug ☐
Cable ☐ Jetted ☐ Bored ☐

6) WELL LOG:
Diameter of hole 11 in. Depth drilled 1192 ft. Depth of completed well 1192 ft. Date drilled 12-3-66

All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	1	soil
1	335	white rock
335	345	shale & lime
345	907	lime
907	935	broken sandy shale & lime
935	965	sand
965	1090	broken sand & shale
1090	1188	sand
1188	1192	yellow shale

(Use reverse side if necessary)

7) COMPLETION (Check):
Straight wall ☒ Gravel packed ☐ Other ☐
Under reamed ☐ Open hole ☐

8) WATER LEVEL:
Static level 250 ft. below land surface Date 12-3-66
Artesian pressure ____ lbs. per square inch Date ____

9) CASING:
Type: old ☐ New ☒ Steel ☒ Plastic ☐ Other ☐
Cemented from 1095 ft. to top ft. 300 sks of cement

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
~~1095~~			
7" O. D.	0	1095	201b

10) SCREEN:
Type mill
Perforated ☐ Slotted ☒

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot size
4½" O. D.	1192	1075	torch

11) WELL TESTS:
Was a pump test made? ☒ Yes ☐ No If yes by whom? C. M. Stoner
Yield: 120 gpm with 283 ft. drawdown after 41 hrs
Bailer test ____ gpm with ____ ft. drawdown after ____ hrs
Artesian flow ____ gpm Date ____
Temperature of water ____
Was a chemical analysis made? ☒ Yes ☐ No
Did any strata contain undesirable water? ☐ Yes ☒ No
Type of water? good depth of strata ____

12) PUMP DATA:
Manufacturer's Name ____
Type ____ H.P. ____
Designed pumping rate ____ gpm ☐ gph ☐
Type power unit ____
Depth to bowls, cylinder, jet, etc., ____ ft. below land surface.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME C. M. Stoner (Type or Print) Water Well Drillers Registration No. 17

Address Rt 4 (Street or RFD) Cleburne (City) Texas (State)

(Signed) C. M. Stoner (Water Well Driller) Stoner Drilling Co. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available. AX 40-53-505

N2-13-001P Well #2

Clearwater Underground Water Conservation District

Phone: 254/933-0120 Fax: 254/933-8396
P.O. Box 1989, Belton, TX 76513

Every drop counts!

Application for Non-Exempt Well Classification 3

Check one of the following:	Answer the following:		
◯ COMBINATION PERMIT	Is this for a New Well?	◯ Yes	◯ No
◯ DRILLING PERMIT	Is this for a Replacement Well?	◯ Yes	◯ No
◯ OPERATING PERMIT	Do you plan to Export Water Outside District?	◯ Yes	◯ No
◯ PERMIT AMENDMENT	Are you modifying a Drilling Permit?	◯ Yes	◯ No
	Are you modifying an Operating Permit?	◯ Yes	◯ No

1. **Owner Information**
   Well Owner: Moffat Water Supply Corporati **Email:** dboniface@moffatwatersuppl **Telephone:** (254) 986-245
   Address (Street/P.O. Box, City, State, ZIP): 5460 Lakeaire Blvd.
   Contact Person (if other than owner): Damon Boniface **Telephone:** (254) 986-2457
   If ownership of Well has changed, name the previous owner: Not Applicable (NA) State Well #: 4053507

2. **Property Location & Proposed Well Location**
   Owner of Property (if different from Well Owner): NA
   The well is located in Management Zone: Belton Lake
   Acreage: 1.97 **Bell CAD Property ID #:** 75241 & 1479 **Latitude:** 31.205449 **Longitude:** -97.459560

3. **Well Description** (Submit if State of Texas Well Report is Available)
   a. Proposed use of well and estimated amount of water, **in acre-feet**, to be used for each purpose:
   _____ *Domestic; _____ Livestock/Poultry; _____ Agricultural/Irrigation;
   256.9 AF** Public Supply; _____ Industrial _____ Other
   *Total number of houses to be serviced by the well 1,682.
   ** Applicant is required to give notice to TCEQ to obtain or modify a Certificate of Convenience and Necessity to provide water or wastewater service with water obtained pursuant to the requested permit.
   b. Estimated distance, **in feet**, from the nearest:
   219' / 87' N / S Property Line; 177' / 105' E / W Property Line; >500' Existing Septic Leach Field
   7,100' River, Stream, or Lake; 6,100' Existing Water Well; 1,500' Livestock Enclosure;
   _____ Other Source of Contamination (cemetery, pesticide mixing/loading, petroleum storage tank, etc.)
   c. **Estimated Rate of Withdrawal (GPM):** 230
   d. **Is the Property subject to flooding?** No
   e. **Is there another well on the property?** No ; If YES, how many wells? NA
   f. **Is the well part of a multi-well aggregate system?** Yes
   If YES, list the State or District Well Numbers: N2-02-022G (Well 1) & N2-13-001P (Well 2)

REQUIRED BY LAW: Pump Installer / Well Driller Information

Name: *See attached driller's report Street Address: _____
TDLR Pump Installer License #: _____ City, State, ZIP: _____
TDLR Well Driller License #: _____ Phone: _____ Fax: _____
Email: _____

Name of Consultant preparing Application (if applicable): _____
Con. Phone: _____ Con. Fax: _____ Con. Email: _____

4. **Completion Information**

Provide the following information to the extent known and available at the time of application:

Proposed Total Depth of Well: *See driller's ft;

Borehole Diameter (Dia): 7 7/8 inches (in) from 0 to 1260 ;

Dia (2) 13 1/2 in from 0 to 1150 ;

Casing Material: steel ; Inside Diameter (ID): nomintal 8 in;

Screen Type: steel ; Screen Dia. 4 in from 1140 to 1225 ; # of Packers: Not repor

Pump Type: Submersible ; **Power**: Electric ; **Horsepower Rating**: 75.00 ;

Pump Depth: 798' ; **Column Pipe ID**: 4 in.

Date Completed: January 2013

Proposed Water Bearing Formation: Lower Trinity ; **Management Zone**: Belton Lake

5. **Operating Permit**

Number of contiguous acres owned or leased on which water is to be produced: 1.97 acres

Total annual production requested with this operating permit: see below acre-feet

If exporting water, what is the annual volume requested for export out of the District: NA Gallons

What is the annual volume requested for export as a % of total pumpage: NA %

If modifying an operating permit, what is the current, permitted annual production: 205.5 ac-ft

What is the requested amount of annual production: 256.9 ac-ft

6. **Attachments**

Include a statement/documentation explaining your requested production.

If amending an existing permit, explain the requested amendment and the reason for the amendment in a signed and dated letter, attached to this application.

If requesting operating permits or permit renewals for multiple wells, please attach a separate sheet with the information requested in Section 5 for each well.

If applicant plans to export water outside the District, address the following in an attachment and provide documents relevant to these issues:

- The availability of water in the District and in the proposed receiving area during the period requested
- The projected effect of the proposed export on aquifer conditions, depletion, subsidence, or effects on existing permit holders or other groundwater users within the District
- How the proposed export is consistent with the approved regional water plan and certified District Management Plan

For more attachments that may be needed, please see the *Full Summary of the Permit Application Process* document.

7. **Certification**

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief. I certify to abide by the terms of the District Rules, the District Management Plan, and orders of the Board of Directors. I agree to comply with all District well plugging and capping guidelines as stated in the District Rules.

Typed Name of the Owner or Designee: Damon B. Boniface

Signature: Damon B. Boniface Digitally signed by Damon B. Boniface Date: 7/18/23

Attention Owner: Confidentiality Privilege Notice on reverse side of owner's copy.

Texas Department of Licensing and Regulation

Water Well Driller/Pump Installer Program
P.O. Box 12157 Austin, Texas 78711 (512) 463-7880 FAX (512) 463-8616
Toll free (800) 803-9202
Email address: water.well@license.state.tx.us

This form must be completed and filed with the department and owner within 60 days upon completion of the well.

WELL REPORT

1) OWNER — A. WELL IDENTIFICATION AND LOCATION DATA

Name	Address	City	State	Zip
MOFFAT WSC	5456 LAKEAIRE BLVD	TEMPLE	TX	76502

2) WELL LOCATION

County	Physical Address	City	State	Zip
BELL	12191 SOUTH WHITEHALL RD	TEMPLE	TX	76502

3) Type of Work: ☒ New Well ☐ Reconditioning ☐ Replacement ☐ Deepening

Lat. N 31° 12' 19.61" Long. W 97° 26' 33.86" Grid #

4) Proposed Use (check): ☐ Monitor ☐ Environmental Soil Boring ☐ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☒ Public Supply ☐ De-watering ☐ Testwell ☐ Rig Supply ☐ Stock or Livestock — If Public Supply, were plans approved? ☒ Yes ☐ No

5) NT

6) Drilling Date: Started 10/24/2012 Completed 1/15/2013

Diameter of Hole

Dia. (in)	From (ft)	To (ft)
	Surface	
26	0	-10
7 7/8	0	-1260
13 1/2	0	-1150

7) Drilling Method (check): ☐ Driven ☐ Air Rotary ☒ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Hollow Stem Auger ☐ Reverse Circulation ☐ Other

From (ft)	To (ft)	Description and color of formation material
0	3	UNCONSOLIDATED ROCK & CLAY
3	5	TAN CLAY
5	54	TAN CHALK
54	58	TAN CLAY
58	185	LIMESTONE
185	288	BROWN MUDSTONE
288	315	HARD GRAY MUDSTONE
315	817	LIMESTONE
817	965	MUDSTONE, LIMESTONE
965	1012	GRAY SAND
1012	1030	GRAY SHALE
1030	1045	LIMESTONE
1045	1182	GRAY SHALE

(Use reverse side of Well Owner's copy, If necessary)

8) Borehole Completion ☐ Open Hole ☐ Straight Wall ☐ Under-reamed ☒ Gravel Packed ☐ Other

Gravel Packed interval from -1105 ft. to -1240 ft. Size: 8X16

Casing, Blank Pipe, and Well Screen Data

Dia. (in.)	New Or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft) From	Setting (ft) To	Gage Casing Screen
20	N	STEEL CASING	0	-10	
8.825	N	STEEL CASING	+2	-1140	
4	N	STEEL CASING	-1100	-1140	
4	N	STEEL SCREEN	-1140	-1225	060

9) Annular Seal Data: i.e. *(from 0 ft to 100 ft #sacks & material 13 cement)*

from 0 ft. to -10 ft. #sacks & material 24 CEMENT
from 0 ft. to -1105 ft. #sacks & material 553 CEMENT
from ____ ft. to ____ ft. #sacks & material ____

Method Used PRESSURE CEMENT (SEE ATTACHED)
Distance to septic field or other concentrated contamination 100+ ft.
Distance to Property Line 100+ ft Method OWNER
Verified: OWNER

13) Plugged ☐ Well plugged within 48 hours

Casing left in well: Cement/Bentonite placed in well:

From (ft)	To (ft)	From (ft)	To (ft)	Material used & # Sacks

10) Surface Completion (If steel cased, leave blank)
☒ Surface Slab Installed ☐ Surface Sleeve Installed ☐ Pitless Adapter Used ☐ Alternative Procedure Used

14) Type Pump: ☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder ☐ Other ____

Depth to pump bowls, cylinder, jet, etc., -714 ft.

11) Water Level
Static level -485 ft. Date 12/1/2012
Artesian Flow N/A gpm

15) Water Test
Type test ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 220 gpm with 69 ft. drawdown after 20 hrs.

12) Packers

Type	Depth	Type	Depth

16) Water Quality
Type of water: FRESH Depth of Strata: -1140 Was a chemical analysis made? ☒ Yes ☐ No
Did you knowingly penetrate a strata which contains undesirable constituents? ☐ Yes ☒ No If yes, Continue:
Check One: ☐ Naturally poor-quality groundwater – type ____ ☐ Hydrocarbons (i.e. gas, oil, etc.) ☐ Hazardous material/waste contamination encountered ☐ Other (describe) ____

☐ *I certify that while drilling, deepening, or otherwise altering the above described well, undesirable water or constituents was encountered and the landowner was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.*

Company or Individual's Name (type or print) ANDREWS & FOSTER DRILLING CO. Lic. No. 2023

Address PO BOX 348 City ATHENS State TX Zip 75751

Signature	Licensed Driller/Pump Installer	Date	Signature	Apprentice	Date
Donald A [illegible]		2 15 13			/ /

Additional information or comments:

WELL REPORT CONFIDENTIALITY NOTICE

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.

From (ft)	To (ft)	Description and color of formation material
1182	1197	GRAY SAND, SHALE STREAKS
1197	1208	GRAY CLAY
1208	1220	GRAY SAND
1220	1225	GRAY CLAY
1225	1260	HARD GRAY MUDSTONE

Surface / Groundwater Source Water Usage 2021-2023

SOURCE WATER USAGE - ACRE/FEET

2021													
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TOTAL
GROUND [1]	1.4	16.1	18.6	10.5	10.8	21.1	30.9	38.0	24.2	11.5	6.4	11.6	201.3
SURFACE [1]	29.4	26.3	18.1	26.5	23.0	27.8	23.5	29.8	44.7	33.6	30.7	24.6	338.0
TOTAL	30.8	42.4	36.7	37.0	33.8	48.9	54.4	67.8	68.9	45.2	37.1	36.2	539.3

2022													
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TOTAL
GROUND [1]	18.4	13.2	19.1	23.7	13.0	20.2	15.7	0.8	14.5	31.2	17.5	17.2	204.6
SURFACE [1]	20.8	23.5	24.3	27.7	48.7	58.7	73.8	77.9	46.9	33.1	28.0	30.5	493.9
TOTAL	39.2	36.7	43.4	51.4	61.8	78.9	89.4	78.8	61.5	64.2	45.6	47.6	698.5

2023													
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TOTAL
GROUND [1]	11.2	14.2	26.5	29.2	26.5	31.7	1.0	23.7	19.2				183.0
SURFACE [1]	33.3	27.4	27.3	21.5	30.3	49.8	91.4	69.7	61.3				412.2
TOTAL	44.5	41.6	53.8	50.7	56.9	81.5	92.3	93.4	80.5				595.3

[1]Recorded values are from MWSC's Monthly Operating Reports

Notification Requirements

Publisher's Affidavit

State of Texas
County of Bell

Before Me, The Undersigned Authority, this day personally appeared Jane Moon after being by me duly sworn, says that she is the Classified Manager Inside Sales of the Temple Daily Telegram, a newspaper published in Bell County, Texas and that the stated advertisement was published in said newspaper on the following date(s):

October 5, 2023

For: Moffat Water Supply Corp.
Ad #: 16687874
Cost: $174.45
Times Published: 1

Jane Moon
Classified Manager Inside Sales

Subscribed and sworn to before me,
this day: October 5, 2023

Notary Public in and for
Bell County, Texas

(Seal)

TERI ZAMORA
Notary Public, State of Texas
Comm. Expires 11-05-2023
Notary ID 10837339

NOTICE OF APPLICATION FOR AMENDMENT TO OPERATING PERMIT FROM CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Damon Boniface, General Manager for Moffat Water Supply Corporation, has submitted an application, on behalf of Moffat Water Supply Corporation, to the Clearwater Underground Water Conservation District (CUWCD) on August 26, 2023, for an amendment to their current aggregated annual operating permit in a two well public water supply system.

