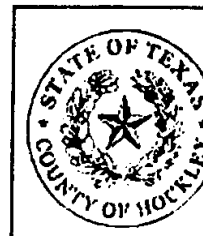


HOCKLEY COUNTY Jennifer Palermo Hockley County Clerk 802 Houston St. Suite 213 Levelland, TX 79336 Phone: 806-894-3185	DOCUMENT #: RECORDED DATE: 07/13/2026 12:58:56 PM 
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Document Type: PLAT Transaction Reference: Document Reference:	Transaction #: 962276 - 8 Doc(s) Document Page Count: 55 Operator Id: PKiser
RETURN TO: () MOUNTAIN TOP ENGINEERING	SUBMITTED BY: MOUNTAIN TOP ENGINEERING
DOCUMENT # : RECORDED DATE: 07/13/2026 12:58:56 PM CABINET #: B SLIDE #: 80 I hereby certify that this document was filed on the date and time stamped hereon by me and was duly recorded in the Official Public Records of Hockley County.  Jennifer Palermo Hockley County Clerk	

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**MISTY D. TAYLOR**

Hockley County TAX ASSESSOR/COLLECTOR
624 Avenue H
Levelland, TX 79336
(806) 894-4938

Tax Certificate

CERTIFICATE NO : 581311

FEE : \$10.00

Property Account Number:

R05987

Statement Date: 05/14/2026
Owner: LOT MAKERS LLC
Mailing Address:
1500 BROADWAY STE 1500
LUBBOCK TX 794013261

Property Location:
Legal: WILBARGER CSL|LGE 6|LAE
22|AB145|ACRES 38.23

TAX CERTIFICATE FOR ACCOUNT : R05987
AD NUMBER: 11050-00690-00000-00000
GF NUMBER:

DATE : 5/14/2026

PAGE 1 OF 1

PROPERTY DESCRIPTION

WILBARGER CSL|LGE 6|LAB 22|AB1
45|ACRES 38.23

COLLECTING AGENCY

Hockley County
624 Avenue H
Suite 101
Levelland TX 79336

38.23 ACRES

REQUESTED BY

HCAC

PROPERTY OWNER

LOT MAKERS LLC

609 AUSTIN
LEVELLAND TX 79336

1500 BROADWAY STE 1500
LUBBOCK TX 794013261

THIS IS TO CERTIFY THAT AFTER A CAREFUL CHECK OF THE TAX RECORDS, ALL TAXES DUE THE TAX ASSESSOR COLLECTOR OF HOCKLEY COUNTY ON THE ABOVE DESCRIBED PROPERTY HAVE BEEN PAID UP TO AND INCLUDING THE CURRENT YEAR TAXES WITH ANY ABOVE LISTED EXCEPTIONS.

THE ABOVE DESCRIBED PROPERTY TAX HAS/IS RECEIVING SPECIAL VALUATION BASED ON ITS USE, AND ADDITIONAL ROLLBACK TAXES MAY BECOME DUE BASED ON THE PROVISIONS OF THE SPECIAL VALUATION. SPTB RULE 155.40 (B) PARAGRAPH 6.

CURRENT VALUES			
LAND MKT VALUE:	4,210	IMPROVEMENT :	0
AG LAND VALUE:	22,550	DEF HOMESTEAD:	0
APPRAISED VALUE:	26,760	LIMITED VALUE:	0
EXEMPTIONS:	Ag 1D1		
LAWSUITS:			

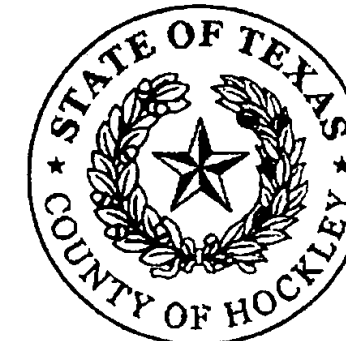
YEAR	TAX UNIT	LEVY	PEN	INT	DEF INT	ATTY	AMOUNT DUE
2025	HIGH PLAINS WTR DIST	0.00	0.00	0.00	0.00	0.00	0.00
2025	HOCKLEY COUNTY	0.00	0.00	0.00	0.00	0.00	0.00
2025	ROPESVILLE I S D	0.00	0.00	0.00	0.00	0.00	0.00
2025	SOUTH PLAINS COLLEGE	0.00	0.00	0.00	0.00	0.00	0.00
2025 SUB TOTAL							\$0.00

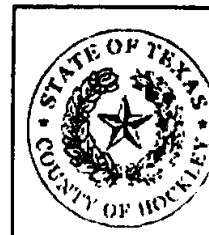
TOTAL CERTIFIED TAX DUE 5/2026 : **\$0.00**

ISSUED TO : HCAC
ACCOUNT NUMBER: R05987

Signature of Authorized Officer of Collection Office

Date



**MISTY D. TAYLOR**

Hockley County TAX ASSESSOR/COLLECTOR
624 Avenue H
Levelland, TX 79336
(806) 894-4938

Tax Certificate

CERTIFICATE NO : 581310

FEE : \$10.00

Property Account Number:

R08148

Statement Date: 05/14/2026
Owner: LOT MAKERS LLC
Mailing Address:
1500 BROADWAY STE 1500
LUBBOCK TX 794013261

Property Location:
Legal: WILBARGER CSL|LGE 6|LAE
21|AB145|ACRES 57.98

TAX CERTIFICATE FOR ACCOUNT : R08148
AD NUMBER: 11050-00680-00000-00000
GF NUMBER:

DATE : 5/14/2026

PAGE 1 OF 1

PROPERTY DESCRIPTION

WILBARGER CSL|LGE 6|LAB 21|AB1
45|ACRES 57.98

COLLECTING AGENCY

Hockley County
624 Avenue H
Suite 101
Levelland TX 79336

57.98 ACRES

REQUESTED BY

HCAC

PROPERTY OWNER

LOT MAKERS LLC

609 AUSTIN
LEVELLAND TX 79336

1500 BROADWAY STE 1500
LUBBOCK TX 794013261

THIS IS TO CERTIFY THAT AFTER A CAREFUL CHECK OF THE TAX RECORDS, ALL TAXES DUE THE TAX ASSESSOR COLLECTOR OF HOCKLEY COUNTY ON THE ABOVE DESCRIBED PROPERTY HAVE BEEN PAID UP TO AND INLCUDIN(THE CURRENT YEAR TAXES WITH ANY ABOVE LISTED EXCEPTIONS.

THE ABOVE DESCRIBED PROPERTY TAX HAS/IS RECEIVING SPECIAL VALUATION BASED ON ITS USE, AND ADDITIONAL ROLLBACK TAXES MAY BECOME DUE BASED ON THE PROVISIONS OF THE SPECIAL VALUATION. SPTB RULE 155.40 (B) PARAGRAPH 6.

CURRENT VALUES			
LAND MKT VALUE:	17,390	IMPROVEMENT :	0
AG LAND VALUE:	52,190	DEF HOMESTEAD:	0
APPRAISED VALUE:	69,580	LIMITED VALUE:	0
EXEMPTIONS:	Ag 1D1		
LAWSUITS:			

YEAR	TAX UNIT	LEVY	PEN	INT	DEF INT	ATTY	AMOUNT DUE
2025	HIGH PLAINS WTR DIST	0.00	0.00	0.00	0.00	0.00	0.00
2025	HOCKLEY COUNTY	0.00	0.00	0.00	0.00	0.00	0.00
2025	ROPESVILLE I S D	0.00	0.00	0.00	0.00	0.00	0.00
2025	SOUTH PLAINS COLLEGE	0.00	0.00	0.00	0.00	0.00	0.00
2025 SUB TOTAL							\$0.00

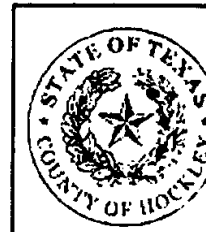
TOTAL CERTIFIED TAX DUE 5/2026 : \$0.00

ISSUED TO : HCAC
ACCOUNT NUMBER: R08148

Signature of Authorized Officer of Collection Office

Date



**MISTY D. TAYLOR**

Hockley County TAX ASSESSOR/COLLECTOR
624 Avenue H
Levelland, TX 79336
(806) 894-4938

Tax Certificate

CERTIFICATE NO : 581312 FEE : \$10.00

Property Account Number:

R08149

Statement Date: 05/14/2026
Owner: LOT MAKERS LLC
Mailing Address:
1500 BROADWAY STE 1500
LUBBOCK TX 794013261

Property Location:
Legal: WILBARGER CSL|LGE 7|LAE
1|AB146|ACRES 167.500

TAX CERTIFICATE FOR ACCOUNT : R08149
AD NUMBER: 11050-00840-00000-00000
GF NUMBER:

DATE : 5/14/2026

PAGE 1 OF 1

PROPERTY DESCRIPTION

WILBARGER CSL|LGE 7|LAB 1|AB14
6|ACRES 167.500

COLLECTING AGENCY

Hockley County
624 Avenue H
Suite 101
Levelland TX 79336

167.5 ACRES

REQUESTED BY

HCAC

PROPERTY OWNER

LOT MAKERS LLC

609 AUSTIN
LEVELLAND TX 79336

1500 BROADWAY STE 1500
LUBBOCK TX 794013261

THIS IS TO CERTIFY THAT AFTER A CAREFUL CHECK OF THE TAX RECORDS, ALL TAXES DUE THE TAX ASSESSOR COLLECTOR OF HOCKLEY COUNTY ON THE ABOVE DESCRIBED PROPERTY HAVE BEEN PAID UP TO AND INLCUDING THE CURRENT YEAR TAXES WITH ANY ABOVE LISTED EXCEPTIONS.