This proposed amendment to their existing operating permit will authorize an additional amount of 51.4 acre-feet per year or 16,748,741 gallons per year from their two well aggregate system producing from the Hosston Layer of the Trinity Aquifer in the Belton Lake Management Zone described in District Rule 7.1 and within the Certificate of Convenience & Necessity #TX0140028 per District Rule 9.5 thus meeting the minimum tract size for a public water supply.

Well #1 *(N-02-022G, equipped with a 3-inch column pipe, 75 hp @ 210 gpm, located approximately in the 6500 Block of Water Supply Rd, Temple, Texas 76502, Latitude 31.196690°/Longitude -97.456560°)* and Well #2 *(N2-13-001P, equipped with a 4-inch column pipe, 75 hp @ 230 gpm, located at 12091 South Whitehall Rd, Moody, TX 76557, Latitude 31.205449°/Longitude -97.459560°)*. Both wells are completed in the Lower Trinity Aquifer (Hosston Layer) producing groundwater for public water supply currently permitted to produce an annual aggregated quantity not to exceed 205.5 acre-feet or 66,962,380.5 gallons per year.

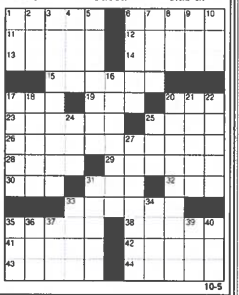
This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must appear at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact the CUWCD at 700 Kennedy Court, Belton, Texas 76513, 254-933-0120. The applicant, Mr. Damon Boniface, may be contacted at 5460 Lakeaire Blvd, Temple TX 76502, or by phone at 254-986-2457.

CROSSWORD
By THOMAS JOSEPH

ACROSS
1 Wine barrels
6 Form
11 Little hooter
12 West Point student
13 Plow pioneer John
14 UV stopper
15 Make possible
17 Music booster
19 Fuming
20 Relaxing resort
23 Fresh face, say
25 Action star Jackie
26 Tiring climb
28 Vaccine type
29 Fall back
30 Neither follower
31 Torment
32 Spot to jot
33 Like some arguments
35 Writer P.D.
38 Take as one's own
41 Up in the air
42 Chad neighbor
43 Prison problems
44 Irritable

DOWN
1 Atlantic catch
2 Stunned wonder
3 PJs, say
4 "Show-boat" composer
5 Fill with mist
6 Bawl out
7 Visibility lessener
8 Fuss
9 Signing need
10 Hot time in Paris
16 Home to many Golden State Warriors fans
17 Williams of "Happy Days"
18 Paris subway
20 Border collies, e.g.
21 Bamboo eater
22 Paid for a hand
24 Salon stuff
25 300, to Caesar
27 Navigating aid
31 Suit pieces
33 Influence
34 Falco of "The Sopranos"
35 Mayo buy
36 Clay, later
37 Cattle call
39 Puppy or parrot
40 Take a stab at

Yesterday's answer



10-5

(254) 778-4444
10 South 3rd Street
Temple, Texas 76501

TEMPLE DAILY TELEGRAM

sudoku
©Puzzles by Pappocom

		1						
4		7	9	3	5	2		
9				1	4	5	3	7
7			4		1	9	8	
	4	9	3			1		
		6			9	3		2
		5				7		4
	7			5	3		2	
			1	4	7			3

Difficulty: ★★★ 10/5

How to Play:
Using the numbers provided, complete the grid so that every row, column, and 3x3 square contains the numbers 1-9 without duplications. Find solutions, tips and computer program at www.sudoku.com

5	4	9	7	1	3	6	8	2
1	6	3	4	8	2	9	7	5
8	2	7	9	5	6	3	4	1
3	5	2	1	9	4	8	6	7
6	8	4	5	3	7	2	1	9
9	7	1	6	2	8	4	5	3
4	9	8	3	7	5	1	2	8
7	1	8	2	6	9	5	3	4
2	3	5	8	4	1	7	9	6

Yesterday's Solution

AXYDLBAAXR
is LONGFELLOW

One letter stands for another. In this sample, A is used for the three L's, X for the two O's, etc. Single letters, apostrophes, the length and formation of the words are all hints. Each day the code letters are different.

10-5 CRYPTOQUOTE

PJARSYARP FJB DOUR SJ RWGCJNR SDR LONZQRPP SJ KRS HOIZ SJ SDR CYKDS OQL KRS HOIZ SJ EDJ FJB ONR.

— VRQQYXRN CJGRM

Yesterday's Cryptoquote: IN WAKING A TIGER, USE A LONG STICK. — MAO ZEDONG

CLASSIFIEDS

TEMPLE DAILY TELEGRAM

254-778-4444

index

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tdthomes.com

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These featured ads are running for the 1st Time today!

Looking for a rental home? Call LVR Management today! **254-771-2228** www.lvrmgt.com

EFFICIENCIES Bills Paid. Furnished. Ramona Courtyard, Near VA. From $525. 254-778-1374. Eat Free Nearby.

NORTHSIDE 2BR, 1BA. Quiet cul-de-sac. Hardwood floors. Fenced backyard. 917 Duval. Temple. $1095/900. 254-913-8808

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(254)778-4444
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Rentals

Apartments Furnished 9

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Looking for a rental home? Call LVR Management today! **254-771-2228** www.lvrmgt.com

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Call today! **254.778.4444**

Houses Unfurnished 14

FOR LEASE:
MUST SEE Completely Remodeled 2/1/1. New HT/AC, W-D connections. all hardwood floors, thermal windows, new roof turbin vents, fresh paint. Beautiful fenced yard with trees. Safe neighborhood.
1819 S. 11th, Temple. Call 254-760-6867 By appointment only.

NORTHSIDE 2BR, 1BA. Quiet cul-de-sac. Hardwood floors. Fenced backyard. 917 Duval. Temple. $1095/900. 254-913-8808

Business Property 20

INDUSTRIAL BLDGS
2200 sqft /2000 sqft w/docks O/S city near I 35
254-760-8152
"Will build to suit."

Announcements

Public Notices 30 & Legals

NOTICE
The below described item is abandoned at:

TEMPLE TOWING INC
3815 Shallow Ford West Rd.
Temple TX 76502
254-771-1303
TDLR5868248VSF
www.tdlr.texas.gov

Orange Toyota Forklift Model 8FGU30.
Charges as of 10/04/2023 $2,079.83

If the vehicle is not claimed 30 days after the date this notice is sent gives this vehicle storage facility the right to dispose of the vehicle. Additionally, failure to claim the vehicle is a waiver of all right, title, or interest in the vehicle and personal property and a consent to sell the vehicle at a public sale.

Rentals

Commercial Property For Lease
CONVENIENTLY LOCATED IN DOWNTOWN TEMPLE
- 7,700 total sq. ft. available including office space
- Suitable for light industrial usage
- Rear Loading Dock with overhead doors front/back
- High visibility on corner lot with access from Central Ave and 7th St.
- Convenient off-street customer parking

254-774-5204
for more information

Notices

CITY OF BELTON, TEXAS
NOTICE OF PUBLIC HEARINGS ON AMENDMENTS TO THE ZONING ORDINANCE

The Planning and Zoning Commission will conduct a meeting at 5:30 p.m., Tuesday, October 17, 2023, at the Harris Community Center, 401 N. Alexander Street, Belton, Texas, to consider the following amendments:

A. Amendments to the Zoning Ordinance:

1. Z-23-23 - Hold a public hearing and consider a zoning change from Commercial-1 to Commercial Highway District on approximately 25.881 acres located at 2508 S. IH 35, on the east side of interstate 35, north of Shanklin Road and south of E. Grove Road as submitted by Crunk Engineering LLC, representing property owners HMH Cedar Crest LLC.

2. Z-23-24 - Hold a public hearing and consider a zoning change from Agricultural (A) to Commercial - 2, on approximately 2.76 acres located at 4073 W. US Highway 190 Svc. Road, on the south side of interstate 14, west of FM 1670, and east of Dogridge Road, submitted by Michael Jensen, representing property owners Temple Pro Ventures Industrial, LLC.

3. Z-23-25 - Hold a public hearing and consider a zoning change from Agricultural (A) to Commercial - 1 on approximately 4.395 acres located at 4564 Dogridge Rd, on the south side of Interstate 14, west of George Wilson Rd and east Simmons Rd as submitted by Michael Maspano, representing property owners Moondog Properties, LLC.

Items recommended by the Planning and Zoning Commission will be forwarded to the City Council for consideration during their meeting at 5:30 p.m., Tuesday, October 24, 2023, at the Harris Community Center, 401 N. Alexander Street, Belton, Texas.

Information regarding possible amendments to the Zoning and Subdivision Ordinances are on file for public examination in the Planning Department at City Hall, 333 Water Street, Belton, Texas.

If you require interpreter services for the deaf or hearing impaired, please contact the City Clerk at least 48 hours in advance, at 254-933-5817.

Entertainment & Recreation 32

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VFW Post #4008
Belton
Lic #1-74-0066507-2
WED. AFTERNOONS
Doors Open 11:00am
Session Starts 12:30pm
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Doors Open 2:00pm
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AT "THE HALL"
12141 FM 2268 EAST
4 JACKPOTS
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Personals 37

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Business & Services

Tree Service 53

Professional & Affordable TREE SERVICES
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Pells Firewood and Tree Trimming

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Notices

NOTICE OF APPLICATION FOR A DRILLING PERMIT FROM CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Dr. Gretchen Miller, Ph.D., P.E., P.G., has submitted an application, on behalf of Mr. James Kerby, Jaste Interests L.P. (Mustang Springs Development), to the Clearwater Underground Water Conservation District (CUWCD) on September 8, 2023, for two permits to authorize drilling for two proposed new public water supply wells.

This permit, if approved, will authorize the drilling and completion of two wells (Well #1: *N3-23-01PP & Well #2: N3-23-01PP*) located in the Strillaw Hollow Management Zone described in District Rule 7.1. The proposed wells are to be completed in the Lower Trinity Aquifer (Hosston Layer), with a maximum 4-inch column pipe on a 118± acre housing development located on the north side of FM 2843 approximately 4 miles west of the village of Salado. Well #1 is located at Latitude 30.9112472°N, Longitude -97.6251472° on a 2.74-acre tract of land. Well #2 is located at Latitude 30.9109971°N, Longitude -97.6251111° on an 18.30-acre tract of land. The applicant wishes to collect future production of groundwater for public water supply at a proposed combined annual quantity not to exceed 249.8 acre-feet or 81,397,380 total gallons per year at a maximum pumping rate not to exceed 320 gallons per minute per well.

This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must answer at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact the CUWCD at 700 Kennedy Court, Belton, Texas 76513, 254-933-0120. The applicant's representative, Dr. Gretchen Miller, may be contacted at 1205 Sam Bass Rd., Bldg. B, Ste. 300, Round Rock TX 78681, or by phone at 512-851-8748.

NOTICE OF APPLICATION FOR AMENDMENT TO OPERATING PERMIT FROM CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Damon Bonface, General Manager for Moffat Water Supply Corporation, has submitted an application, on behalf of Moffat Water Supply Corporation, to the Clearwater Underground Water Conservation District (CUWCD) on August 26, 2023, for an amendment to their current aggregated annual operating permit in a two well public water supply system.

This proposed amendment to their existing operating permit will authorize an additional amount of 31.0 acre-feet per year or 16,740,741 gallons per year from the two well aggregate system producing from the Hosston Layer of the Trinity Aquifer in the Belton Lake Management Zone described in District Rule 7.1 and within the Certificate of Convenience & Necessity #CCN-40028 per District Rule 9.3 thus meeting the minimum tract size for a public water supply.

Well #1 (*N-02-02PG, equipped with a 3-inch column pipe 75 ha @ 218 gpm, located approximately in the 8200 block of Water Supply Rd, Temple, Texas 76501, Latitude 31.1966990°Longitude -97.4566690°*) and Well #2 (*N2-12-08P, equipped with a 4-inch column pipe, 72 ha @ 230 gpm, located at 12891 South Whitehall Rd, Moody, TX 76557, Latitude 31.2054990°Longitude -97.4395600°*. Both wells are completed in the Lower Trinity Aquifer (Hosston Layer) producing groundwater for public water supply currently permitted to produce an annual aggregated quantity not to exceed 265.5 acre-feet or 86,967,380.5 gallons per year.

This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must answer at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact the CUWCD at 700 Kennedy Court, Belton, Texas 76513, 254-933-0120. The applicant, Mr. Damon Boniface, may be contacted at 5460 Lakeview Blvd Temple TX 76501, or by phone at 254-986-3457.

Employment

SPORTS REPORTER

The Temple Daily Telegram seeks a full-time sports reporter, page designer and copy editor for our sports department.

The ideal candidate will possess a strong knowledge of all major sports and excel in grammar, spelling, punctuation and Associated Press style. This position is suited for someone who is creative, detail-oriented and self-motivated, works well under deadline pressure and is prepared to work nights and weekends.

Job duties will include covering local high school and college sports, designing front and inside pages (including agate) using InDesign, and editing local and wire stories.

Experience at a daily newspaper is desired, but a recent college graduate with outstanding work examples and strong references will be considered.

Benefits package included.

To apply:
Email your resume and writing samples to Eric Drennan at edrennan@tdtnews.com

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•ALLEY'S TRUCKING• Topsoil, Mixed Soil, Sand, Rock Gravel Base 947-3757

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SHORTY'S Landscaping. Mowing, weedeating, edging, tree service, flower beds, mulching, concrete work & more. 254-768-3031

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In the search field out Belton.
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Financial

Loans 147

ATTENTION: It is illegal for a loan company to require earnest money or a down payment before you can borrow money. Beware of loan companies that ask YOU to send THEM money for a loan.

Merchandise

Misc. Items 180

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Chemo scarves, Turbans
Wed-Fri 9:00-3:00

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Temple Garage Sales 200

GARAGE SALE KITS AVAILABLE
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tax included
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254-778-4444

NOTICE OF APPLICATION FOR AMENDMENT TO OPERATING PERMIT FROM CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Damon Boniface, General Manager for Moffat Water Supply Corporation, has submitted an application, on behalf of Moffat Water Supply Corporation, to the Clearwater Underground Water Conservation District (CUWCD) on August 26, 2023, for an amendment to their current aggregated annual operating permit in a two well public water supply system.