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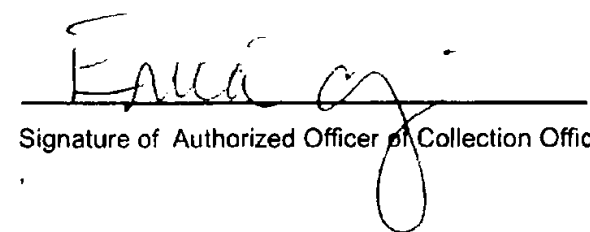
CURRENT VALUES

LAND MKT VALUE:	37,010	IMPROVEMENT :	0
AG LAND VALUE:	126,920	DEF HOMESTEAD:	0
APPRAISED VALUE:	163,930	LIMITED VALUE:	0
EXEMPTIONS:	Ag 1D1		
LAWSUITS:			

YEAR	TAX UNIT	LEVY	PEN	INT	DEF INT	ATTY	AMOUNT DUE
2025	HIGH PLAINS WTR DIST	0.00	0.00	0.00	0.00	0.00	0.00
2025	HOCKLEY COUNTY	0.00	0.00	0.00	0.00	0.00	0.00
2025	ROPESVILLE I S D	0.00	0.00	0.00	0.00	0.00	0.00
2025	SOUTH PLAINS COLLEGE	0.00	0.00	0.00	0.00	0.00	0.00
2025 SUB TOTAL							\$0.00

TOTAL CERTIFIED TAX DUE 5/2026 : \$0.00

ISSUED TO : HCAC
ACCOUNT NUMBER: R08149


Signature of Authorized Officer of Collection Office

5-14-26
Date



TITLE

6102 82nd Street, #11
Lubbock, Texas 79424
Telephone: (806) 771-7770
Fax: (806) 771-0663

STATE OF TEXAS

COUNTY OF HOCKLEY

§
§
§

CERTIFICATE OF OWNERSHIP

Title One Digital Title Services, LLC has searched the Real Property, Abstract of Judgment, Federal Tax Lien, State Tax Lien, and Bankruptcy Records January 1, 1979, through May 8, 2026, as presently recorded in Lubbock County, Texas and find the following:

Record Owner: **Lot Makers, LLC, a Texas Limited Liability Company**
By virtue of Warranty Deed with Vendor's Lien recorded in/under Clerk's File No. 202200000602.
Official Public Records of Hockley County, Texas; and

Re: **LOTS 54-91 AND TRACT “E” & “F”,
QUAIL RIDGE ADDITION**
OUT OF LABORS 21 AND 22, LEAGUE 6, AND LABORS 1
AND 2. LEAGUE 7 WILBARGER COUNTY SCHOOL LAND,
HOCKLEY COUNTY, TEXAS

being further described as follows:

FIELD NOTES on a 85.126 acre tract out of Labors 21 and 22. League 6, and Labor 1. League 7. Willbarger County School Land, Hockley County. Texas, and being further described by metes and bounds as follows:

BEGINNING at the Southeast corner of this tract, from which a found 1/2" rod for the Southeast corner of Labor 1. League 7, bears S 02°49'50" W, 2061.95 feet;
THENCE N 87°10'33" W, 1492.60 feet to a corner of this tract;
THENCE N 70°33'12" W, 354.93 feet to a corner of this tract;
THENCE N 85°10'33" W, 377.15 feet to the Southwest corner of this tract;
THENCE N 03°36'16" E, 344.18 feet to a corner of this tract;
THENCE N 11°40'07" W, 185.48 feet to a corner of this tract;
THENCE N 34°46'05" W, 811.43 feet to a corner of this tract;
THENCE N 39°51'12" W, 50.00 feet to a corner of this tract;
THENCE Northeasterly, with a curve to the left, having a radius of 3975.00 feet, a chord bearing and distance of N 49°10'25" E, 135.03 feet, to a corner of this tract;
THENCE Northeasterly, with a curve to the left, having a radius of 1359.55 feet, a chord bearing and distance of N 44°03'40" E, 98.67 feet to a corner of this tract;
THENCE Northeasterly, with a curve to the left, having a radius of 1359.55 feet, a chord bearing and distance of N 40°45'25" E, 58.10 feet, to a corner of this tract;
THENCE S 80°12'59" E, 28.65 feet to a corner of this tract;
THENCE S 51°03'26" E, 350.20 feet to a corner of this tract;
THENCE N 56°49'27" E, 526.57 feet to a corner of this tract;
THENCE S 83°51'37" E, 602.79 feet to a corner of this tract;
THENCE S 87°10'33" E, 1242.85 feet to a corner of this tract;
THENCE S 02°49'50" W, with the East line of Labor 21, at a distance of 881.94 feet pass the Southeast corner of Labor 21, continuing with the East line of Labor 1, in all a total distance of 1596.12 feet to the PLACE of BEGINNING and containing 85.126 Acres including any Right of Way.

The Company does not represent or insure that the acreage or square footage calculations are correct.

Liens: Deed of Trust executed by Lot Makers, LLC to John E. Grist, Trustee for West Texas State Bank, dated February 16, 2022, in the amount of \$2,475,990.00 and recorded in Document #202200000603 of the Official Public Records of Hockley County, Texas. This Deed of Trust was modified in Document #202500001772 and #202500002509 of the Official Public Records of Hockley County, Texas.

Deed of trust executed by Lot Makers, LLC to John E. Grist, Trustee for West Texas State Bank, dated October 12, 2022, in the amount of \$600,000.00, recorded in Document #202200003825 of the Official Public Records of Hockley County, Texas. This Deed of Trust was modified in Document #202400004475, #202500001771 and #202500002510 of the Official Public Records of Hockley County, Texas.

Judgment Liens: *None found of record.

State Tax Liens: *None found of record.

Federal Tax Liens: *None found of record.

Easements: Subject to a 20' roadway reserved to the public on the East side of the property as described in Volume 94, Page 49 of the Deed Records of Hockley County, Texas.

Subject to a Right of Way Easement to Southwestern Public Service Company recorded in Volume 190, Page 41 of the Deed Records of Hockley County, Texas.

Subject to a 20' roadway reserved to the public on the West side of the property as described in Volume 94, Page 51 of the Deed Records of Hockley County, Texas.

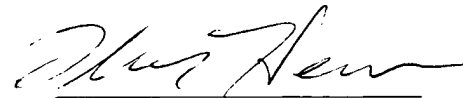
Otherwise, to be filed by separate instrument.

Taxes: Not Certificated.

This report contains information from public real property records and is not to be construed as an abstract of title, opinion of title, title insurance commitment, title insurance policy or guarantee. It is expressly understood and agreed this report is furnished for informational purposes only and that no financial liability is assumed by the Title One, Digital Title Services, LLC. It is further understood and agreed that this has not been furnished as title evidence for the basis of any title insurance policy and the issuance thereof is strictly prohibited without the written consent of Title One, Digital Title Services, LLC. Individuals, business entities and/or companies relying on this report do so at their own risk and Title One, Digital Title Services, LLC, its employees and/or agents are not liable for any mistakes or errors in this report.

Executed this 21st day of May 2026.

Title One, Digital Title Services, LLC



Thomas Hearron
Title Examiner



MOUNTAIN TOP ENGINEERING
ELEVATING EXPECTATIONS - SUPERIOR SERVICE

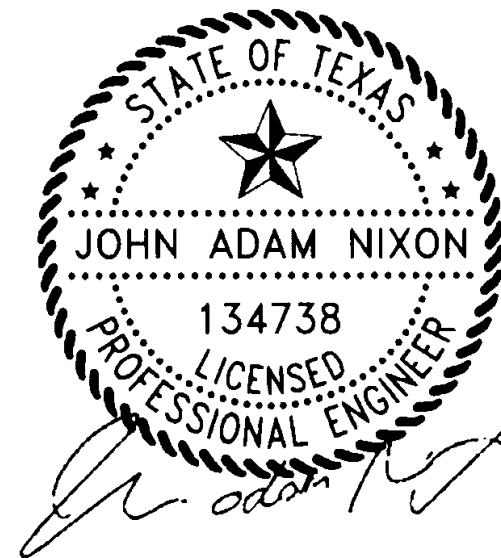
GROUNDWATER AVAILABILITY STUDY

FOR

LOTS 54-91 AND TRACTS "E" & "F"

QUAIL RIDGE ADDITION

AN ADDITION LOCATED IN HOCKLEY COUNTY, TEXAS



06/02/2026

JUNE 2026

Provided by:

Mountain Top Engineering, LLC

2525 86TH Street, Suite 200

Lubbock, TX 79423

TX Engineering Firm Number: 26389

Prepared for:

Lot Makers, LLC

1500 Broadway, Ste 1500

Lubbock, Texas 79401



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Introduction 1

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- Appendix A: Certification of Groundwater Availability for Platting Form
- Appendix B: State Well Reports
- Appendix C: Water Quality Test Summary
- Appendix D: Site Map



M O U N T A I N T O P E N G I N E E R I N G
E L E V A T I N G E X P E C T A T I O N S - S U P E R I O R S E R V I C E

Introduction

1. Overview

This groundwater availability study is conducted to support the proposed development located in Hockley County, Texas (Site). The Site is located west of Quail Road and approximately 1,900 linear feet south of FM 1585 in Eastern Hockley County. This report and its attachments are prepared to meet the requirements of the Certification of Groundwater Availability for Platting Form as specified in Texas Administrative Code, Title 30, Chapter 230, Section 230.2-230.11.

Lot Makers, LLC proposes to develop the approximately 85.126-acre property as a subdivision including 38 residential lots with an average lot size of 2.24 acres. Each lot will be served by an individual private well.

The proposed subdivision is documented by the Hockley County Tax Assessor with the Property ID: 8148 & 8149 and is located within the jurisdiction of the High Plains Underground Water Conservation District.

Appendix A provides the completed Certification of Groundwater Availability for Platting Form.

Projected Water Demand Estimation

1. Overview

Estimated water demand for the subdivision was determined from the average number of persons per household for Hockley County from U.S. Census data^[1] (2.64 persons per household) and an average usage of 140 gallons per person per day from the Llano Estacado (Region O) Regional Water Plan^[2] published by the Texas Water Development Board.

2. Calculations

Equation 1: Water demand per household

$$Q_h = 2.64 \times 140 \times 365 = 134,904 \text{ gallons/year or } 0.41 \text{ acre-feet/year}$$

Where:

Q_h = Total water demand per household

2.64 = Average number of persons per household

140 = Average per capita usage of water per day in gallons

365 = days in a year

Equation 2: Total water demand for proposed subdivision



M O U N T A I N T O P E N G I N E E R I N G
E L E V A T I N G E X P E C T A T I O N S - S U P E R I O R S E R V I C E

$$Q_t = 38 \times Q_h = 5,126,352 \text{ gallons/year or } 15.73 \text{ acre-feet/year}$$

Where;

Q_t = total water demand for proposed subdivision at full build out

3. Summary

From equations above the assumed water demand for each household would be 0.41 acre-feet/year with a total water demand at full build out for the subdivision being 15.73 acre-feet/year. All water demands are planned to be solely from single family residential development.

Groundwater Resource Information

1. Introduction

The Texas Water Development Board has identified one major aquifer and one minor aquifer present within the study area.

(a) Ogallala Aquifer (major aquifer)

The Ogallala Aquifer underlies most of the Texas High Plains region and consists of sand, gravel, clay, and silt. It has a maximum saturated thickness of 800 feet with an average saturated thickness of 95 feet.

(b) Edwards-Trinity High Plains (minor aquifer)

The Edwards-Trinity (high plains) Aquifer underlies the Ogallala Aquifer in western Texas and eastern New Mexico. Its water producing units include sandstone of the Antlers Formation (Trinity Group) and limestone of the overlying Comanche Peak and Edwards Formations^[2].

(c) Dockum Aquifer (minor aquifer)

The Dockum Aquifer is defined stratigraphically by the Dockum Group and includes the Santa Rosa Formation, the Tecovas Formation, the Trujillo Sandstone, and the Cooper Canyon Formation. The Dockum has subpar water quality in the site location thus not considered a groundwater resource for this study.^[3]

2. Geology and Hydrogeology

(1) Ogallala Aquifer

The Ogallala Aquifer, an unconfined aquifer, is the largest aquifer in the United States and is a major aquifer of Texas, underlying much of the High Plains region. The aquifer consists of sand, gravel, clay, and silt and has a maximum saturated thickness of 800 feet. Freshwater saturated thickness in the aquifer



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averages 95 feet but is significantly greater in several paleovalleys that were eroded into the Permian- to Cretaceous-aged surfaces before deposition of the Ogallala Formation.

The Ogallala Formation was deposited as alluvial outwash from the Rocky Mountains. The thickest and coarsest grained sediments are fluvial channel facies in alluvial fan lobes deposited in paleovalleys where pebble- to boulder-size gravel lenses are common along the basal surface. Three major paleovalleys are located north of the Canadian River, and a smaller paleovalley stretches from near Clovis to southeast of Plainview. Most sediments in the preserved extent of the Ogallala Formation are sands and gravels that were deposited in braided stream channels. The Ogallala Formation becomes finer grained with increased distance from the mountains. The Ogallala Formation is overlain by the Blackwater Draw Formation, which forms a layer of Quaternary eolian fine sand, silt, clay, and caliche that covers the Ogallala Formation except along breaks and draws.

The hydraulic conductivity of the Southern Ogallala Aquifer ranges from 0.01 to 2,600 feet per day with a mean of about 6.8 feet per day. The geometric mean of hydraulic conductivity in the Northern Ogallala Aquifer is about 14.8 feet per day with a standard deviation of 5 to 44 feet per day. The specific yield of the Ogallala Aquifer ranges from 15 to 22 percent, with an average of 16 percent.

Studies indicate that recharge represents a small fraction of current water usage. Recharge in the southern region has been affected by agricultural development and ranges from 0.007 to over 3 inches per year, with the most recharge in areas where irrigated crops are raised on relatively permeable soils. In the northern region, relatively clayey soils limit agricultural influence on recharge, and the pre-development distribution of recharge remains in place, with rates ranging from 0.1 to 0.8 inches per year.^[3]

(2) Edwards-Trinity (High Plains) Aquifer

The Edwards-Trinity (High Plains) Aquifer is a minor aquifer that underlies about 9,000 square miles of the Ogallala Aquifer in western Texas and eastern New Mexico. Its water producing units include sandstone and limestone. Freshwater saturated thickness in the aquifer averages 126 feet. Regional groundwater flow in the aquifer is to the southeast, but locally, flow is determined by the presence of paleo-channels containing Ogallala Formation sediments that are incised into the Cretaceous limestone forming the Edwards-Trinity (High Plains) Aquifer. Recharge to the aquifer is primarily due to downward leakage from the younger Ogallala Aquifer. The greatest amounts of recharge most likely occur where



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E L E V A T I N G E X P E C T A T I O N S - S U P E R I O R S E R V I C E

low-permeability clay layers, which lie between the Edwards-Trinity (High Plains) and Ogallala aquifers, are missing, thin, or relatively permeable. Groundwater in the Edwards-Trinity (High Plains) Aquifer generally is confined, although there are small areas where the aquifer is unconfined.^[3]

Aquifer Tests

1. Well Details

A New well (Number TBD, see attached report) was utilized as the pumping well for the aquifer test and well number 42099 was utilized as an observation well during the test. Table 1 below outlines all the wells located on or within 0.5 mile of the site. Appendix B contains the state well reports for the wells utilized for the pump test.

Well Report Tracking Number	Well Type	Proposed Use	Well Owner	Latitude (DD)	Longitude (DD)	Borehole Depth (ft)
82779	New Well	Irrigation	Scott Drake	33.486945	-102.083889	159
216260	New Well	Domestic	Steve Hill Custom Homes	33.491667	-102.093334	162
634906	New Well	Domestic	Alex Orr	33.490441	-102.093845	160
641559	New Well	Domestic	LS Kingdom Homes	33.48625	-102.101635	160
645564	New Well	Domestic	LS Kingdom Homes	33.486542	-102.102855	155
654825	New Well	Domestic	LS Kingdom Homes	33.486573	-102.096589	160
667954	New Well	Domestic	LS Kingdom homes	33.486397	-102.105446	156
676778	New Well	Domestic	Elite Homes	33.48664	-102.0943	163
678913	New Well	Domestic	JERRY GARCIA	33.48768	-102.10645	155
686772	New Well	Domestic	Nesloney Homes	33.487438	-102.094181	158
689077	New Well	Domestic	LS Kingdom Homes	33.487396	-102.101615	160
690881	New Well	Domestic	Cody Reyna	33.486046	-102.094545	160
692956	New Well	Domestic	Nesloney Homes	33.486848	-102.095303	160
698651	New Well	Domestic	LS Kingdom Homes	33.486208	-102.099507	165
701197	New Well	Domestic	Southern Homes by Dan Wilson	33.487894	-102.104489	160
708693	New Well	Domestic	Michael Cook	33.487222	-102.105278	162
711221	New Well	Domestic	Abe Neudorf	33.486667	-102.107778	164
715813	New Well	Domestic	Sharkey Custom Homes	33.487778	-102.103611	164

Table 1: Wells within 0.5 mile radius of development

2. Aquifer Parameters and Methods

Parameters calculated from the aquifer testing results include Transmissivity,



M O U N T A I N T O P E N G I N E E R I N G
E L E V A T I N G E X P E C T A T I O N S - S U P E R I O R S E R V I C E

Hydraulic Conductivity, and Storativity. Transmissivity of an aquifer is defined as the rate of groundwater flow within an aquifer under a unit hydraulic gradient through a unit width of aquifer of given saturated thickness. Aquifer transmissivity (T) is related to its hydraulic conductivity as follows:

$$T = Kb$$

where:

T = transmissivity (ft²/day)

K=hydraulic conductivity (ft/day)

b = aquifer thickness (ft)

Storativity (S) of an aquifer is defined as the total storage capacity of an aquifer. It is defined as the volume of water removed or stored per unit change in head normal to the earth's surface over a unit area. Storativity is dimensionless and is expressed as a decimal. Storativity for an unconfined aquifer is defined by the gravity drainage term, specific yield (S_y). Specific yield reflects the volume of water that drains by gravity when the water table is lowered or fills with water when the water table is raised. Specific storage (S_s) is defined as the volume of water that is released from storage per unit volume of saturated material. The storativity of an unconfined aquifer is composed of two components as follows:

$$S = S_y + S_s b_{\text{average}}$$

Where:

S = storativity of the unconfined aquifer

S_y = specific yield

S_s = specific storage (ft⁻¹)

b_{average} = average thickness before and after a water level change (ft.)