This proposed amendment to their existing operating permit will authorize an additional amount of 51.4 acre-feet per year or 16,748,741 gallons per year from their two well aggregate system producing from the Hosston Layer of the Trinity Aquifer in the Belton Lake Management Zone described in District Rule 7.1 and within the Certificate of Convenience & Necessity #TX0140028 per District Rule 9.5 thus meeting the minimum tract size for a public water supply.

Well #1 (*N-02-022G, equipped with a 3-inch column pipe, 75 hp @ 210 gpm, located approximately in the 6500 Block of Water Supply Rd, Temple, Texas 76502, Latitude 31.196690°/Longitude -97.456560°*) and Well #2 (*N2-13-001P, equipped with a 4-inch column pipe, 75 hp @ 230 gpm, located at 12091 South Whitehall Rd, Moody, TX 76557, Latitude 31.205449°/Longitude -97.459560°*). Both wells are completed in the Lower Trinity Aquifer (Hosston Layer) producing groundwater for public water supply currently permitted to produce an annual aggregated quantity not to exceed 205.5 acre-feet or 66,962,380.5 gallons per year.

This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must appear at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact the CUWCD at 700 Kennedy Court, Belton, Texas 76513, 254-933-0120. The applicant, Mr. Damon Boniface, may be contacted at 5460 Lakeaire Blvd, Temple TX 76502, or by phone at 254-986-2457.

October 2, 2023

NOTICE OF APPLICATION FOR AMENDMENT TO OPERATING PERMIT

Name
Address
City, TX Zip

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RE: Application for an Operating Permit Amendment

To Whom It May Concern:

I, Damon Boniface, General Manager for Moffat Water Supply Corporation, has submitted an application, on behalf of Moffat Water Supply Corporation, to the Clearwater Underground Water Conservation District (CUWCD) on August 26, 2023, for an amendment to their current aggregated annual operating permit in a two well public water supply system.

This proposed amendment is to our existing operating permit for authorization for an additional amount of 51.4 acre-feet per year or 16,748,741 gallons per year from our two well aggregate system producing from the Hosston Layer of the Trinity Aquifer in the Belton Lake Management Zone described in District Rule 7.1 and within our Certificate of Convenience & Necessity (CCN) #TX0140028 per District Rule 9.5 thus meeting the minimum tract size for a public water supply.

Well #1 (N-02-022G, is equipped with a 3-inch column pipe, rated at 75 hp @ 210 gpm, located approximately in the 6500 Block of Water Supply Rd, Temple, Texas 76502, Latitude 31.196690°/Longitude -97.456560°) and Well #2 (N2-13-001P, is equipped with a 4-inch column pipe, rated at 75 hp @ 230 gpm, located at 12091 South Whitehall Rd, Moody, TX 76557, Latitude 31.205449°/Longitude -97.459560°). Both wells are completed in the Lower Trinity Aquifer (Hosston Layer) producing groundwater for public water supply and are currently permitted to produce an annual aggregated quantity not to exceed 205.5 acre-feet or 66,962,380.5 gallons per year.

This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must appear at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact the CUWCD at 700 Kennedy Court, Belton, Texas 76513, 254-933-0120. The applicant, Mr. Damon Boniface, may be contacted at 5460 Lakeaire Blvd, Temple TX 76502, or by phone at 254-986-2457.

Sincerely,

Damon Boniface
General Manager
Moffat Water Supply Corporation CCN # *TX*0140028

N2-13-001P Contact List

Wells 1/2 Mile

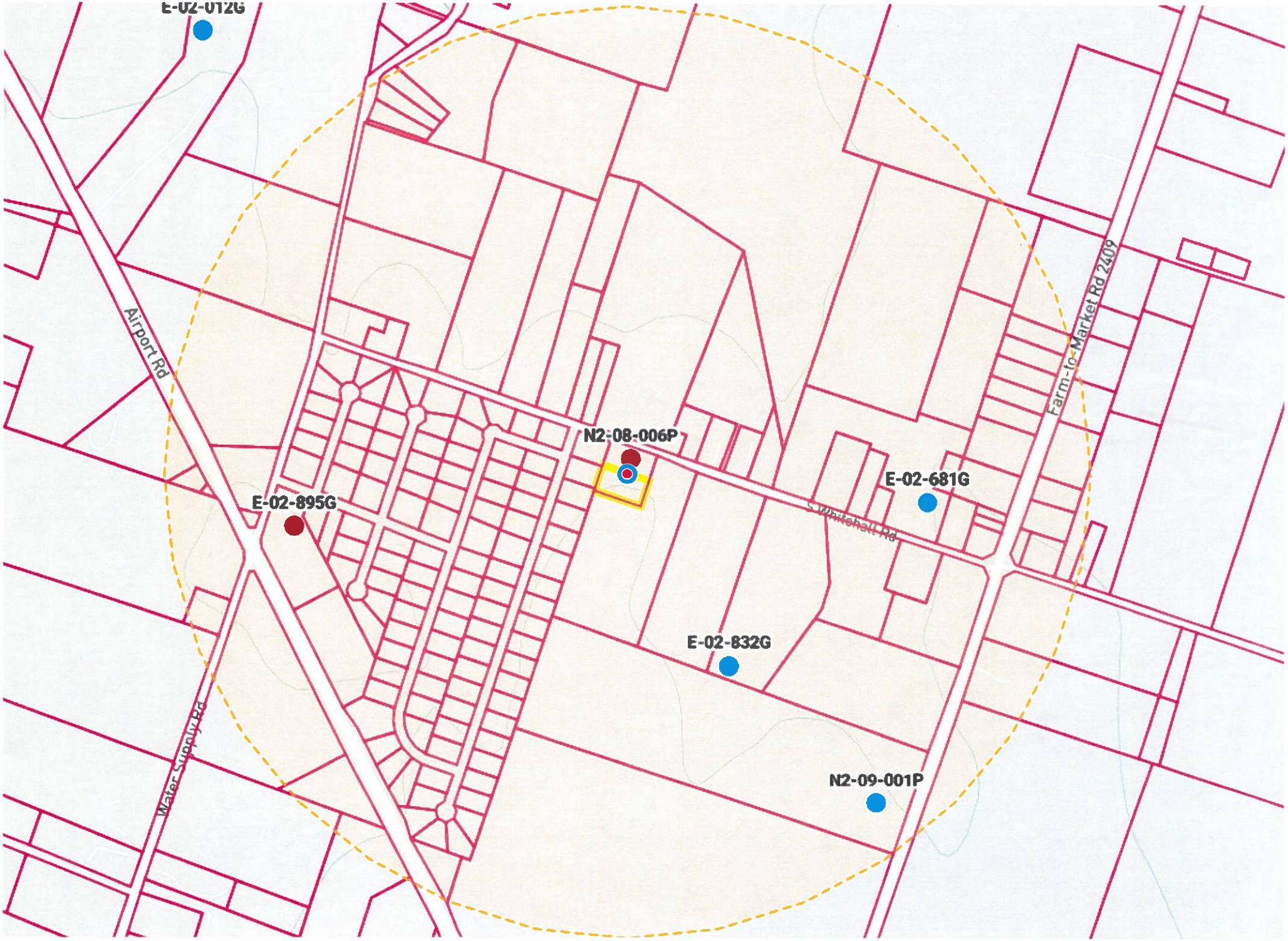
Prop ID	Name	Address	City	State	Zip	Well #	Status	Depth	Aquifer	Use	Distance
67178	Barbara Mackey Young & Robert Mackey	8712 Oakbend Cove	Temple	TX	76502	E-02-681G	Inactive	125	Edwards Equiv.	Not Used	1,732 ft
396884	Adam & Julie Pusey	8 Keel Lane	Belton	TX	76513	E-02-832G	Inactive	192	Edwards Equiv.	Not Used	1,243 ft
366694	Kimberly Langston	3217 Crystal Ann Dr	Temple	TX	76502	N2-09-001P	Active	1000	Middle Trinity	Ag/Irrigation	2,345 ft

Adjacent Property

75240	Moffat Water Supply Corp	5460 Lakeaire Rd	Temple	TX	76502
513669	Wall Development LLC	8702 Adams Lane	Temple	TX	76502
513668	Wall Development LLC	8702 Adams Lane	Temple	TX	76502
513667	Wall Development LLC	8702 Adams Lane	Temple	TX	76502
408565	Cory Rance	12071 S Whitehall Rd	Moody	TX	76557

N2-13-001P Mailing List

Name	Address	City	State	Zip
Barbara Mackey Young & Robert Mackey	8712 Oakbend Cove	Temple	TX	76502
Adam & Julie Pusey	8 Keel Lane	Belton	TX	76513
Kimberly Langston	3217 Crystal Ann Dr	Temple	TX	76502
Wall Development LLC	8702 Adams Lane	Temple	TX	76502
Cory Rance	12071 S Whitehall Rd	Moody	TX	76557


E-02-0126
Airport Rd
N2-08-006P
E-02-895G
E-02-681G
Farm-to-Market Rd 2409
E-02-832G
Water Supply Rd
N2-09-001P

N2-02-022G Contact List

Wells 1/2 Mile

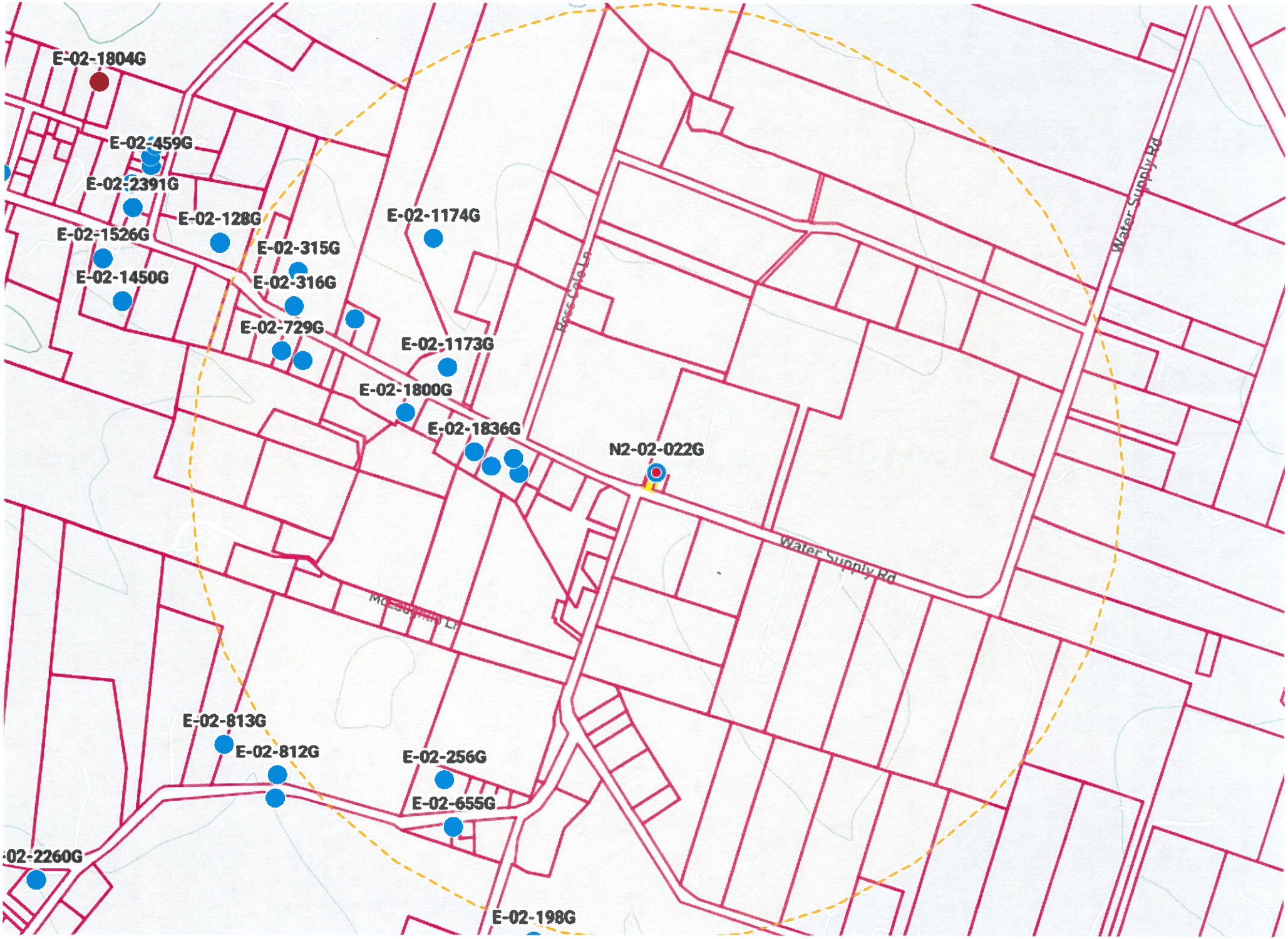
Prop ID	Name	Address	City	State	Zip	Well #	Status	Depth	Aquifer	Use	Distance
6204	Bruce Ford	13551 Moffat Rd	Temple	TX	76502	E-02-2496G	Inactive	300	Edwards Equiv.	Not Used	776 ft
6204	Bruce Ford	13551 Moffat Rd	Temple	TX	76502	E-02-2497G	Active	150	Edwards Equiv.	Domestic	810 ft
6204	Bruce Ford	13551 Moffat Rd	Temple	TX	76502	E-02-2174G	Inactive	270	Edwards Equiv.	Not Used	933 ft
11667	Rick & Lisa Miller	13561 Moffat Rd	Temple	TX	76502	E-02-1836G	Active	97	Edwards Equiv.	Domestic	1,036 ft
57349	Leon Jezek	13711 Moffat Rd	Temple	TX	76502	E-02-1800G	Active	101	Edwards Equiv.	Domestic	1,460 ft
472760	Charles & Janice Rush	13686 Moffat Rd	Temple	TX	76502	E-02-1173G	Active	unknown	Upper Trinity	Domestic	1,323 ft
472760	Charles & Janice Rush	13686 Moffat Rd	Temple	TX	76502	E-02-1174G	Active	unknown	Upper Trinity	Domestic	1,823 ft
78786	Kelvin Neugent	13818 Moffat Rd	Temple	TX	76502	E-02-1565G	Inactive	100	Edwards Equiv.	Not Used	1,915 ft
19090	Bob Chaffin c/o John Chaffin	4480 Lindemann Rd	Bartlett	TX	76511	E-02-255G	Active	125	Edwards Equiv.	Domestic	2,096 ft
129135	First Baptist Church of Moffat	13929 Moffat Rd	Temple	TX	76502	E-02-729G	Inactive	unknown	Upper Trinity	Not Used	2,224 ft
78863	Nancy Harler	13880 Moffat Rd	Temple	TX	76502	E-02-315G	Active	940	Middle Trinity	Domestic	2,318 ft
78863	Nancy Harler	13880 Moffat Rd	Temple	TX	76502	E-02-316G	Active	935	Middle Trinity	Domestic	2,252 ft
75218	Moffat Community Center Assoc.	14049 Indian Bluff Rd	Temple	TX	76502	E-02-256G	Inactive	125	Edwards Equiv.	Not Used	2,106 ft
46146	Gaddis Harmon	13399 Kuykendall Mountain Rd	Temple	TX	76502	E-02-655G	Inactive	180	Edwards Equiv.	Not Used	2,301 ft