The modified Cooper-Jacob^[4] straight-line solution involves matching a straight line to drawdown data plotted as a function of the logarithm of time since pumping began. This solution assumes a transient flow to a well discharging at a constant rate from a homogeneous and isotropic nonleaky confined aquifer of infinite extent and uniform thickness. This method can be used for the interpretation of unconfined aquifers pumping tests using a correction to drawdown data measured



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during the test. ^[5]

$$s' = s - \frac{s^2}{2b}$$

Where:

b = aquifer thickness (ft)

s = observed drawdown (ft)

s' = corrected drawdown (ft)

3. Testing

Hydrologic characteristics were evaluated for the Ogallala Aquifer within the subdivision from one aquifer test using two wells. Flowrates and water levels were recorded before and during tests. The collected data was analyzed using the Cooper-Jacob method and a summary of the testing results is shown in Table 2.

The aquifer test was started on May 11th, 2026 with the new well serving as the observation well, and Well #42099 serving as the pumping well with approximately 245 feet between the two wells. The pumping phase started at 10:45 on May 11th, 2026 with a constant pumping rate of 37 GPM. The pumping phase was concluded on May 12th, 2026 after drawdown stabilization was reached.

Before the pumping test, well number 42099 had a static water level of 118.5 feet with a saturated thickness of 41.5 feet. The new well had a pre-test static water level of 118.5 with a saturated thickness of 41.5 feet.

At the conclusion of pumping, the new well had a drawdown of 7.2 feet, resulting in a specific capacity of 5.14 gpm/foot. Aquifer analysis using the Cooper-Jacob method yielded a calculated transmissivity of 20,710 ft²/day and a hydraulic conductivity of 499 ft/day. Storativity value of 6.5432x10⁻⁴ was calculated based on observing the hydraulic connection between the wells.

Figure 1 shows the drawdown of well number 42099 (observation well) and figure 2 shows the modified Cooper-Jacob solution for well number 42099 (observation well).



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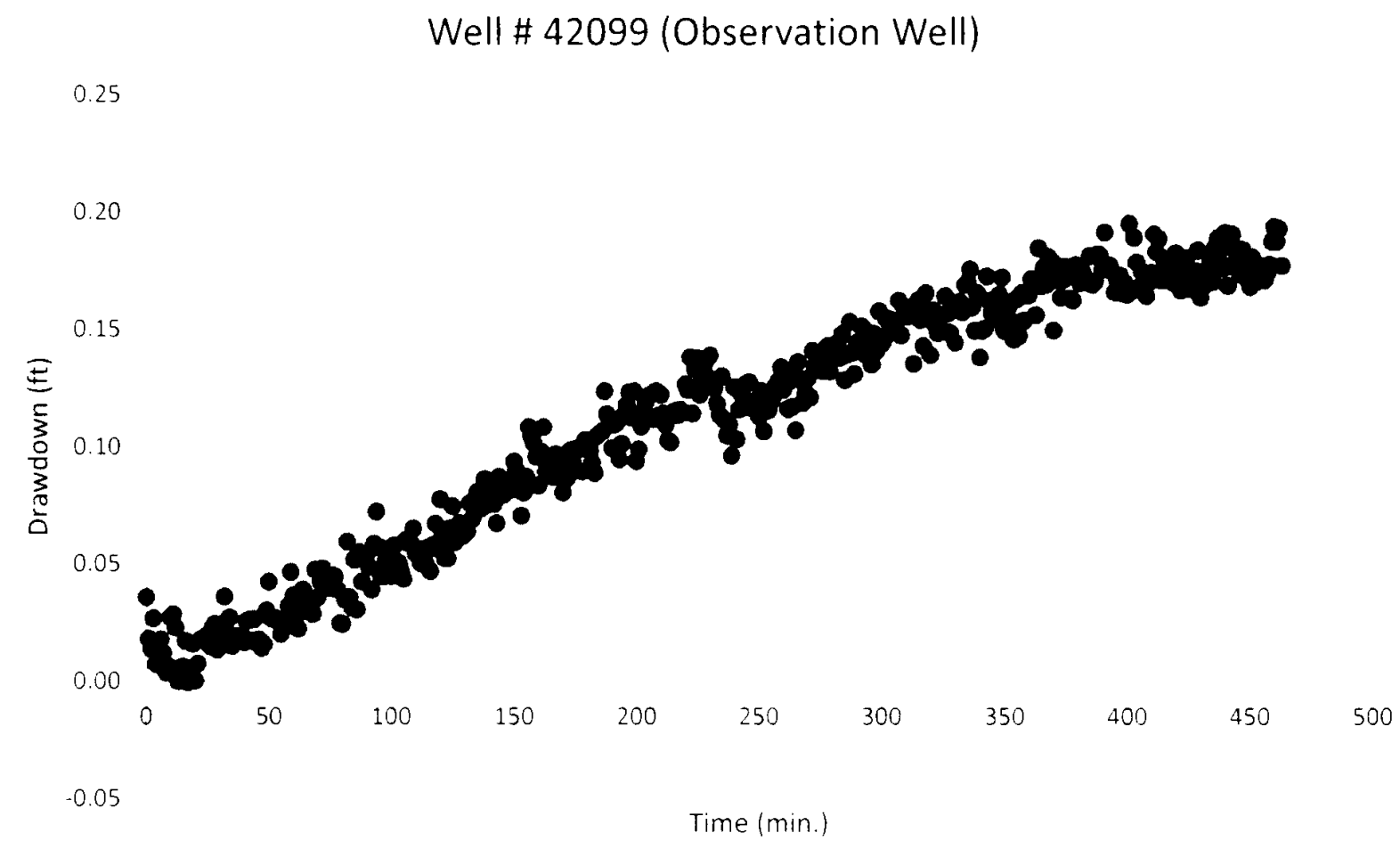


Figure 1: Well # 42099 Drawdown vs Time



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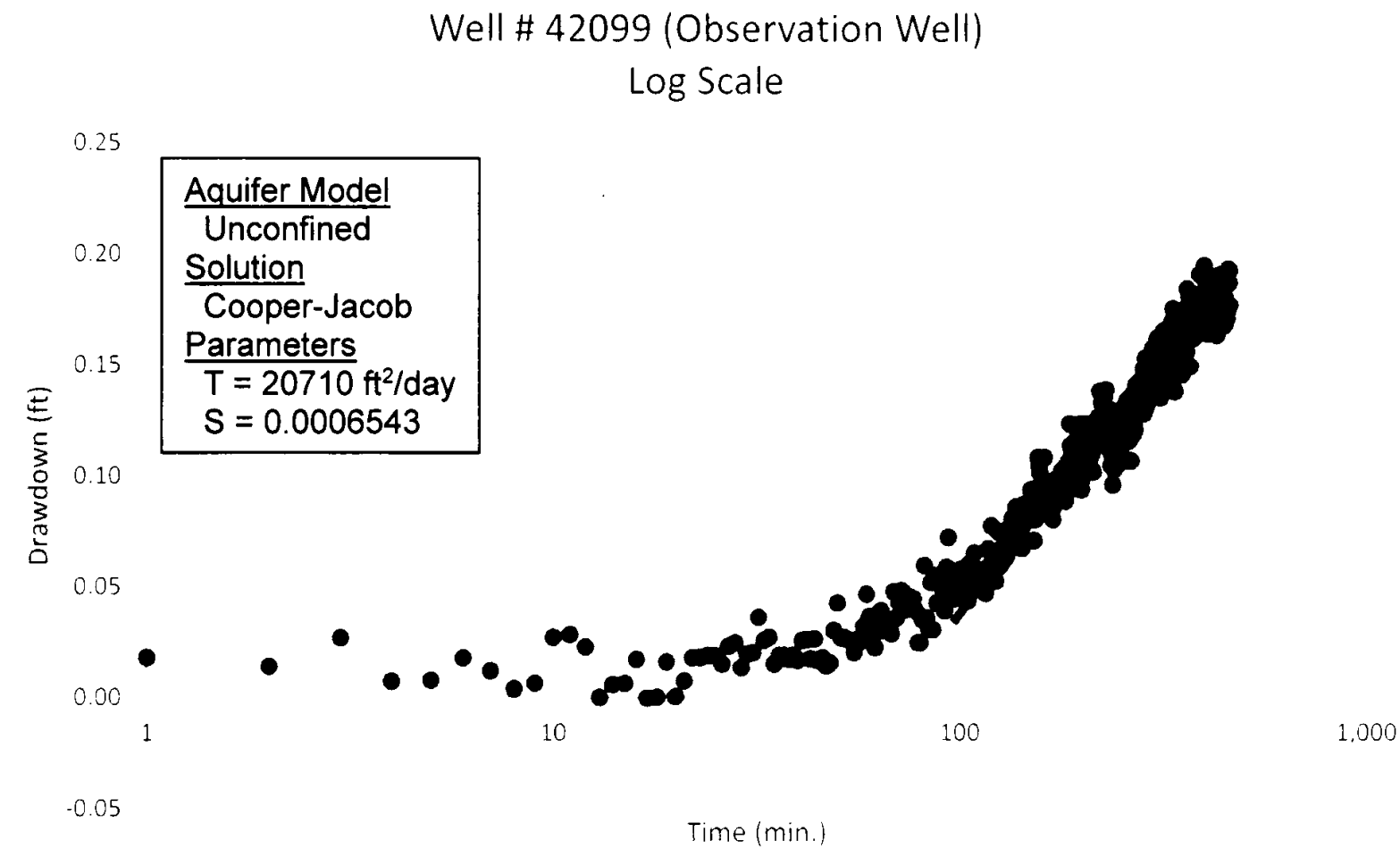


Figure 2: Modified Cooper-Jacob solution for Well #42099

Test Date	Well #	Pump Rate (gpm)	Drawdown (ft)	Specific Capacity (gpm/ft.)	Transmissivity (ft ² /day)	Storativity	Hydraulic Conductivity (ft/day)	Aquifer Thickness (ft)	Pump Start Time	Pump End Time
5/11/2026 -		37	7.2	5.14	-	-	-	41.5	5/11/2026 10:45	5/12/2026 11:00
5/12/2026	42099	-	0.18	-	20710	6.543×10^{-4}	499.04	41.5	-	-

Table 2: Aquifer Test Summary

Water Quality

Water quality samples were collected by Mountain Top Engineering, LLC in a sealed container and stored on ice in a cooler. The samples were taken to Eurofins Environmental Testing Lab and tested in accordance with TAC 230.9. Appendix C provides a copy of the water quality reports.