Adjacent Property

147980	Moffat Water Supply Corp.	5460 Lakeaire Blvd	Temple	TX	76502
10901	Bluebonnet Water Supply Corp.	15939 Warren Lawson Loop	Temple	TX	76502
134768	Wayne & Donna Aregood	6035 Water Supply Rd	Temple	TX	76502

N2-02-022G Mailing list

Name	Address	City	State	Zip
Bruce Ford	13551 Moffat Rd	Temple	TX	76502
Rick & Lisa Miller	13561 Moffat Rd	Temple	TX	76502
Leon Jezek	13711 Moffat Rd	Temple	TX	76502
Charles & Janice Rush	13686 Moffat Rd	Temple	TX	76502
Kelvin Neugent	13818 Moffat Rd	Temple	TX	76502
Bob Chaffin c/o John Chaffin	4480 Lindemann Rd	Bartlett	TX	76511
First Baptist Church of Moffat	13929 Moffat Rd	Temple	TX	76502
Nancy Harler	13880 Moffat Rd	Temple	TX	76502
Moffat Community Center Assoc.	14049 Indian Bluff Rd	Temple	TX	76502
Gaddis Harmon	13399 Kuykendall Mountain Rd	Temple	TX	76502
Bluebonnet Water Supply Corp.	15939 Warren Lawson Loop	Temple	TX	76502
Wayne & Donna Aregood	6035 Water Supply Rd	Temple	TX	76502


E-02-1804G
E-02-459G
E-02-2391G
E-02-128G
E-02-1526G
E-02-315G
E-02-1450G
E-02-316G
E-02-729G
E-02-1174G
E-02-1173G
E-02-1800G
E-02-1836G
N2-02-022G
Water Supply Rd
Water Supply Rd
E-02-813G
E-02-812G
E-02-256G
E-02-655G
-02-2260G
E-02-198G

USPS Postal Report 10/2/2023

Date	Recipient	Shipping Address	Service Type	Tracking Number	Shipped
10-02-23	Moffat Community Center Assoc	5038 LAKEAIRE CIR , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495436	Y
10-02-23	Barbara & Robert Mackey	8712 OAKBEND CV , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495276	Y
10-02-23	Bluebonnet Water Supply Corp	6100 WATER SUPPLY RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495306	Y
10-02-23	Bruce Ford	13551 MOFFAT RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495412	Y
10-02-23	Donna Aregood	6035 WATER SUPPLY RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495405	Y
10-02-23	Adam & Julie Pusey	8 KEEL LN , BELTON TX	PRIORITY_MAIL	420765139405830109355027495382	Y
10-02-23	Rick & Lisa Miller	13561 MOFFAT RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495283	Y
10-02-23	Cory Rance	12071 S WHITEHALL RD , MOODY TX	PRIORITY_MAIL	420765579405830109355027495429	Y
10-02-23	Bob Chaffin	4480 LINDEMANN RD , BARTLETT TX	PRIORITY_MAIL	420765119405830109355027495351	Y
10-02-23	Nancy Harler	13880 MOFFAT RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495399	Y
10-02-23	Wall Development	8702 ADAMS LN , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495337	Y
10-02-23	Kimberly Langston	3217 CRYSTAL ANN DR , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495320	Y
10-02-23	First Baptist Chruch of Moffat	13929 MOFFAT RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495344	Y
10-02-23	Leon Jezek	13711 MOFFAT RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495375	Y
10-02-23	Gaddis Harmon	13399 KUYKENDALL MOUNTAIN RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495368	Y
10-02-23	Kevin Neugent	13818 MOFFAT RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495290	Y
10-02-23	Charles & Janice Rush	13686 MOFFAT RD , TEMPLE TX	PRIORITY_MAIL	420765029405830109355027495313	Y

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Moffat WSC
N2-02-022G, N2-13-001P
RWHarden Aquifer Evaluation

Tab 2. Aquifer Evaluation / Well Completion Report

R W HARDEN &ASSOCIATES INC
GROUNDWATER RESOURCE PROFESSIONALS
9009 Mountain Ridge Dr • Suite 100 • Austin Texas 78759 • ph (512) 345-2379 • fax (512) 338-9372

TECHNICAL MEMORANDUM

Well Completion Report in Support of Request to Increase Permitted Aggregated Production Moffat Water Supply Corporation

---

Date: July 19, 2023

To: Dirk Aaron, General Manager, Clearwater Underground Water Conservation District

From: Elizabeth Ferry, P.G., R. W. Harden & Associates, Inc.

Introduction

On behalf of Moffat Water Supply Corporation (Moffat), R. W. Harden & Associates, Inc. (RWH&A) provides herein the results of aquifer testing and a summary of model simulated drawdown as a result of the requested permit amendment. Moffat currently holds an aggregated permit with their two wells, Well #1 (District Well N-02-022G) and Well #2 (District Well N2-13-001P). Moffat's current aggregated permitted capacity with the system is 205.5 acre-feet per year. Moffat is requesting to amend the current permit to increase the aggregated annual capacity from 205.5 acre-feet per year to 256.9 acre-feet per year, which is an increase of approximately 25 percent or 51.4 acre-feet per year of groundwater production from the Lower Trinity aquifer. The groundwater produced from the well system will be incorporated into Moffat's existing system for public supply use. No modifications to the current pumping equipment within the existing wells will be made as part of this permit amendment request.

Per the District Rule 6.9.2(f) and in support of Moffat's permit amendment request, RWH&A provides herein a summary of the estimated hydrogeologic parameters and estimated water level drawdown as a result of the proposed requested annual production increase. For clarity, within this report the District's Rules (2022) are italicized and subsequently followed by RWH&A's responses.

Rule 6.9.2(f)

Well Completion Reports required for final Operating Permit Applications under section 6.9.2(e) shall include:

1) *A lithology log based on the cuttings collected during Drilling;*
2) *For a new well, chip trays containing samples of the formation cuttings collected during Drilling with depth interval for each sample clearly marked;*
3) *Geophysical log with the Well name, location, depth, and Drilling fluid properties recorded on the log header;*

RWH&A understands the information available from each existing well is on record with CUWCD.

4) *Well completion diagram identifying (as applicable) the open and cased intervals, casing and screen type and size, filter pack interval, cement interval, pump and motor (model number, pump bowls, horsepower, etc.), pump setting, column pipe type and size, pump head, and other pertinent information related to the Well construction;*

5) *Pump curve for the final or proposed pump;*

RWH&A understands well completion information available for the existing wells is on record with CUWCD. The pump information was provided by Jurgensen Pump & Well Service (Jurgensen) and included within Attachment 1. Based on correspondence with Moffat and Jurgensen, the pump setting depth within Well #1 is 1,000 feet and the pump setting depth within Well #2 is 798 feet.

6) *Data and analysis from a minimum 24-hour pumping test;*

In February and March of 2023, RWH&A coordinated with Jurgensen who performed pumping tests at each well to document the current well and aquifer conditions. During each test, the existing well discharge assembly was not modified to allow Moffat to resume operating from their well system if needed; however, flow rates were pinched back to allow for adjusting/maintaining constant flows during testing. For testing purposes, a flow totalizer meter and a valve were utilized for monitoring and adjusting/maintaining constant flow rates. During each test, Jurgensen was on site to maintain a constant well discharge rate while recording instantaneous flow rates, airline water pressure, and above ground head pressures. In addition, during each test, the depth to water levels were measured and recorded utilizing an automatic pressure transducer lowered into a measurement pipe within the wellbore. During each pumping test, RWH&A periodically downloaded the transducer data and plotted the water level trends with the observed pumping rate. Digital recorded transducer data for each test will be provided via email as part of this report.

Although the intended pumping duration of each aquifer test was for a period of 24 hours, due to Moffat's system operations each constant-rate test was stopped after pumping continuously for 12 hours to allow resuming operation of the wells to serve the system. RWH&A applied standard hydrogeologic data analyses to time-drawdown data obtained during the aquifer tests to estimate the Lower Trinity aquifer parameters at each well site and compared to previously reported analyses. The Cooper-Jacob (1946) method was applied to estimate the local aquifer transmissivity in gallons per day per foot (gpd/ft). The data from each aquifer test are summarized in Table 1 and presented in Figures 1 through 3. Depth to water is reported in feet below ground level (ft bgl) and pumping rates are reported in gallons per minute (gpm).

Table 1. Summary of Aquifer Testing per Well Site

Aquifer Test Parameters	***Well 1 Results***	***Well 2 Results***
Pumping Test Start Date	March 22, 2023	February 15, 2023
Static (pre-test) Water Level	507.71 ft bgl	490.68 ft bgl
Average 12-Hour Pumping Rate	210 gpm	200 gpm
12-Hour Drawdown (ft)	66.70 feet	50.63 feet
12-Hour Specific Capacity	3.15 gpm/ft	3.95 gpm/ft
Estimated Aquifer Transmissivity	7,400 to 10,000 gpd/ft	9,600 gpd/ft

Results of testing indicate that the transmissivity of the local aquifer beneath each well site ranges from about 7,400 gpd/ft to 10,000 gpd/ft, and the results from recent testing in 2023 are comparable to results previously obtained.

Figure 1. Moffat Well 1 Chart (March 2023)

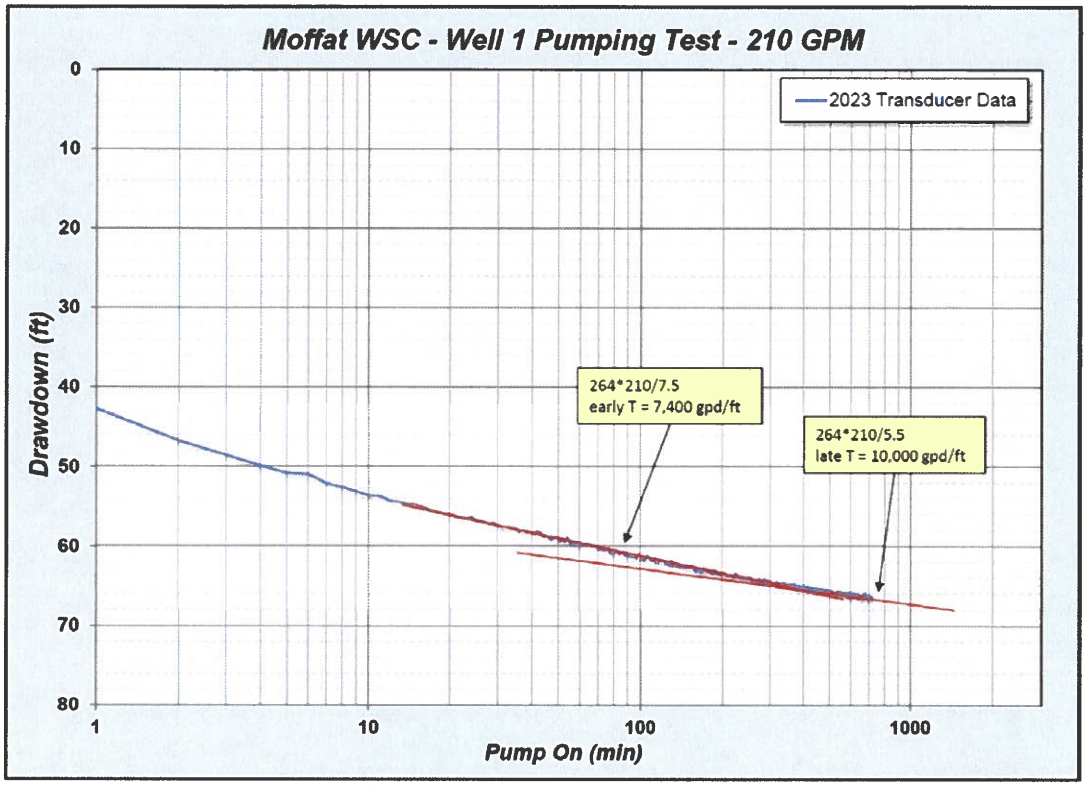


Figure 2. Moffat Well 1 Chart (January 1967) (Myers, 1969)

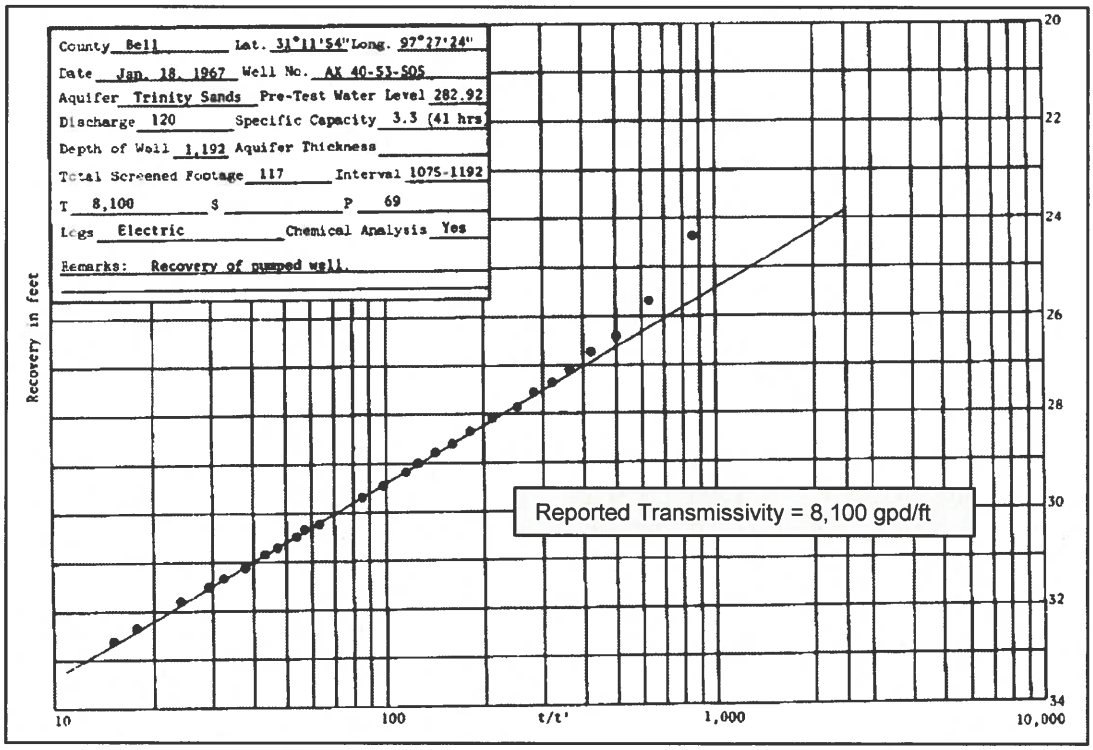
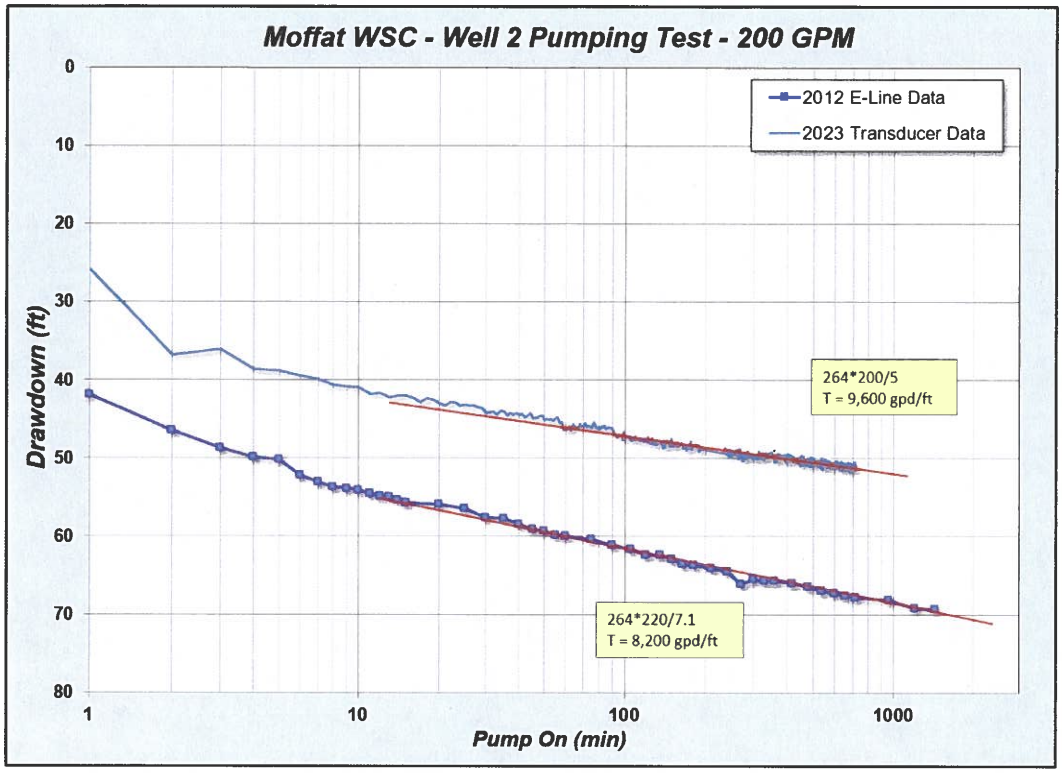


Figure 3. Moffat Well 2 Chart (February 2023 and November 2012)



7) Water quality analysis results from a NELAP certified laboratory; and

Laboratory water quality analyses will be provided by Moffat.

8) Predicted impacts of the proposed production from the Well, which may be provided by District staff or the District's consultants.

RWH&A performed analytical groundwater flow modeling utilizing the Theis non-equilibrium equation to estimate water level drawdown as a result of the requested increase in annual production from the aggregated well system. RWH&A ran three model simulations that included the following pumping rates and durations:

- Scenario 1 assumed an estimated instantaneous rate of production that is three times the average annual rate of 256.9 acre-feet per year (approximately 240 gpm per well) for a continuous period of 24 hours.
- Scenario 2 assumed a peak production capacity of three times the average annual rate of 256.9 acre-feet per year (approximately 240 gpm per well) for a continuous period of 30 days.
- Scenario 3 assumed the average annual requested pumping rate of 256.9 acre-feet per year (approximately 80 gpm per well) for a continuous period of one year.

Table 2 summarizes the aquifer parameters including transmissivity in gallons per day per foot (gpd/ft) and

aquifer storage at each well site used for analytical modeling.

Table 2. Model Input Parameters

Model Parameters	***Well 1***	***Well 2***
Transmissivity	7,400 gpd/ft	9,600 gpd/ft
Storage Coefficient	$1x10^{-4}$	$1x10^{-4}$
Current Permit Average Annual Rate (aggregated capacity = 205.5 ac-ft/yr)	64 gpm	64 gpm
Short-term Peak Rate	190 gpm	190 gpm
Requested Average Annual Rate (aggregated capacity = 256.9 ac-ft/yr)	80 gpm	80 gpm
Short-term Peak Rate	240 gpm	240 gpm

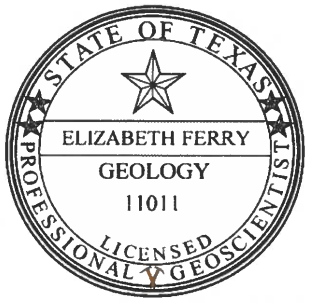
Table 3 summarizes the simulated drawdown as a result of increasing the current permitted annual production by approximately 25% from 205.5 acre-feet per year to 256.9 acre-feet per year.

Table 3. Simulated Drawdown at each Well Site as a Result of the Requested Annual Increase

Well ID	***Analytical Model - Simulated Drawdown in feet***		
	24 Hours	***30 Days***	***1 Year***
Well 1	62.6 (addition of 12.5 feet)	75.2 (addition of 15.0 feet)	28.1 (addition of 5.6 feet)
Well 2	49.0 (addition of 9.8 feet)	58.7 (addition of 11.7 feet)	21.9 (addition of 4.4 feet)

The analytical modeling results indicate that the simulated additional drawdown at each well site as a result of the requested increased annual production to Moffat's existing permitted capacity ranges from about 4 feet to 15 feet.

We appreciate the opportunity to provide this hydrogeologic information on behalf of the Moffat Water Supply Corporation. If you have any questions, please contact me at Liz.Ferry@rwharden.com, or 512-345-2379.



The seal appearing on this document was authorized by Elizabeth Ferry, P.G. No. 11011 on July 19, 2023. R.W. Harden & Associates, Inc. TBPG Firm No. 50033.

Sincerely,

Elizabeth Ferry, P. G.
Senior Hydrogeologist | Principal
R. W. Harden & Associates, Inc.

Cc: Mr. Damon Boniface, General Manager, Moffat Water Supply Corporation

Selected References

Clearwater Underground Water Conservation District, 2022, November 1, District Rules.

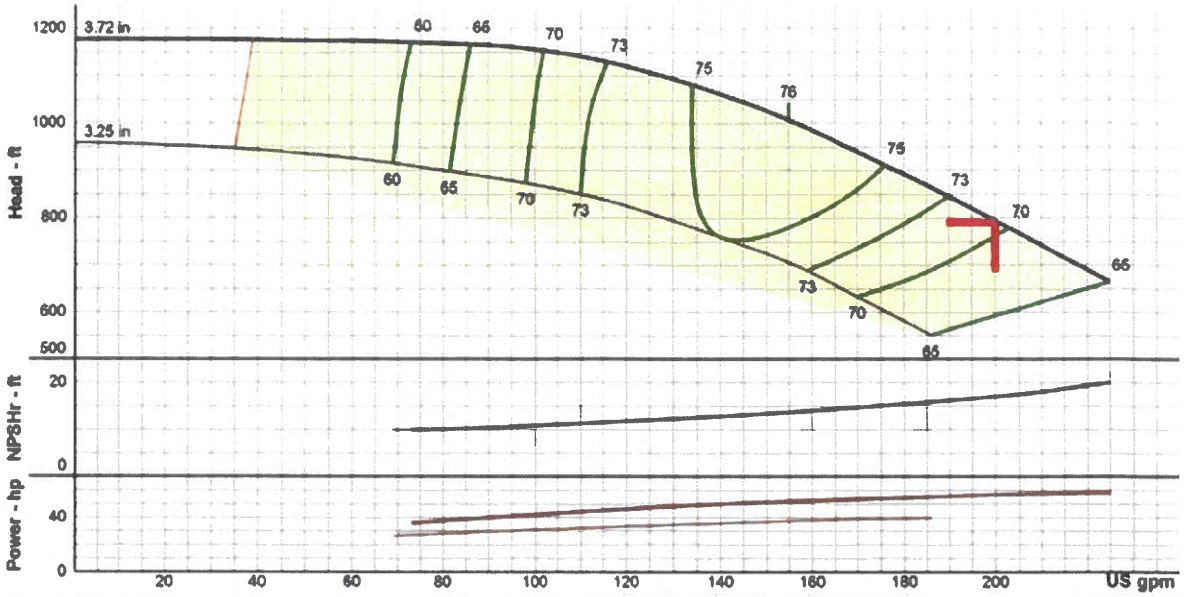
Myers, B.N., 1969, Compilation of Results of aquifer tests in Texas: Texas Water Development Board Report 98, 533 p.

ATTACHMENT 1a –
Well #1 Pump Curve provided by Jurgensen

GOULDS WATER TECHNOLOGY
a xylem brand

Performance Curve

Product Name: VIS - Submersible Vertical Turbine(Borehole) Pumps
Product Id: VIS
Quote Number 9001-230317-033



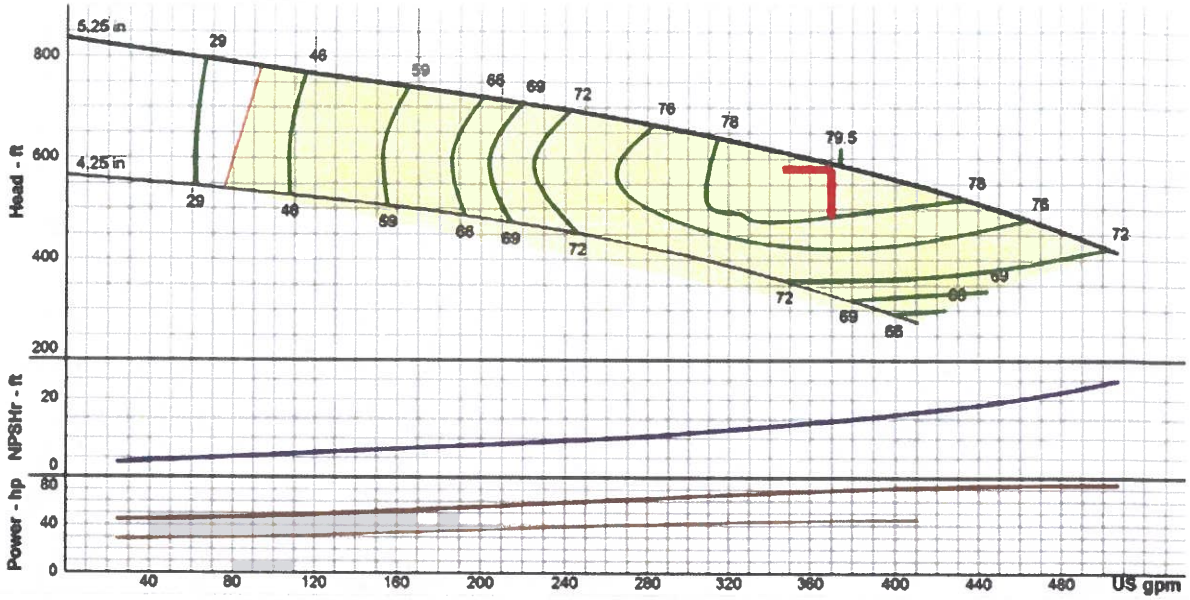
Curve & hydraulic data presented is nominal performance based on ANSI/HI 14.6 acceptance grade 2B. Design values are guaranteed within the following tolerances: Flow ± 8%, Head ± 5%, and optionally either Power + 8% or Efficiency - 5% at manufacturer's discretion.

Series	VIS	Max Power on Design Curve	58.10 Hp
Size	5CHC	Flow at BEP	155 USgpm
Additional Size	-	Head at BEP	1,007 ft
Speed	3,450 RPM	NPSH Required	17.1 ft
Number of Stages	19	Specified NPSH Avail.	33.17 ft
Frequency	60 Hz	Specified NPSH Avail. Margin	1.1
Impeller Trim	3.72 in	Min Flow	38.8 USgpm
Additional Impeller	-	Shut Off Head	1,178 ft
Specified Flow	200 USgpm	Shut Off Power	20.2 Hp
Specified Head	790 ft	Shut Off Disc Pressure	510 psi
Flow at Design	200 USgpm	Fluid Type	Water
Head at Design	794 ft	Water Temperature	68 °F
Run Out Flow	225 USgpm	Allowable Sphere Size	0.41 in
Run Out Head	665 ft	Exact Bowl Diameter	5.2 in
Run Out Power	58.1 Hp	Thrust K Factor	1.3 lb/ft
Run Out Efficiency	65 %	Add Thrust K Factor	1.3 lb/ft
Run Out NPSHr	20.1 ft	Max Lateral	0.25 in
Efficiency at Design	70.60 %	Total Flow Derate Factor	1
Guaranteed Efficiency at Design	67.07 %	Total Head Derate Factor	1
Best Efficiency	76 %	Total Efficiency Derate Factor	1
Driver Size	75 Hp	Total NPSHr Derate Factor	1
Power at Design	57 Hp	Acceptance Grade	2B
Guaranteed Power	61.24 Hp		
Flow on Design Trim @ Max Power	225 USgpm		
Service Factor	No		

ATTACHMENT 1b –
Well #2 Pump Curve provided by Jurgensen

Performance Curve

Product Name: VIS - Submersible Vertical Turbine(Borehole) Pumps
Product Id: VIS
Quote Number 9001-230123-014



Curve & hydraulic data presented is nominal performance based on ANSI/HI 14.6 acceptance grade 2B. Design values are guaranteed within the following tolerances: Flow ± 8%, Head ± 5%, and optionally either Power + 8% or Efficiency - 5% at manufacturer's discretion.