Table 3 provides the water quality test summary. The results were compared to TCEQ maximum contaminant levels (MCLs) and secondary contaminant levels (SCLs). Results indicate that the measured Fluorides (F) is higher than TCEQ MCL value. Results also indicate that Magnesium and Fluoride (F) are higher than TCEQ SCLs.



Concentrations that exceed TCEQ MCL values are significant and should be considered when determining final drinking water filtration appurtenances. Concentrations above TCEQ SCL standards are not considered health risks but may affect the aesthetic quality of the water. The water samples were also tested for the presence or absence of E. Coli and Coliform which was absent.

	Cl	Conductivity (umho/cm)	F	Fe	NO ₃	Mn	pH	SO ₄	Hardness (as CaCO ₃)	TDS	E. Coli	Coliform
TCEQ MCLs			4		10							
TCEQ SCLs	300		2	0.3		0.05	≥7	300		1000	Presence	Presence
Sampled on 5/12/26	162	1330	5.44	BDL	7.07	60	7.8	194	392	873	Absent	Absent

BDL= Below Detection Limits

Table 3: Water Quality Test Summary

Groundwater Availability

Drawdown estimates were calculated for 10 and 30 years of continuous production. Several assumptions were considered in these calculations for the evaluation of groundwater availability for the proposed subdivision, including some uncertainties such as:

- Possible future contamination of usable groundwater from unforeseen sources
- Potential future withdrawal from the aquifer or connected aquifers from nearby wells outside the subdivision, or other unpredictable factors affecting aquifer storage
- Long-term impacts on the aquifer due to climate changes

Drawdown and cone of depression outer edge were modeled using AQTESOLV software using the Theis equation. The following assumptions were made for the model:

- The water-bearing formation is uniform and isotropic in hydraulic conductivity
- The aquifer is uniform in thickness and extends infinitely in all directions
- Aquifer receives no recharge



- Well penetrates full thickness of aquifer
- The well operates with 100% efficiency
- Flow through well and aquifer is laminar

The lot layout provided indicates an average spacing of approximately 200 feet from lot to lot. Well interference can become significant in areas where aquifer units are strongly connected. Table 4 summarizes the results from the distance-drawdown calculations. The drawdown estimates are based on the following parameters:

- Total water demand for the entire subdivision is 15.73 acre-feet per year
- Water demand per Tract is 0.41 acre-feet per year (370 gpd)
- Each well will be pumped at a constant rate of 370 gpd
- Transmissivity and storativity is uniform throughout the subdivision area and is based on the numbers calculated above.

	Drawdown at 10-years	Drawdown at 30-years	Distance to Outer Edge of Cone of Depression 10-years (<0.1 feet of drawdown)	Distance to Outer Edge of Cone of Depression 30-years (<0.1 feet of drawdown)
Pump Well (370 GPD)	0.05 feet	0.07 feet	N/A	N/A
50 feet from Pump well	0.02 feet	0.03 feet		

Table 4: Distance-drawdown calculations

Conclusions

With a minimum well spacing of 100 feet, it is determined that minimal impacts will be observed in the subdivision due to average pump rates of 370 gallons per day. It should be noted that additional development that may occur adjacent to the proposed subdivision was not accounted for in this evaluation nor was excessive water usage outside the per-capita values referenced and utilized in this report. The water quality report indicates that the groundwater produced at the site generally complies with TCEQ standards for drinking water upon treatment with commercially available in-home reverse osmosis filtration systems.



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Limitations

This report also assumes that no subsurface variations exist across the site. No warranties, either express or implied, are intended or made. In the event of changes to the project not outlined in this report being made, the recommendation contained in this report shall be considered invalid unless Mountain Top Engineering reviews the changes and provides in writing an updated conclusions for the report.

References

- [1] U.S. Census Bureau (2023). QuickFacts Hockley County, Texas. Retrieved from <https://www.census.gov/quickfacts/fact/table/hockleycountytexas,US/PST045223>.
- [2] Llano Estacado Regional Water Planning Group, Llano Estacado (Region O) Regional Water Plan (2026). Lubbock, Texas.
- [3] Aquifers of Texas, Texas Water Development Board (2011). Austin, Texas.
- [4] Texas Aquifers Study, Groundwater quantity, quality, flow, and contributions to Surface Water, Texas Water Development Board (2016). Austin, Texas.
- [5] Cooper, H.H. and C.E. Jacob, 1946. A generalized graphical method for evaluating formation constants and summarizing well field history, Am. Geophys. Union Trans., vol. 27, pp. 526-534.
- [6] Kruseman, G. P., De Ridder, N. A., & Verweij, J. M. (1970). Analysis and evaluation of pumping test data (Vol. 11, p. 200). Wageningen, The Netherlands: International institute for land reclamation and improvement.



M O U N T A I N T O P E N G I N E E R I N G

E L E V A T I N G E X P E C T A T I O N S - S U P E R I O R S E R V I C E

**Appendix A: Certification of Groundwater Availability for
Platting Form**



CERTIFICATION OF GROUNDWATER AVAILABILITY FOR PLATTING FORM

Title 30 Texas Administrative Code (TAC), Section 230.4 (30 TAC 230.4)

Use of this form: The municipal authority pursuant to Texas Local Government Code (TLGC) Section 212.0101, or a county authority pursuant to TLGC Section 232.0032, the plat applicant and the Texas licensed professional engineer or Texas licensed professional geoscientist must use this form based upon the requirements of Title 30, TAC, Chapter 230 to certify that adequate groundwater is available under the land to be subdivided (if the source of water for the subdivision is groundwater under the subdivision) for any subdivision subject to platting under TLGC Section 212.004 and 232.001. The form and 30 TAC Chapter 230 do not replace state requirements applicable to public drinking water supply systems or the authority of counties or groundwater conservation districts under either Texas Water Code (TWC) Section 35.019 or TWC Chapter 36.

For any questions regarding this form, contact the TCEQ Water Availability Division, Groundwater Planning and Assessment Team at GPAT@tceq.texas.gov or by phone at (512) 239-4600.

TCEQ Certification Form: Groundwater Availability for Platting

**Certification of Groundwater Availability for Platting Form****Administrative Information, 30 TAC 230.4**

1. Name of Proposed Subdivision:

Quail Ridge
Lots 54-91

2. Any Previous Names that Identify the Tract of Land:

3. Property Owner(s) Information:

Name: Lot Makers, LLC

Address: 1500 Broadway Street, Ste 1500, Lubbock, Texas 79424

Phone:

Fax:

Email:

4. Plat Applicant Information:

Name: CJKC LLC

Address: 5301 112th Street, Lubbock, Texas 79424

Phone:

Fax:

Email:

5. Licensed Professional Engineer or Geoscientist's Information:

Name: John Adam Nixon, PE

Address: 2525 86th Street Suite B, Lubbock, TX 79404

Phone: 806-403-0800

Fax:

Email: anixon@mountaintopeng.com

Certificate / License Number: 134738

6. Location and Property Description of Proposed Subdivision:

The Site is located west of Quail Road and approximately 1,900 linear feet south of FM 1585 in Eastern Hockley County.

TCEQ Certification Form: Groundwater Availability for Platting

7. Tax Assessor Parcel Number(s).

Book:
Map:
Parcel:

Proposed Subdivision Information, 30 TAC 230.5

8. Purpose of Proposed Subdivision (single family/multi-family residential, non-residential, commercial, other):

If "Other," explain:

9. Size of Proposed Subdivision (in acres): 10. Number of Proposed Lots: 11. Average Size of Proposed Lots (in acres):

12. Anticipated Method of Water Distribution (check all that apply):

- ☐ Expansion of Existing Public Water System (PWS)
☐ New (Proposed) PWS System
☒ Individual Water Wells to Serve Individual Lots
☐ Combination of Methods (Describe below)

Description, if needed:

13. Additional Information, if required by the municipal or county authority:

TCEQ Certification Form: Groundwater Availability for Platting

14. If PWS is anticipated, a written application for service for existing water providers within a one-half mile radius must be attached to this form (30 TAC 230.5(f)). Is this application for service for existing water providers attached to this form?