Series	VIS	Max Power on Design Curve	74.30 Hp
Size	7 BLC	Flow at BEP	375 USgpm
Additional Size	-	Head at BEP	586 ft
Speed	3,525 RPM	NPSH Required	14.6 ft
Number of Stages	6	Specified NPSH Avail.	33.17 ft
Frequency	60 Hz	Specified NPSH Avail. Margin	1.1
Impeller Trim	5.25 in	Min Flow	93.7 USgpm
Additional Impeller	-	Shut Off Head	837 ft
Specified Flow	370 USgpm	Shut Off Power	44.3 Hp
Specified Head	580 ft	Shut Off Disc Pressure	362 psi
Flow at Design	370 USgpm	Fluid Type	Water
Head at Design	591 ft	Water Temperature	68 °F
Run Out Flow	508 USgpm	Allowable Sphere Size	0.56 in
Run Out Head	414 ft	Exact Bowl Diameter	7.13 in
Run Out Power	74.3 Hp	Thrust K Factor	3.5 lb/ft
Run Out Efficiency	71.4 %	Add Thrust K Factor	3.5 lb/ft
Run Out NPSHr	25 ft	Max Lateral	0.5 in
Efficiency at Design	79.50 %	Total Flow Derate Factor	1
Guaranteed Efficiency at Design	75.52 %	Total Head Derate Factor	1
Best Efficiency	79.5 %	Total Efficiency Derate Factor	1
Driver Size	100 Hp	Total NPSHr Derate Factor	1
Power at Design	70 Hp	Acceptance Grade	2B
Guaranteed Power	75.17 Hp		
Flow on Design Trim @ Max Power	496 USgpm		
Service Factor	No		

Moffat WSC
N2-02-022G, N2-13-001P
Water Quality Assessment

Water Quality Summary - Moffat WSC

			Well 1		Well 2	
	Parameter (mg/L)	TCEQ Std.	**9/13/1994**	**8/1/2023**	**12/2/2012**	**8/1/2023**
Primary Parameters	Nitrate (as N)	10 mg/L	0.38	<0.01	<0.05	<0.01
	Nitrite (as N)	1 mg/L	0.15	<0.01	<0.05	<0.01
	Arsenic	0.01 mg/L	<0.002*	<0.00100	<0.002	<0.001
	Fluoride	4.0 mg/L	1.74*	1.45	1.40	1.26
Secondary Parameters	Aluminum	0.2 mg/L	0.0028*	<0.00500	0.04	<0.00500
	Copper	1.0 mg/L	0.0047*	0.00185	0.00170	<0.00100
	Iron	0.3 mg/L	0.00144*	0.189	0.07	0.0744
	Manganese	0.05 mg/L	0.0015*	0.00649	0.004	0.00288
	Zinc	5.0 mg/L	0.00326*	<0.00500	0.04	0.0061
	Total Dissolved Solids	1,000 mg/L	1,071	1,020	968	967
	Fluoride	2.0 mg/L	1.74*	1.45	1.40	1.26
	Lead	0.01 mg/L	<0.005*	<0.00100	NR	<0.00100
	Sulfate	300 mg/L	207*	200	187	191
	Chloride	300 mg/L	217*	212	196	198
	pH	≥7.0 SU	8	8.48	8.5	8.45
Corrosive Water Parameters	Alkalinity (as $CaCO_3$)	N/A	368	368	NR	357
	Calcium (as CaCO3)	N/A	15.5*	14.8	NR	13.2
	Sodium	N/A	389*	378	NR	363
	Lead	0.01 mg/L	<0.005*	<0.00100	NR	<0.00100
	Free Ammonia	N/A	NR	<0.6**	NR	<0.6**

NR: Not Reported; Asterisk (*) denotes result is reported as dissolved, not total.

µg/L = micrograms per liter; mg/L = milligrams per liter; SU = Standard Units;

ND: Not Detected within Laboratory Limits; N/A: Not Applicable;

**Measured Well 1 and 2 on August 22 and 24, 2023, repsectively, using HACH SL1000 Portable Analyzer

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

August 15, 2023

DAMON BONIFACE
MOFFAT WSC
5460 LAKEAIRE BLVD
TEMPLE, TX 76502
dboniface@MOFFATWATERSUPPLY.COM

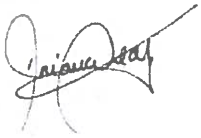
RE: Final Analytical Report Q2331007

Attn: DAMON BONIFACE

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:



Ariana Dean
Account Manager
ariana.dean@lcra.org

Enclosures:

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Workorder: Q2331007
Workorder Description: MOFFATWSCNEWWELL_08022023
Client: MOFFAT WSC
Profile: NEW WELL ANALYSIS
Sampled By: JOHN YOUNG/BOB STEWART

Report To: DAMON BONIFACE
MOFFAT WSC
5460 LAKEAIRE BLVD
TEMPLE, TX 76502

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2331007001	WELL 1	DW	E200.7 Metals, Trace Elements	08/01/2023 07:50	08/02/2023 08:45	3
Q2331007001	WELL 1	DW	E200.8, ICP-MS	08/01/2023 07:50	08/02/2023 08:45	6
Q2331007001	WELL 1	DW	E300.0, Anions	08/01/2023 07:50	08/02/2023 08:45	5
Q2331007001	WELL 1	DW	SM2320B, Alkalinity	08/01/2023 07:50	08/02/2023 08:45	1
Q2331007001	WELL 1	DW	SM2340B, Hardness Calc.	08/01/2023 07:50	08/02/2023 08:45	1
Q2331007001	WELL 1	DW	SM2540C, TDS	08/01/2023 07:50	08/02/2023 08:45	1
Q2331007001	WELL 1	DW	SM4500-H+B, pH @ 25°C	08/01/2023 07:50	08/02/2023 08:45	2
Q2331007002	WELL 2	DW	E200.7 Metals, Trace Elements	08/01/2023 07:45	08/02/2023 08:45	3
Q2331007002	WELL 2	DW	E200.8, ICP-MS	08/01/2023 07:45	08/02/2023 08:45	6
Q2331007002	WELL 2	DW	E300.0, Anions	08/01/2023 07:45	08/02/2023 08:45	5
Q2331007002	WELL 2	DW	SM2320B, Alkalinity	08/01/2023 07:45	08/02/2023 08:45	1
Q2331007002	WELL 2	DW	SM2340B, Hardness Calc.	08/01/2023 07:45	08/02/2023 08:45	1
Q2331007002	WELL 2	DW	SM2540C, TDS	08/01/2023 07:45	08/02/2023 08:45	1
Q2331007002	WELL 2	DW	SM4500-H+B, pH @ 25°C	08/01/2023 07:45	08/02/2023 08:45	2

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B- Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Workorder Summary

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID:	TX0140028	**Date Collected:**	08/01/2023 07:50	**Matrix:**	Drinking Water
Lab ID:	Q2331007001	**Date Received:**	08/02/2023 08:45	**Sample Type:**	SAMPLE
Sample ID:	WELL 1	**Location:**			
Project ID:	NEW WELL ANALYSIS	**Facility:**			
		Sample Point:			

ALKALINITY (SM2320B, Alkalinity)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Total Alkalinity (CaCO3)	368	mg/L	20.0	20.0		1	08/02/2023 12:16	SN	08/02/2023 12:16	SN	N

INORGANICS (E200.7 Prep/E200.7 Metals, Trace Elements)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Calcium Total	5.91	mg/L	0.200	0.0700		1	08/09/2023 11:39	FO	08/14/2023 11:18	FM	N
Iron Total	0.189	mg/L	0.0500	0.0200		1	08/09/2023 11:39	FO	08/14/2023 11:18	FM	
Sodium Total	378	mg/L	0.200	0.0700		1	08/09/2023 11:39	FO	08/14/2023 11:18	FM	

INORGANICS (E200.8, ICP-MS Prep/E200.8, ICP-MS)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	<0.00500	mg/L	0.00500	0.00200		1	08/09/2023 11:32	FO	08/09/2023 14:59	FO	
Arsenic Total	<0.00100	mg/L	0.00100	0.000400	0.01	1	08/09/2023 11:32	FO	08/09/2023 14:59	FO	
Copper Total	0.00185	mg/L	0.00100	0.000400	1	1	08/09/2023 11:32	FO	08/09/2023 14:59	FO	
Lead Total	<0.00100	mg/L	0.00100	0.000400	0.0150	1	08/09/2023 11:32	FO	08/09/2023 14:59	FO	
Manganese Total	0.00649	mg/L	0.00100	0.000400		1	08/09/2023 11:32	FO	08/09/2023 14:59	FO	
Zinc Total	<0.00500	mg/L	0.00500	0.00200		1	08/09/2023 11:32	FO	08/09/2023 14:59	FO	

INORGANICS (E300.0, Anions)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Chloride	212	mg/L	2.00	1.00		2	08/02/2023 13:26	ML	08/02/2023 13:26	ML	
Sulfate	200	mg/L	2.00	1.00		2	08/02/2023 13:26	ML	08/02/2023 13:26	ML	

INORGANICS (E300.0, Anions)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Fluoride	1.45	mg/L	0.0100	0.00500	4	1	08/02/2023 11:40	ML	08/02/2023 11:40	ML	
Nitrite (as N)	<0.0100	mg/L	0.0100	0.00500	1	1	08/02/2023 11:40	ML	08/02/2023 11:40	ML	
Nitrate (as N)	<0.0100	mg/L	0.0100	0.00500	10	1	08/02/2023 11:40	ML	08/02/2023 11:40	ML	

INORGANICS (SM2340B, Hardness Calc.)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Calcium, Hardness (as CaCO3)	14.8	mg/L				1	08/14/2023 16:14	CW	08/14/2023 16:14	CW	

TOTAL DISSOLVED SOLIDS (SM2540C, TDS)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Total Dissolved Solids(TDS)	1020	mg/L	25.0	10.0		10	08/02/2023 14:03	SN	08/02/2023 14:03	SN	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID:	TX0140028	**Date Collected:**	08/01/2023 07:50	**Matrix:**	Drinking Water
Lab ID:	Q2331007001	**Date Received:**	08/02/2023 08:45	**Sample Type:**	SAMPLE
Sample ID:	WELL 1	**Location:**			
Project ID:	NEW WELL ANALYSIS	**Facility:**			
		Sample Point:			

pH (SM4500-H+B, pH @ 25°C)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
pH	8.48	pH	0.00	0.00		1	08/07/2023 11:14	JLL	08/07/2023 11:14	JLL	N
Temperature	20.4	C				1	08/07/2023 11:14	JLL	08/07/2023 11:14	JLL	N

Sample Comments

General Comments for METHOD SM4500-H+B, pH - Defined as a field parameter, measurement must be taken within 15 minutes of collection. Results are provided for information purposes only.
General Comments for METHOD SM4500-H+B, pH - Defined as a field parameter, measurement must be taken within 15 minutes of collection. Results are provided for information purposes only.

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Fax (512)730-6021

Analytical Results

Client ID:	TX0140028	**Date Collected:**	08/01/2023 07:45	**Matrix:**	Drinking Water
Lab ID:	Q2331007002	**Date Received:**	08/02/2023 08:45	**Sample Type:**	SAMPLE
Sample ID:	WELL 2	**Location:**			
Project ID:	NEW WELL ANALYSIS	**Facility:**			
		Sample Point:			

ALKALINITY (SM2320B, Alkalinity)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Total Alkalinity (CaCO3)	357	mg/L	20.0	20.0		1	08/02/2023 12:16	SN	08/02/2023 12:16	SN	N

INORGANICS (E200.7 Prep/E200.7 Metals, Trace Elements)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Calcium Total	5.30	mg/L	0.200	0.0700		1	08/09/2023 11:39	FO	08/14/2023 11:21	FM	N
Iron Total	0.0744	mg/L	0.0500	0.0200		1	08/09/2023 11:39	FO	08/14/2023 11:21	FM	
Sodium Total	363	mg/L	0.200	0.0700		1	08/09/2023 11:39	FO	08/14/2023 11:21	FM	

INORGANICS (E200.8, ICP-MS Prep/E200.8, ICP-MS)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	<0.00500	mg/L	0.00500	0.00200		1	08/09/2023 11:32	FO	08/09/2023 15:01	FO	
Arsenic Total	<0.00100	mg/L	0.00100	0.000400	0.01	1	08/09/2023 11:32	FO	08/09/2023 15:01	FO	
Copper Total	<0.00100	mg/L	0.00100	0.000400	1	1	08/09/2023 11:32	FO	08/09/2023 15:01	FO	
Lead Total	<0.00100	mg/L	0.00100	0.000400	0.0150	1	08/09/2023 11:32	FO	08/09/2023 15:01	FO	
Manganese Total	0.00288	mg/L	0.00100	0.000400		1	08/09/2023 11:32	FO	08/09/2023 15:01	FO	
Zinc Total	0.00610	mg/L	0.00500	0.00200		1	08/09/2023 11:32	FO	08/09/2023 15:01	FO	

INORGANICS (E300.0, Anions)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Fluoride	1.26	mg/L	0.0100	0.00500	4	1	08/02/2023 11:56	ML	08/02/2023 11:56	ML	
Nitrite (as N)	<0.0100	mg/L	0.0100	0.00500	1	1	08/02/2023 11:56	ML	08/02/2023 11:56	ML	
Nitrate (as N)	<0.0100	mg/L	0.0100	0.00500	10	1	08/02/2023 11:56	ML	08/02/2023 11:56	ML	

INORGANICS (E300.0, Anions)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Chloride	198	mg/L	2.00	1.00		2	08/02/2023 13:43	ML	08/02/2023 13:43	ML	
Sulfate	191	mg/L	2.00	1.00		2	08/02/2023 13:43	ML	08/02/2023 13:43	ML	

INORGANICS (SM2340B, Hardness Calc.)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Calcium, Hardness (as CaCO3)	13.2	mg/L				1	08/14/2023 16:15	CW	08/14/2023 16:15	CW	

TOTAL DISSOLVED SOLIDS (SM2540C, TDS)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Total Dissolved Solids(TDS)	967	mg/L	25.0	10.0		10	08/02/2023 14:03	SN	08/02/2023 14:03	SN	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID:	TX0140028	**Date Collected:**	08/01/2023 07:45	**Matrix:**	Drinking Water
Lab ID:	Q2331007002	**Date Received:**	08/02/2023 08:45	**Sample Type:**	SAMPLE
Sample ID:	WELL 2	**Location:**			
Project ID:	NEW WELL ANALYSIS	**Facility:**			
		Sample Point:			

pH (SM4500-H+B, pH @ 25°C)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
pH	8.45	pH	0.00	0.00		1	08/07/2023 11:17	JLL	08/07/2023 11:17	JLL	N
Temperature	19.7	C				1	08/07/2023 11:17	JLL	08/07/2023 11:17	JLL	N

Sample Comments

General Comments for METHOD SM4500-H+B, pH - Defined as a field parameter, measurement must be taken within 15 minutes of collection. Results are provided for information purposes only.
General Comments for METHOD SM4500-H+B, pH - Defined as a field parameter, measurement must be taken within 15 minutes of collection. Results are provided for information purposes only.

MOFFAT WSC NAP LOG

Pressure Plane 1

Date: August 22, 2023

ID	Site	Day	Time	Water Loss	Free	Total	Mono	FA	Nitrite	Nitrate	Operator
1RW01	6060 Water Supply Rd (Well Head)	Tuesday	0820	20		0.01	0.00	>0.60			JY
1BT01	6060 Water Supply Rd (Well Head)	Tuesday									
1DT02	6060 Water Supply Rd (GST)	Tuesday									
1BB01	6060 Water Supply Rd (BWSC Vault)	Tuesday									
1EP01	6060 Water Supply Rd (Inside Pump Bldg)	Tuesday									
1AW01	5175 Jubilee Springs Rd (Flush Valve)	Tuesday									
1AW02	11475 W Highway 36 (Hose Bib)	Tuesday									
1HW01	9876 W Highway 36 (Flush Valve)	Tuesday									
1HW02	15217 Lawson Point (Flush Valve)	Tuesday									

Pressure Plane 2

Date: August 24, 2023

ID	Site	Day	Time	Water Loss	Free	Total	Mono	FA	Nitrite	Nitrate	Operator
2RW01	12191 S Whitehall Rd (Well Head)	Thursday	0819	20		0.01	0.00	>0.60			CBS
2BT01	12191 S Whitehall Rd (Well Head)	Thursday									
2DT02	12191 S Whitehall Rd (GST)	Thursday									
2BB01	12191 S Whitehall Rd (BWSC Vault)	Thursday									
2EP01	12191 S Whitehall Rd (EST)	Thursday									
2AW01	Old Pump Station (31.219799 N, 97.429973 W)	Thursday									
2HW01	Turkey Farm (31.1344.90 N, -97.2409.72)	Thursday									
2HW02	9621 Leona Park Lane (Flush Valve)	Thursday									

ID LEGEND

RW= Raw Water Source (GW)

BT= Before Treatment

DT= During Treatment

BB= Bluebonnet WSC

EP= Entry Point

AW= Average Water Age

HW= High Water Age

2HW02= Pressure Plane 2 - High Water Age - Site 2 of 2

OPERATOR'S COMMENTS

INSTRUCTIONS

§290.110(c) - Must sample all sites weekly as scheduled for *total - free - mono,* AND must sample upstream (BT) and downstream (DT) for the same constituents after making chlorine or ammonia adjustments.

§290.110(c) - Must sample nitrite and nitrate monthly for 6 months to set baseline, then quarterly sampling. (Attempt to sync-up delivery to Waco lab with monthly bacteriological samples.)

1) Record 1:00 p.m. as 1300, 2) Maximum flush time per site is 2 minutes, 3) Record water loss in gallons and include on monthly water loss report

Moffat WSC
N2-02-022G, N2-13-001P
Water Loss Assessment

Acoustic Leak Detection LLC

Proposal For Services Rendered

Moffat WSC

SURVEY PROJECT DETAILS

1. **ALD LLC Staff and Client Meeting** – Meeting detailing project specifics, job task and duties. Should have mapping planned out and copies of area for survey **2023-2024**. Discuss start date and all other items in question at this time

2. **General Surveying Procedures** – Acoustic and Visual leak detection will be performed on all accessible connections in the survey area. To include all Valves, PRV, ARV, Meters, Fire Hydrants, Interconnections, wells, and any other connection to the distribution system. During this inspection all standing water in or around the distribution system will be tested for chlorine and thoroughly investigated for potential leaks

3. **Surveying Equipment** – FCS-S30 Surveyors, **Seba KMT P-2 Pro Correlator** and Trimble GEO 7X Sub-Ten centimeters data logger will be used to complete the survey. GIS data will be exported in a format acceptable to current mapping for Moffat WSC.

4. **Survey Updates and Client Contact** – ALD LLC Technician will email weekly updates to Damon Boniface and any other Moffat WSC Staff including all daily survey findings. Also phone contact will be made upon identifying any major problems or leaks. Once survey is completed a final report detailing all findings as well as an invoice will be submitted.

5. **24 Hour On Call Service** – During the survey a ALD LLC technician will be staffed for any after-hours assistance that may be needed to identify/locate emergency leaks that appear in the water system.

6. **Time and Insurance** – ALD LLC technicians will spend approximately __ __ weeks on the project working from the hours of 7:00AM to 4:30PM Monday – Saturday until all work is completed. General Liability Insurance will be provided upon request.

7. **Acoustic Leak Detection LLC Fees and Pricing** – Acoustic leak detection on approximately **75** miles of Distribution system for **$225.00 per mile** and GIS data points of all leaks will be collected during the survey. Any additional leak GPS data will be collected at no cost to Moffat WSC.

SURVEY COST SUMMARY

All services rendered for the above described work shall total **$ 16,875.00** not to exceed **$ 16,875.00** for estimated maximum __ days. This will be invoiced weekly in 25 mile increments during the project, paid each Friday after the 25 miles are completed for each week. The final payment will be due when the final report and invoice is sent.

This contract includes an extensive acoustic leak detection survey including inspecting all accessible connections within the survey area. ALD LLC is not liable for any damage caused by said existing leaks nor liable for any damage to personal property due to these leaks. In addition, this survey will attempt to find all, some, or no leaks throughout the survey area. ALD LLC is not responsible for selecting the survey area therefore cannot be held liable for any or no leak locations. It is in the best interest of the water system to select the area carefully to ensure production or ask for advice of ALD LLC staff.

Please review this contract and make sure **all** documentation is true and accurate. Once signed all parties agree that this contract is accurate and here by agree to **all** work described in this document.

Client: Moffat WSC

Damon Boniface

General Manager

5460 Lakeaire Blvd

Temple, TX 76502

Client: Dam B. Ba Date: **June 30, 2023**

Owner: Brandon Smith

(512)955-1208

Acoustic Leak Detection LLC

3717 FM 972

Georgetown TX 78626

Owner: Date: 20230512

Friday, July 7, 2023

USAGE AND LOSS REPORT

MOFFAT WATER SUPPLY CORP.

Month	Water Pumped	Water Sold	Water Loss Pret	Average Use	Active Meters	Zero Use Meters	Over 50000	40001 50000	30001 40000	20001 30000	10001 20000	8001 10000	6001 8000	4001 6000	2001 4000	1 2000
01-18	11,762,000	8,478,380	21.65	5,779	1,467	97	11	2	8	32	107	85	155	294	396	276
02-18	14,325,000	8,177,140	15.16	5,578	1,466	108	9	4	11	19	109	71	159	270	403	303
03-18	9,922,000	6,528,670	21.52	4,441	1,470	105	7	0	6	13	68	52	124	277	441	376
04-18	12,124,000	8,514,210	24.86	5,788	1,471	95	9	4	14	34	109	98	150	305	375	280
05-18	12,583,000	9,979,430	18.37	6,405	1,558	176	16	10	22	48	147	86	149	256	342	305
06-18	19,081,000	15,006,110	15.54	9,638	1,557	176	36	26	55	79	218	99	137	220	288	226
07-18	18,222,000	15,214,290	14.70	9,753	1,560	175	38	28	56	90	218	106	133	212	280	225
08-18	21,489,000	18,086,860	13.95	11,587	1,561	174	68	26	68	84	237	121	121	190	249	225
09-18	16,453,000	13,591,000	13.65	8,712	1,560	177	27	21	41	82	195	94	172	228	298	225
10-18	10,033,000	7,462,880	16.86	4,778	1,562	177	6	7	9	26	93	58	135	248	430	373
11-18	9,616,000	6,477,020	26.57	4,147	1,562	188	2	0	6	16	71	64	127	263	475	351
12-18	11,485,000	6,246,560	36.39	4,004	1,560	195	2	2	4	13	70	59	109	291	472	346

12 Month Totals

Total Water Pumped	167,095,000
Total Water Sold	123,762,550
Total Used for Fire/Flush	11,839,333
Total Water Loss	31,493,117
Total Water Loss Percent	18.85 %

Qualified By: System Totals 01-18 to 12-18
Moffat Water Supply Corp.

Monthly Averages

Average Water Pumped	13,924,583
Average Water Sold	10,313,546
Average Used for Fire/Flush	986,611
Average Water Loss	2,624,426
Average Water Loss Percent	18.85 %
Average Customer Use	6,717

Friday, July 7, 2023

USAGE AND LOSS REPORT

MOFFAT WATER SUPPLY CORP.

Month	Water Pumped	Water Sold	Water Loss Prct	Average Use	Active Meters	Zero Use Meters	Over 50000	40001 50000	30001 40000	20001 30000	10001 20000	8001 10000	6001 8000	4001 6000	2001 4000	1 2000
01-19	10,398,000	6,762,590	24.17	4,327	1,563	201	4	2	4	20	72	56	138	299	443	326
02-19	8,795,000	5,823,520	28.02	3,721	1,565	204	2	1	4	11	58	61	105	259	489	374
03-19	8,808,000	5,645,760	19.71	3,596	1,570	189	2	1	1	10	60	49	108	254	476	420
04-19	10,809,000	7,423,280	20.94	4,713	1,575	188	3	2	13	22	100	76	142	287	397	346
05-19	10,834,000	6,668,790	19.28	4,226	1,578	194	2	6	8	9	80	66	143	273	420	383
06-19	12,180,000	8,860,970	13.67	5,580	1,588	183	10	5	12	34	143	88	134	292	356	327
07-19	13,330,000	10,111,240	13.41	6,363	1,589	179	15	11	24	46	160	88	166	260	330	311
08-19	21,510,000	16,997,370	11.51	10,643	1,597	177	64	34	48	84	226	80	150	190	272	268
09-19	19,949,000	16,437,500	6.37	10,273	1,600	173	65	27	48	92	192	82	151	234	266	270
10-19	16,129,000	12,796,720	9.15	8,013	1,597	178	36	22	37	69	173	80	148	226	325	307
11-19	11,268,000	8,256,420	9.48	5,167	1,598	187	7	10	15	32	97	72	141	253	440	347
12-19	10,346,000	7,228,340	11.89	4,521	1,599	191	5	6	5	17	88	70	122	303	437	359

12 Month Totals

Total Water Pumped	154,356,000
Total Water Sold	113,012,500
Total Used for Fire/Flush	19,304,280
Total Water Loss	22,039,220
Total Water Loss Percent	14.28 %

Monthly Averages

Average Water Pumped	12,863,000
Average Water Sold	9,417,708
Average Used for Fire/Flush	1,608,690
Average Water Loss	1,836,602
Average Water Loss Percent	14.28 %
Average Customer Use	5,929

Qualified By: System Totals 01-19 to 12-19
Moffat Water Supply Corp.

USAGE AND LOSS REPORT

MOFFAT WATER SUPPLY CORP.

Month	Water Pumped	Water Sold	Water Loss Pret	Average Use	Active Meters	Zero Use Meters	Over 50000	40001 50000	30001 40000	20001 30000	10001 20000	8001 10000	6001 8000	4001 6000	2001 4000	1 2000
01-20	9,107,000	6.224.350	10.21	3,890	1,600	190	4	1	3	7	86	51	120	296	464	379
02-20	8,975,000	6,001,880	11.26	3,751	1,600	188	4	0	5	6	60	59	124	276	489	391
03-20	9,380,000	6,310,800	11.93	3,939	1,602	176	5	2	2	6	69	70	133	287	482	370
04-20	10,534,000	7,016,470	12.48	4,372	1,605	180	6	1	4	12	83	74	159	299	430	359
05-20	13,726,000	10,499,900	9.12	6,530	1,608	161	11	9	25	49	181	98	170	266	344	294
06-20	15,897,000	12,454,980	10.60	7,760	1,605	159	17	13	43	80	201	118	172	225	300	279
07-20	20,420,000	16,563,560	10.40	10,275	1,612	170	50	36	56	89	239	97	159	213	263	240
08-20	25,971,000	19,697,360	17.02	12,212	1,613	165	93	33	51	101	253	79	156	187	252	243
09-20	20,291,000	16,913,620	7.83	10,912	1,550	98	54	26	54	106	247	96	141	224	275	229
10-20	14,013,000	10,140,740	13.55	6,517	1,556	99	15	14	22	50	143	96	156	240	389	333
11-20	13,947,000	9,410,900	16.06	6,040	1,558	109	3	9	22	52	155	88	171	277	359	315
12-20	10,563,000	7,442,150	11.22	4,771	1,560	118	2	5	8	22	117	79	131	297	421	360

12 Month Totals

Total Water Pumped	172,824,000
Total Water Sold	128,676,710
Total Used for Fire/Flush	23,378,921
Total Water Loss	20,768,369
Total Water Loss Percent	12.02 %

Monthly Averages

Average Water Pumped	14,402,000
Average Water Sold	10,723,059
Average Used for Fire/Flush	1,948,243
Average Water Loss	1,730,697
Average Water Loss Percent	12.02 %
Average Customer Use	6,747

Qualified By: System Totals 01-20 to 12-20

Moffat Water Supply Corp.

USAGE AND LOSS REPORT

MOFFAT WATER SUPPLY CORP.

Month	Water Pumped	Water Sold	Water Loss Pret	Average Use	Active Meters	Zero Use Meters	Over 50000	40001 50000	30001 40000	20001 30000	10001 20000	8001 10000	6001 8000	4001 6000	2001 4000	1 2000
01-21	10,069,000	6,901,470	12.29	4,387	1,573	110	4	1	2	17	87	78	152	269	473	379
02-21	15,254,000	12,168,060	6.35	7,740	1,572	105	17	7	16	53	198	114	196	300	345	222
03-21	9,057,000	5,356,070	19.00	3,392	1,579	130	3	0	7	12	53	36	91	199	503	540
04-21	13,103,000	9,838,450	11.19	6,199	1,587	117	11	9	23	46	159	84	161	275	393	309
05-21	10,440,000	7,730,040	9.16	4,865	1,589	121	4	7	12	32	114	64	114	264	458	399
06-21	12,069,000	8,707,090	13.65	5,439	1,601	120	7	9	11	34	133	89	154	280	423	334
07-21	17,187,000	12,496,910	15.70	7,801	1,602	108	22	25	27	67	203	94	150	232	367	306
08-21	21,618,000	14,851,630	15.58	9,196	1,615	112	42	33	43	76	204	111	149	236	322	284
09-21	22,974,000	16,757,630	14.55	10,319	1,624	104	51	35	65	81	196	94	137	232	340	288
10-21	17,620,000	14,040,825	9.09	8,625	1,628	107	28	27	51	82	181	99	137	256	370	291
11-21	13,526,000	9,778,080	11.04	5,948	1,644	115	9	7	26	60	119	82	160	275	425	363
12-21	11,495,000	8,569,270	9.16	5,203	1,647	121	8	7	12	32	107	68	149	287	476	383

12 Month Totals

Total Water Pumped	174,412,000
Total Water Sold	127,195,525
Total Used for Fire/Flush	25,662,203
Total Water Loss	21,554,272
Total Water Loss Percent	12.36 %

Monthly Averages

Average Water Pumped	14,534,333
Average Water Sold	10,599,627
Average Used for Fire/Flush	2,138,517
Average Water Loss	1,796,189
Average Water Loss Percent	12.36 %
Average Customer Use	6,593

Qualified By: System Totals 01-21 to 12-21

Moffat Water Supply Corp.

USAGE AND LOSS REPORT

MOFFAT WATER SUPPLY CORP.