☐ YES ☒ N/A

Projected Water Demand Estimate, 30 TAC 230.6

15. Residential Water Demand estimate at Full Build Out (includes both single family and multi-family residential):

- a. Number of Proposed Housing Units (single and multi-family):
- b. Average Number of Persons Per Housing Unit:
- c. Volume of Water Required Per Person Per Day (gallons):
- d. Water Demand Per Housing Unit Per Year (acre-feet):
- e. Total Expected Residential Water Demand Per Year (acre-feet):

16. Non-Residential Water Demand Estimate at Full Build-Out (acre-feet/year):

- a. Type(s) of Non-Residential Water Use(s):

- b. Water Demand Per Type Per Year (acre-feet):

17. Total Water Demand Estimate at Full Build-Out (acre-feet/year):

18. Sources of Information Used for Demand Estimates:

US Census Data and Llano Estacado Region O Regional Water Plan

TCEQ Certification Form: Groundwater Availability for Platting

General Groundwater Resource Information, 30 TAC 230.7

19. Identify and describe the aquifer(s) that underlie(s) the proposed subdivision, using Texas Water Development Board (TWDB) names:
Ogallala Aquifer; See attached Groundwater Availability Report

Note: Users may refer to the most recent State Water Plan to obtain general information pertaining to the state's aquifers. The State Water Plan is available on TWDB's webpage at: <https://www.twdb.texas.gov/waterplanning/swp/index.asp>

Obtaining Site-Specific Groundwater Data, 30 TAC 230.8

Answer by checking YES or NO for each of the following questions:

20. ☒ YES ☐ NO Have all known existing, abandoned, and inoperative wells within the proposed subdivision been located, identified, and shown on the plat as required under 30 TAC 230.8(b)?
21. ☒ YES ☐ NO Were the geologic and groundwater resource factors identified under 30 TAC 230.7(b) considered in planning and designing the aquifer test required under 30 TAC 230.8(c)?
22. ☒ YES ☐ NO Have test and observation wells been located, drilled, logged, completed, developed, and shown on the plat as required by 30 TAC 230.8(c)(1) through (4)?
23. ☒ YES ☐ NO Have all reasonable precautions been taken to ensure that contaminants do not reach the subsurface environment and that undesirable groundwater has been confined to the zone(s) of origin (30 TAC 230.8(c)(5))?
24. ☒ YES ☐ NO Has an aquifer test been conducted which meets the requirements of 30 TAC 230.8(c)(1) and (6)?
25. ☒ YES ☐ NO Were existing wells or previous aquifer test data used?
26. ☒ YES ☐ NO If YES to Number 25, did they meet the requirements of 30 TAC 230.8(c)(7)?
27. ☐ YES ☒ NO Were additional observation wells or aquifer testing utilized?

Note: If the anticipated method of water distribution for the proposed subdivision is expansion of an existing public water system (PWS) or a new PWS, site-specific groundwater data shall be developed under the requirements of 30 TAC, Chapter 290, Subchapter D, *Rules and Regulations for Public Water Systems*,

TCEQ Certification Form: Groundwater Availability for Platting

and the applicable information and correspondence developed in meeting those requirements shall be attached to this form pursuant to 30 TAC 230.8(a).

Determination of Groundwater Quality, 30 TAC 230.9

Answer by checking YES or NO for each of the following questions:

28. ☒ YES ☐ NO Have water quality samples been collected as required by 30 TAC 230.9?
29. ☒ YES ☐ NO Has a water quality analysis been performed which meets the requirements of 30 TAC 230.9?

Determination of Groundwater Availability, 30 TAC 230.10

Complete the following by filling in the blanks or answering YES or NO as applicable:

30. ☒ YES ☐ NO Have the aquifer parameters required by 30 TAC 230.10(c) been determined?
31. If YES, provide the aquifer parameters as determined, including units as applicable (check here if a. through h. below are N/A: ☐):
- a. Rate of yield and drawdown:
- b. Specific capacity:
- c. Efficiency of the pumped well:
- d. Transmissivity:
- e. Coefficient of storage:
- f. Hydraulic conductivity:
- g. Were any recharge or barrier boundaries detected? ☐ YES ☒ NO

If YES, please describe:

- h. Thickness of aquifer(s):
32. ☒ YES ☐ NO Have time-drawdown determinations been calculated as required under 30 TAC 230.10(d)(1)?
33. ☒ YES ☐ NO Have distance-drawdown determinations been calculated as required under 30 TAC 230.10(d)(2)?

TCEQ Certification Form: Groundwater Availability for Platting

34. ☒ YES ☐ NO Have well interference determinations been made as required under 30 TAC 230.10(d)(3)?
35. ☒ YES ☐ NO Has the anticipated method of water delivery, the annual groundwater demand estimates at full build out, and geologic and groundwater information been taken into account in making these determinations?
36. ☒ YES ☐ NO Has the water quality analysis required under 30 TAC 230.9 been compared to primary and secondary public drinking water standards as required under 30 TAC 230.10(e)?
37. ☒ YES ☐ NO Does the concentration of any analyzed constituent exceed the standards?

If YES, list the constituent(s) and concentration measure(s) that exceed standards:

Fluoride = 5.44
Magnesium = 60

Groundwater Availability and Usability Statements, 30 TAC 230.11(a) and (b)

Complete the following by filling in the blanks or answering YES/NO as applicable:

38. Drawdown of the aquifer at the pumped well(s) is estimated to be feet over a ten-year period and feet over a 30-year period.
39. Drawdown of the aquifer at the property boundary is estimated to be feet over a ten-year period and feet over a 30-year period.
40. The distance from the pumped well(s) to the outer edges of the cone(s)-of-depression is estimated to be feet over a ten-year period and feet over a 30-year period.
41. The recommended minimum spacing limit between wells is feet with a recommended well yield of gallons per minute per well.
42. Available groundwater is of sufficient quality to meet the intended use of the platted subdivision. ☒ YES ☐ NO
43. The groundwater availability determination does not consider the following conditions (identify any assumptions or uncertainties that are inherent in the groundwater availability determination):

Assumptions: No groundwater production off this tract by others is considered. It is assumed that there is no groundwater recharge. Climate change is not considered in this study. Estimates and calculations are presented on a continuous pumping basis for the time periods indicated. The water-bearing formation is uniform in character and the hydraulic conductivity is the same in all directions. The formation is uniform in thickness and infinite in areal extent. The formation receives no recharge from any source. The pumped well penetrates and receives water from the full thickness of the water-bearing

TCEQ Certification Form: Groundwater Availability for Platting

Certification of Groundwater Availability (30 TAC 230.11(c))

Must be signed by a Texas Licensed Professional Engineer or a Texas Licensed Professional Geoscientist.

44. I, John Adam Nixon, a

Texas Licensed Professional Engineer,

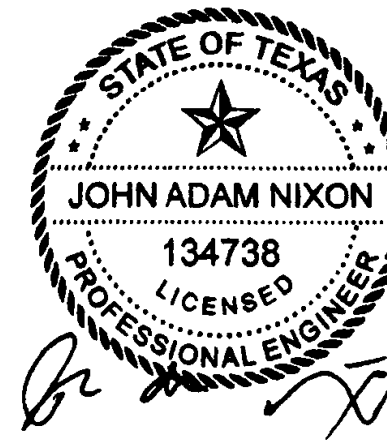
Texas Licensed Professional Geoscientist,

license number 134738, based on best professional judgment, current groundwater conditions, and the information developed and presented in this form, certify that adequate groundwater is available from the underlying aquifer(s) to supply the anticipated use of the proposed subdivision.

Signature 

Date 6/2/2026

(affix seal)





MOUNTAIN TOP ENGINEERING
ELEVATING EXPECTATIONS - SUPERIOR SERVICE

Appendix B: State Well Reports

FINNED

Form No. 360 AWP Cabinet H

Original—Drawer 1

FOR USE OF DISTRICT OFFICE ONLY

High Plains Underground Water Conservation District No 1

Application for Water Well Permit

INSTRUCTIONS: Fill out in quadruplet. Submit all copies to County Committee for recommendation. (PLEASE TYPE OR PRINT)

Field Well No.	3034
Date Application Filed	1-2-1962
Time of Filing	3:40 Pm
Date Recommended By County Committee	1-5-62
Size of Pump	4
Maximum Yield	265 GPM

I, Raymond J Edwards Rt 5 Lubbock

hereby make application to HIGH PLAINS UNDERGROUND WATER CONSERVATION DISTRICT NO. 1 for a permit to drill the hereinafter described water well at the location indicated:

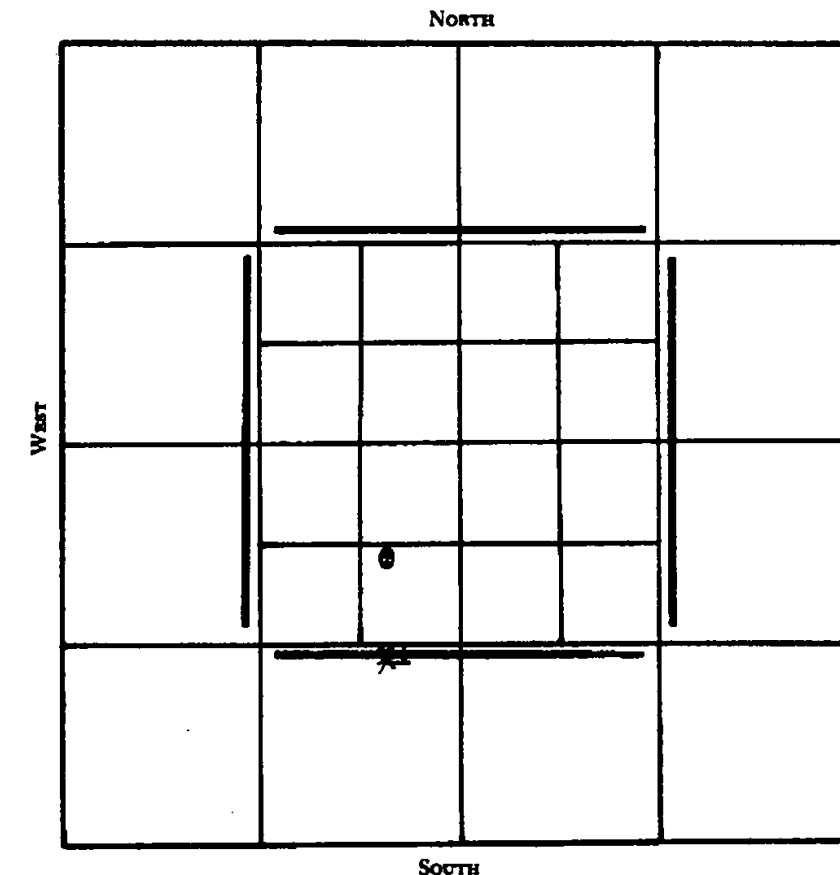
- County Hockley
- NW, NE, SW, SE of Section Block
Survey Wilbarger CSL Abstract 145
- Labor 21 League 6
- Proposed Use (Municipal, Industrial, Irrigation)
MARK OUT ONES THAT DO NOT APPLY
- Drilling to start about 19

This well will be located: 4 1/2 miles N or S and 3 miles E or W of the

Permit good for 4 months only from date of filing. town of Ropesville

MARK DOT INSIDE CIRCLE  within Red Square for proposed well location. (Red square indicates 1 quarter section or 1 labor)

MARK X, showing 3 closest wells, and/or authorized well site.