Month	Water Pumped	Water Sold	Water Loss Prct	Average Use	Active Meters	Zero Use Meters	Over 50000	40001 50000	30001 40000	20001 30000	10001 20000	8001 10000	6001 8000	4001 6000	2001 4000	1 2000
01-22	11,721,000	7,833,530	16.90	4,756	1,647	124	5	2	16	20	113	65	130	327	461	387
02-22	13,976,000	9,125,680	18.31	5,534	1,649	124	11	8	9	23	129	86	157	320	455	330
03-22	11,635,000	7,146,210	16.77	4,305	1,660	131	2	6	12	15	98	50	119	289	510	431
04-22	17,828,000	12,501,120	17.67	7,517	1,663	125	22	15	27	78	199	108	171	267	370	286
05-22	16,364,000	12,344,750	13.79	7,410	1,666	116	22	15	36	74	188	83	144	276	383	338
06-22	22,597,000	17,080,881	12.68	10,210	1,673	114	48	30	59	107	244	101	127	244	324	281
07-22	27,535,000	22,401,448	11.81	13,366	1,676	110	97	58	68	125	258	99	117	214	280	257
08-22	28,844,000	22,643,990	15.16	13,471	1,681	114	96	51	85	107	265	96	144	215	268	244
09-22	21,168,000	14,847,950	12.75	8,812	1,685	115	33	18	56	86	209	94	161	224	369	320
10-22	23,251,000	17,978,200	15.24	10,689	1,682	114	62	47	61	95	207	88	150	248	329	286
11-22	15,546,000	10,453,130	20.10	6,174	1,693	112	11	13	22	58	154	83	127	252	448	410
12-22	14,573,000	8,657,440	26.09	5,132	1,687	122	8	2	8	22	85	66	133	299	527	418

12 Month Totals

Total Water Pumped	225,038,000
Total Water Sold	163,014,329
Total Used for Fire/Flush	26,466,665
Total Water Loss	35,557,006
Total Water Loss Percent	15.80 %

Monthly Averages

Average Water Pumped	18,753,167
Average Water Sold	13,584,527
Average Used for Fire/Flush	2,205,555
Average Water Loss	2,963,084
Average Water Loss Percent	15.80 %
Average Customer Use	8,115

Qualified By: System Totals 01-22 to 12-22

Moffat Water Supply Corp.

MWSC
Drought Stage

MOFFAT WATER SUPPLY CORP.

Because of the ongoing drought conditions, and the declining levels of Belton Lake, Moffat Water Supply Corporation must **immediately** implement Stage 2 water restrictions in accordance with our *DROUGHT CONTINGENCY AND EMERGENCY WATER DEMAND MANAGEMENT PLAN*. Moffat WSC relies on two sources of water (Belton Lake and Trinity Aquifer) to supply our customers with safe drinking water. Belton Lake water level continues to rapidly decline, and has reached the Brazos River Authority's established trigger-level for Stage-2 of 578.7 feet MSL, which is greater than fifteen feet below normal pool level.

Below is a summary of water restrictions until further notice:

- Irrigation of landscape and yards, and use of water for washing motor vehicles and boats is limited to street addresses ending in ***even*** numbers, Sunday and Thursday between the hours of ***Midnight to 10:00 a.m., and 8:00 p.m. to Midnight***.

- Irrigation of landscape and yards, and use of water for washing motor vehicles and boats is limited to street addresses ending in ***odd*** numbers, Saturday and Wednesday between the hours of ***Midnight to 10:00 a.m., and 8:00 p.m. to Midnight***.

- Irrigation of landscape and yards is ***permitted*** anytime by means of hand-held hose.

- Watering livestock is ***permitted.***

- Use of water to fill or refill swimming pools or jacuzzi type pools is ***permitted*** on designated watering days between the hours of ***Midnight to 10:00 a.m., and 8:00 p.m. to Midnight***.

- All non-essential water use is ***prohibited*** i.e., wash down of all outside surfaces or buildings, flushing gutters, ornamental fountains, construction, and dust control.

- Violations can reach up to $150.00 per offense, and service ***termination.***

For complete water restriction details, visit the Moffat WSC's website at www.moffatwatersupply.com, or contact the office at (254) 986-2457 Monday thru Friday, 8:00 am to 4:30 pm.

The Board of Directors of Moffat WSC greatly ***appreciates*** your cooperation.

MWSC
Drought & Emergency
Water Plan

DROUGHT CONTINGENCY AND EMERGENCY WATER DEMAND MANAGEMENT PLAN

1. *Introduction*

The goal of this plan is to cause a reduction in water use in response to drought or emergency conditions so that the water availability can be preserved. Since emergency conditions can occur rapidly, responses must also be enacted quickly. This plan has been prepared in advance considering conditions that will initiate and terminate the water use restriction program.

A Drought/Emergency Management Committee consisting of two Board Members and the System Manager will monitor usage patterns and public education efforts and will make recommendations to the Board on future conservation efforts, demand management procedures or any changes to this plan. The Committee will develop public awareness notices, bill stuffers, and other methods that will begin and continue as a constant type of reminder that water should be conserved at all times, not just during a drought or emergency. This Committee will also review and evaluate any needed amendments or major changes due to changes in the WSC service area population, distribution system or supply. This review and evaluation will be done on a regular basis of five years unless conditions necessitate more frequent amendments.

The plan will be implemented according to the four stages of water use restrictions as imposed by the Board. Paragraph 4 describes the conditions that will trigger these stages.

2. *Public Involvement*

Opportunity for the public to provide input into the preparation of the Plan was provided by the Board by scheduling and providing public notice of a public meeting to accept input on the Plan. Notice of the meeting was provided to all customers. In the adoption of this plan, the Board considered all comments from customers.

3. *Coordination with Regional Water Planning Group*

Being located within the Brazos G Regional Water Planning Group, a copy of this Plan has been provided to that Regional Water Planning Group.

4. *Trigger Conditions*

The Drought Emergency Management Committee is responsible for monitoring water supply and demand conditions on a monthly basis (or more frequently if conditions warrant) and shall determine when conditions warrant initiation or termination of each stage of the plan, that is, when the specified triggers are reached. The Committee will monitor monthly operating reports, water supply

or storage tank levels and/or rainfall as needed to determine when trigger conditions are reached. The triggering conditions described below take into consideration: the vulnerability of the water source under drought of record conditions, the production, treatment and distribution capacities of the system, and member usage based upon historical patterns.

a. **Stage** I - **Mild Condition:** Stage I water allocation measures may be implemented when one or more of the following conditions exist:

1. Lake Belton surface elevation reaches 588.1 feet mean sea level.

2. When Bluebonnet Water Supply Corporation implements Stage I restrictions.

3. When Clearwater Underground Water District implements Stage I restrictions.

4. When total daily water demand equals or exceeds 0.750 million gallons for 30 consecutive days.

Requirements for termination
Stage I of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days or contingent upon existing drought stage conditions for Bluebonnet Water Supply Corporation.

b. **Stage** II - **Moderate Conditions:** Stage II water allocation measures may be implemented when one of the following conditions exist:

1. Lake Belton surface elevation reaches 578.7 feet mean sea level.

2. When Bluebonnet Water Supply Corporation implements Stage II restrictions.

3. When Clearwater Underground Water District implements Stage II restrictions.

4. When total daily water demand equals or exceeds 0.800 million gallons for 30 consecutive days.

Requirements for termination
Stage II of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days or contingent upon existing drought stage conditions for Bluebonnet Water Supply Corporation.

c. **Stage III - Severe Conditions:** Stage III water allocation measures may be implemented when one of the following five conditions exist:

1. Lake Belton surface elevation reaches 566.3 feet mean sea level.

2. When Bluebonnet Water Supply Corporation implements Stage III restrictions.

3. When Clearwater Underground Water District implements Stage III restrictions.

4. When total daily water demand equals or exceeds 0.850 million gallons for 30 consecutive days.

Requirements for termination
Stage III of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days or contingent upon existing drought stage conditions for Bluebonnet Water Supply Corporation.

d. Stage IV - Emergency Conditions: Stage IV water allocation measures may be implemented when one of the following five conditions exist:

1. Lake Belton surface elevation reaches 550.2 feet mean sea level.

2. When Bluebonnet Water Supply Corporation implements Stage IV restrictions.

3. When Clearwater Underground Water District implements Stage IV restrictions.

4. When total daily water demand equals or exceeds 0.950 million gallons for 3 consecutive days.

5. When production or delivery of drinking water has been significantly impacted.

Requirements for termination
Stage IV of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days or contingent upon existing drought stage conditions for Bluebonnet Water Supply Corporation.

5. *Stage Levels of Water Allocations*

The stage levels of water allocations are to be placed in effect by the triggers in Paragraph 4. The System shall institute monitoring and enforce penalties for violations of the Drought Plan for each of the Stages listed below. The water allocation measures are summarized below.

a. Stage I - Mild Conditions

1. Water customers are requested to voluntarily limit the irrigation of landscaped areas to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and to irrigate landscapes only between the hours of midnight and 10:00 a.m. and 8:00 p.m. to midnight on designated watering days.

2. The system will reduce flushing operations.

3. Reduction of customers' water use will be made through bill notices or other media outlets.

b. Stage II - Moderate Conditions

1. Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the

hours of 12:00 midnight until 10:00 a.m. and between 8:00 p.m. and 12:00 midnight on designated watering days. However, irrigation of landscaped areas is permitted at any time if it is by means of a hand-held hose, a faucet filled bucket or watering can of five (5) gallons or less, or drip irrigation system.

2. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane, or other vehicle is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rises. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.

3. Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or Jacuzzi-type pools is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight.

4. Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.

5. Use of water from hydrants shall be limited to firefighting, related activities, or other activities necessary to maintain public health, safety, and welfare, except that use of water from designated fire hydrants for construction purposes may be allowed under special permit from the Corporation.

6. The following uses of water are defined as non-essential and are prohibited:

   - wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
   - use of water to wash down buildings or structures for purposes other than immediate fire protection;
   - use of water for dust control;
   - flushing gutters or permitting water to run or accumulate in any gutter or street; and
   - failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

c. **Stage III - Severe Conditions** – all requirements of Stage II shall remain in effect during Stage III:

1. Irrigation of landscaped areas shall be limited to designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, drip irrigation, or permanently installed automatic sprinkler system only. The use of hose-end sprinklers is prohibited at all times.

2. The use of water for construction purposes from designated fire hydrants under special permit shall be discontinued.

d. **Stage IV - Emergency Conditions** – all requirements of Stage II and III shall remain in effect during Stage IV:

1. All outdoor use of water is prohibited except for livestock or special permit from the Corporation.

6. ***Initiation and Termination Procedures***

Once a trigger condition occurs, the Corporation, or its designated responsible representative, shall, based on recommendation from the Chairperson of the Drought/Emergency Management Committee, decide if the appropriate stage of water use restrictions shall be initiated. The initiation may be delayed if there is a reasonable possibility the water system performance will not be compromised by the condition. If water allocation is to be instituted, written notice to the customers shall be given.

Written notice of the proposed water use restrictions measure shall be mailed or delivered to each affected customer upon the initiation of each stage. Notice may be sent by email only if the customer chooses the option to receive email notices instead of mailed notices and provides a valid email address. In addition, upon adoption of Stages II, III and IV, a notice will be placed in a local newspaper or announced on a local radio or television station. The customer notice shall contain the following information:

a. The date water restriction shall begin;
b. the expected duration;
c. the stage (level) of water allocations to be employed;
d. penalty for violations of the water allocation program; and
e. affected area or areas.

If the water allocation program extends 30 days, then the Chairperson of the Drought/Emergency Management Committee or manager shall present the reasons for the allocations at the next scheduled Board Meeting and shall request the concurrence of the Board to extend the allocation period.

When the trigger condition no longer exists then the responsible official may terminate the water allocations provided that such an action is based on sound judgment. Written notice of the end of allocations shall be given to customers. A water allocation period may not exceed 60 days without extension by action of the Board.

7. ***Penalties for Violations***

a. **First Violation** - The Corporation will notify the customer by certified written notice of their specific violation and their need to comply with the MWSC Drought Contingency Plan. The notice will show the amount of penalty to be assessed for continued violation(s).

b. **Second Violation** - The Corporation will assess a penalty* of $50. The notice of secondviolation will show the amount of penalty to be assessed and will inform the customer that failure to pay the penalty will result in termination of service to be restored only upon payment of penalty and service call to restore service. The notice will also inform the customer that additional violations will trigger more severe penalties and may result in termination of service regardless of whether the customer pays the penalties.

c. **Subsequent Violations** - The Corporation will assess an additional penalty* of $100 for violations continuing after the Second Violation. The notice of subsequent violation will show the amount of the penalty to be assessed and will inform the violator that failure to pay the penalty will result in termination of service to be restored only upon payment of penalty and service call to restore service.

d. **Termination** - For each continuing violation, the Corporation will assess an additional penalty of $150. Service will also be terminated for a period of three (3) days. The notice oftermination will show the date on which water service will be terminated and the date on which service will be restored, unless the customer has failed to pay delinquent penalties, assessments, or charges. Service will remain off until any delinquent penalty or other assessment is fully paid including a charge for the service call to restore service.

These provisions apply to all customers of the Corporation.

NOTE: PENALTY * - A WSC is allowed to charge a reasonable penalty to customers that fail to comply with the water use restriction procedures in accordance with 16 TAC 24.101 (j) and Texas Water Code 67.011(b) if:

- **The penalty is clearly stated in the tariff;**
- **The penalty is reasonable and does not exceed six (6) times the minimum monthly bill stated** in **the water supply corporation's current tariff; and**
- **The water supply corporation has deposited the penalty in a separate account dedicated to enhancing water supply for the benefit of all the water supply corporation's customers.**

8. *Exemptions or Waivers*

The Drought/Emergency Management Committee may, in writing, grant temporary variance forexisting water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health or sanitation for the public or the person requesting such variance and if one or more of the following conditions are met:

a. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.

Alternative methods can be implemented which will achieve the same level of reduction in water use. Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the Drought/Emergency Management Committee within five (5) days after the Plan or a particular drought response stage has been invoked or after a condition justifying the variance first occurs. All petitions for variances shall be reviewed by the Committee and shall include the following:

- Name and address of the petitioner(s).
- Purpose of water use.
- Specific provision(s) of the Plan from which the petitioner is requesting relief.
- Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Plan.
- Description of the relief requested.
- Period of time for which the variance is sought.
- Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- Other pertinent information, as requested by the Committee.

Variances granted by the Committee shall be subject to the following conditions, unless specifically waived or modified by the Committee or Board of Directors:

- Variances granted shall include a timetable for compliance.

- Variances granted shall expire when the water allocation is no longer in effect, unless the petitioner has failed to meet specified requirements. No variance allowed for a condition requiring water allocation will continue beyond the termination of water allocation under Section F. Any variance for a subsequent water allocation must be petitioned again. The fact that a variance has been granted in response to a petition will have no relevance to the Committee's decision on any subsequent petition.

No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

9. *Implementation*

The Board establishes a Drought/Emergency Management Committee by Resolution, the chairperson of which will be the responsible representative to make Drought and Emergency Water Management actions. This Committee will review the procedures in this plan annually or more frequently. Modifications may be required to accommodate system growth, changes in water use demand, available water supply and/or other circumstances.

This plan was adopted by the Board at a properly noticed meeting held on *April 17, 2023.*

Lafonda Brown

Lafonda Brown, Board President