SCALE FOR ABOVE PLAT

1 1/10 inches	440 yards	Minimum for 10-inch well
1 inch	400 yards	Minimum for 8-inch well
3/4 inch	300 yards	Minimum for 6-inch well
5/8 inch	250 yards	Minimum for 4-inch well
1/2 inch	200 yards	Minimum for 3 or 4-inch well

COMMENTS: Deposit transferred

from \$ 2976

I agree that this well will be drilled within ten (10) yards of the location specified and not closer to an existing well or authorized well site than the minimum spacing requirements, and that I will furnish my County Committee the completed well registration and log immediately upon completion of this well and prior to the production of water.

This notice given by: Raymond J Edwards SIGNATURE (LANDOWNER OR AGENT) TITLE ADDRESS

This permit recommended subject to the rules for spacing from existing wells and/or authorized well site.

1. James C. Cook 2. Bryan L. Smith 3. John L. Larson

Check here: ☒ when well is located on the County map. ☐ Deposit Received.

SMITH PRINTING CO. - DIAL 903-9019

Please Make Sure
Your Measurements Are Correct —

(They will be checked for accuracy)

Location of proposed Well as submitted by applicant is 200 measured yards from N (S)

and 280 measured yards from W (E) property line, quarter section line, or labor line.

Number three adjacent wells, and/or authorized well sites, on the plat as 1, 2, and 3, to correspond with the following:

Well 1 220 measured yards from proposed well site.

Owned by applicant

Address _____

Well 2 _____ measured yards from proposed well site.

Owned by RECEIVED

Address LUBBOCK, TEXAS

Well 3 JAN 17 1962 measured yards from proposed well site.

Owned by H. PLAINS UNDERGROUND
WATER CONS. DIST. No. 1

Address _____

Cabinet H
Original—D Drawer 1

High Plains Underground Water Conservation District No. 1

REGISTRATION and LOG of WELL

INSTRUCTIONS: Fill out in quadruplicate. Submit all copies to County Committeeman for registration. (Please type or print.)

FOR USE OF COMMITTEEMEN	
Field Well No.	3034
Date Received	1-18-1962
Permit Size	Maximum
of Pump	4 in Yield 265 GPM

1. Land Owner Raymond J Edwards Address Rt 5 Lubbock

2. Well located 4 1/2 miles N, 3 miles S, 3 miles E, 3 miles W of the town of Ropesville

3. County Hockley Labor 21 League 6 Abstract No. 145

4. NW 1/4 NE 1/4 SW 1/4 SE 1/4 Section Block Survey Wilbarger CSL

MARK OUT THOSE THAT DO NOT APPLY

DRILLER'S LOG of WELL

Method of Drilling: Rotary Spudder Diameter of Well: inches.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL	FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	4	top soil			
4	30	caliche			
30	48	sandy shale			
48	52	rock			
52	80	sandstone			
80	99	sandy shale			
99	108	fine sand			
108	113	clay			
113	152	sand & gravel			
152	158	yellow clay			
158	161	blue clay			

REMARKS:

RECEIVED
HOCKLEY COUNTY, TEXAS

JAN 22 1962

HI-PLAINS UNDERGROUND
WATER CONSERVATION DIST. NO. 1

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.

Driller Nordyke Drilling Address Lubbock Date Drilled 1-12-1962

DESCRIPTION OF WELL AND PRODUCTION EQUIPMENT

(This Does Not Mean Testing or Development Pump)

6. Casing: new, used, gas line, or shop made. Diameter 10 in. Total casing length 161 ft.

7. Casing perforations: from 121 ft. to 161 ft. Size 1/2 in. Number of rows 4 rows

8. Pump Column: Size 4 in. Column, shaft length 150 ft. Suction pipe size 4 in. Suction pipe length 3 ft.

9. Pump bowls: Size 6 in. Number of stages 5 Pump discharge pipe: Size 4 in.

10. Depth to water level ft. Pump yield 150 GPM. Pumping level: ft.

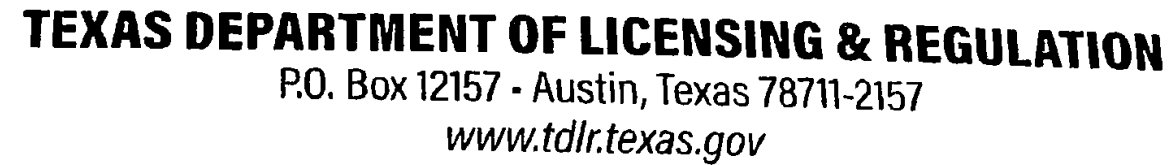
11. Power Unit (Electrical, Natural Gas, Butane, Other) Horsepower 10

Signature Raymond J Edwards Owner

LANDOWNER OR AGENT

TITLE

ADDRESS



Attention Owner: Confidentiality Privilege Notice on reverse side of owner's copy.		Texas Department of Licensing and Regulation Water Well Driller/Pump Installer Section P.O. Box 12157 Austin, Texas 78711 Toll free (800)803-9202 (512)334-5540 Email address: water.well@tdlr.texas.gov Web address: www.tdlr.texas.gov		This form must be completed and filed with the department and owner within 60 days upon completion of the well	
WELL REPORT					
A. WELL IDENTIFICATION AND LOCATION DATA					
1) OWNER					
Name:	Address:		City:	State:	Zip:
Mountain Top Eng.					
2) WELL LOCATION					
County:	Physical Address:		City:	State:	Zip:
Hockley			(Ropesville)	TX	
3) Type of Work					
☐ New Well ☐ Reconditioning ☐ Replacement ☐ Deepening ☐ Other		4) Proposed Use (check) ☐ Monitor ☐ Environmental Soil Boring ☒ Domestic ☐ Industrial ☐ Frac ☐ Irrigation ☐ Injection ☐ Extraction ☐ De-watering ☐ Testwell ☐ Rig Supply ☐ Stock or Livestock ☐ Other: test ☐ Public Supply — If Public Supply, were plans approved? ☐ Yes ☐ No			
5) Drilling Date		6) Diameter of Hole			
Started <u>5 / 8 / 26</u>		Dia.(in.) From (ft.) To (ft.)			
Completed <u>5 / 9 / 26</u>		9" 0 160			
Number of identical wells drilled at this location:		7) Drilling Method (check) ☐ Driven ☐ Air Rotary ☐ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Hollow stem Auger ☐ Reverse Circulation ☐ Other:			
		8) Borehole Completion ☐ Open Hole ☐ Straight Wall ☐ Under-reamed ☒ Filter Packed ☐ Other Filter packed interval from: <u>160</u> ft. to: <u>95</u> ft. Size: <u>1/4"</u> Type: <u>pca</u>			
From (ft.)		To (ft.)		Description and color of formation material	
0		5		Topsoil	
5		60		Sandstone and sandy clay	
60		90		sand and sandy clay	
90		105		Sand	
105		115		Sandstone and sandy clay	
115		130		sand and small gravel	
130		155		sand and gravel	
155		160		Blue clay	
(Use reverse side of Well Owner's copy, if necessary).					
14) Plugged ☐ Well plugged within 48 hours					
Casing left in well: Cement/Bentonite placed in well:					
From (ft.)		To (ft.)		#Sacks or Material used	
15) Type Pump					
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other _____ Depth to pump bowls, cylinder, jet etc., _____ ft.					
16) Water Test					
Type test: ☐ Pump ☐ Bailor ☐ Jetted ☐ Estimated ☐ Other					
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.					
17) Water Quality					
Depth of Strata: _____ Was a chemical analysis made? ☐ Yes ☐ No. Did you knowingly penetrate a strata which contains injurious constituents? ☐ Yes ☐ No					
If yes, Type of water _____					
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, injurious 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.					
18) Company & Individual's Name: (type or print)				Lic. No.: _____	
Address :			City:	State:	Zip
By signing this well report, you certify that you drilled or supervised the drilling of this well and that each and all of the statements herein are true and correct.					
Signature:		Date: ____/____/____		Name: _____	
I Licensed Driller/Pump Installer		Unlicensed Assistant (printed)		Driller/Pump Installer (copy)	
TDLR FORM 001WWD / 06-23		TDLR (Original)		OVER Landowner (copy)	



M O U N T A I N T O P E N G I N E E R I N G

E L E V A T I N G E X P E C T A T I O N S - S U P E R I O R S E R V I C E

Appendix C: Water Quality Test Summary



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Nixon
Mountain Top Engineering
604 CR 7200
Lubbock, Texas 79404

Generated 5/29/2026 11:53:16 AM

JOB DESCRIPTION

Quail Ridge Phase II
26ENGXX

JOB NUMBER

820-25093-1

Eurofins Lubbock
6701 Aberdeen Ave.
Suite 8
Lubbock TX 79424

See page two for job notes and contact information

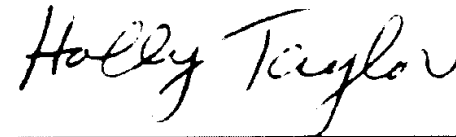
Eurofins Lubbock

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Laboratory Job ID: 820-25093-1
SDG: 26ENGXX

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Definitions/Glossary

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
U	Indicates the analyte was analyzed for but not detected.

Biology

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Mountain Top Engineering
Project: Quail Ridge Phase II

Job ID: 820-25093-1

Job ID: 820-25093-1

Eurofins Lubbock

Job Narrative
820-25093-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 5/12/2026 4:37 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 21.3°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Biology
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Client Sample ID: Sample #1
Date Collected: 05/12/26 16:00
Date Received: 05/12/26 16:37

Lab Sample ID: 820-25093-1
Matrix: Drinking Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	7.07		0.100	mg/L			05/14/26 00:33	1
Nitrite as N	<0.100	U	0.100	mg/L			05/14/26 00:33	1
Chloride	162		5.00	mg/L			05/14/26 00:39	10
Fluoride	5.44		5.00	mg/L			05/14/26 00:39	10
Sulfate	194		5.00	mg/L			05/14/26 00:39	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	57.9		0.200	mg/L		05/15/26 22:18	05/19/26 14:17	1
Iron	<0.200	U	0.200	mg/L		05/15/26 22:18	05/19/26 14:17	1
Magnesium	60.0		0.200	mg/L		05/15/26 22:18	05/19/26 14:17	1
Sodium	139		0.500	mg/L		05/15/26 22:18	05/19/26 14:17	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	392		0.400	mg/L			05/19/26 17:24	1
Calcium hardness as calcium carbonate	145		0.200	mg/L			05/19/26 17:24	1
Magnesium hardness as calcium carbonate	247		0.400	mg/L			05/19/26 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	1330		10.0	umho/cm @ 25C			05/20/26 21:11	1
Total Dissolved Solids (SM 2540C)	873		10.0	mg/L			05/15/26 12:47	1
pH (SM 4500 H+ B)	7.8	HF		SU			05/20/26 21:11	1
Temperature (SM 4500 H+ B)	16.9	HF		Degrees C			05/20/26 21:11	1

Method: SM 9223B - Coliforms, Total, and E.Coli (Presence/Absence)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	ABSENT	U		NONE			05/12/26 16:40	1
Coliform, Total	ABSENT	U		NONE			05/12/26 16:40	1

QC Sample Results

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-
SDG: 26ENGX

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-322579/121
Matrix: Drinking Water
Analysis Batch: 322579

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<0.500	U	0.500	mg/L			05/13/26 22:48	
Fluoride	<0.500	U	0.500	mg/L			05/13/26 22:48	
Sulfate	<0.500	U	0.500	mg/L			05/13/26 22:48	

Lab Sample ID: LCS 860-322579/122
Matrix: Drinking Water
Analysis Batch: 322579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Chloride	10.0	9.718		mg/L		97	90 - 110	
Fluoride	10.0	10.46		mg/L		105	90 - 110	
Sulfate	10.0	9.012		mg/L		90	90 - 110	

Lab Sample ID: LCSD 860-322579/123
Matrix: Drinking Water
Analysis Batch: 322579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	RPI
		Result	Qualifier				Limits			
Chloride	10.0	9.681		mg/L		97	90 - 110	0		20
Fluoride	10.0	10.43		mg/L		104	90 - 110	0		20
Sulfate	10.0	9.001		mg/L		90	90 - 110	0		20

Lab Sample ID: LLCS 860-322579/125
Matrix: Drinking Water
Analysis Batch: 322579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Chloride	0.500	0.6366		mg/L		127	50 - 150	
Fluoride	0.500	0.3782	J	mg/L		76	50 - 150	
Sulfate	0.500	0.5684		mg/L		114	50 - 150	

Lab Sample ID: MB 860-322580/121
Matrix: Drinking Water
Analysis Batch: 322580

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Nitrate as N	<0.100	U	0.100	mg/L			05/13/26 22:48	1
Nitrite as N	<0.100	U	0.100	mg/L			05/13/26 22:48	1

Lab Sample ID: LCS 860-322580/122
Matrix: Drinking Water
Analysis Batch: 322580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Nitrate as N	10.0	10.54		mg/L		105	90 - 110	
Nitrite as N	10.0	9.827		mg/L		98	90 - 110	

QC Sample Results

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-322580/123
Matrix: Drinking Water
Analysis Batch: 322580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier				Limits		
Nitrate as N	10.0	10.52		mg/L		105	90 - 110	0	20
Nitrite as N	10.0	9.811		mg/L		98	90 - 110	0	20

Lab Sample ID: LLCS 860-322580/124
Matrix: Drinking Water
Analysis Batch: 322580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LLCS	LLCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Nitrate as N	0.100	0.1317		mg/L		132	50 - 150
Nitrite as N	0.100	0.08236	J	mg/L		82	50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-323837/1-A
Matrix: Drinking Water
Analysis Batch: 324753

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 323837

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Calcium	<0.200	U	0.200	mg/L		05/15/26 22:17	05/19/26 13:38	1
Iron	<0.200	U	0.200	mg/L		05/15/26 22:17	05/19/26 13:38	1
Magnesium	<0.200	U	0.200	mg/L		05/15/26 22:17	05/19/26 13:38	1
Sodium	<0.500	U	0.500	mg/L		05/15/26 22:17	05/19/26 13:38	1

Lab Sample ID: LCS 860-323837/2-A
Matrix: Drinking Water
Analysis Batch: 324753

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 323837

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Calcium	25.0	25.50		mg/L		102	85 - 115
Iron	5.00	5.360		mg/L		107	85 - 115
Magnesium	25.0	25.40		mg/L		102	85 - 115
Sodium	25.0	25.10		mg/L		100	85 - 115

Lab Sample ID: LCSD 860-323837/3-A
Matrix: Drinking Water
Analysis Batch: 324753

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 323837

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier				Limits		
Calcium	25.0	25.70		mg/L		103	85 - 115	1	20
Iron	5.00	5.400		mg/L		108	85 - 115	1	20
Magnesium	25.0	25.60		mg/L		102	85 - 115	1	20
Sodium	25.0	25.30		mg/L		101	85 - 115	1	20

Lab Sample ID: LLCS 860-323837/4-A
Matrix: Drinking Water
Analysis Batch: 324753

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 323837

Analyte	Spike	LLCS	LLCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Calcium	0.200	0.2270		mg/L		114	50 - 150
Iron	0.200	0.2470		mg/L		124	50 - 150

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QC Sample Results

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LLCS 860-323837/4-A				Client Sample ID: Lab Control Sample			
Matrix: Drinking Water				Prep Type: Total Recoverable			
Analysis Batch: 324753				Prep Batch: 323837			
Analyte	Spike	LLCS	LLCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Magnesium	0.200	0.2170		mg/L		109	50 - 150
Sodium	0.500	0.4500	J	mg/L		90	50 - 150

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 860-325458/2					Client Sample ID: Method Blank			
Matrix: Drinking Water					Prep Type: Total/NA			
Analysis Batch: 325458								
Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Specific Conductance	<10.0	U	10.0	umho/cm @ 25C			05/20/26 18:37	1

Lab Sample ID: MB 860-325458/76					Client Sample ID: Method Blank			
Matrix: Drinking Water					Prep Type: Total/NA			
Analysis Batch: 325458								
Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Specific Conductance	<10.0	U	10.0	umho/cm @ 25C			05/20/26 21:40	1

Lab Sample ID: LCS 860-325458/3				Client Sample ID: Lab Control Sample			
Matrix: Drinking Water				Prep Type: Total/NA			
Analysis Batch: 325458							
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Specific Conductance	1410	1346		umho/cm @ 25C		95	90 - 110

Lab Sample ID: LCS 860-325458/77				Client Sample ID: Lab Control Sample			
Matrix: Drinking Water				Prep Type: Total/NA			
Analysis Batch: 325458							
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Specific Conductance	1410	1497		umho/cm @ 25C		106	90 - 110

Lab Sample ID: LCSD 860-325458/4					Client Sample ID: Lab Control Sample Dup				
Matrix: Drinking Water					Prep Type: Total/NA				
Analysis Batch: 325458									
Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Specific Conductance	1410	1472		umho/cm @ 25C		104	90 - 110	9	20

Lab Sample ID: LCSD 860-325458/78				Client Sample ID: Lab Control Sample Dup					
Matrix: Drinking Water				Prep Type: Total/NA					
Analysis Batch: 325458									
Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Specific Conductance	1410	1463		umho/cm @ 25C		104	90 - 110	2	20

Eurofins Lubbock

QC Sample Results

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-323639/1
Matrix: Drinking Water
Analysis Batch: 323639

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fac
Total Dissolved Solids	<5.00	U	5.00	mg/L			05/15/26 12:47	1

Lab Sample ID: LCS 860-323639/2
Matrix: Drinking Water
Analysis Batch: 323639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	984.0		mg/L		98	80 - 120

Lab Sample ID: LLCS 860-323639/3
Matrix: Drinking Water
Analysis Batch: 323639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	5.00	<5.00	U	mg/L		80	50 - 150

QC Association Summary

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-
SDG: 26ENGX

HPLC/IC

Analysis Batch: 322579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total/NA	Drinking Water	300.0	
MB 860-322579/121	Method Blank	Total/NA	Drinking Water	300.0	
LCS 860-322579/122	Lab Control Sample	Total/NA	Drinking Water	300.0	
LCSD 860-322579/123	Lab Control Sample Dup	Total/NA	Drinking Water	300.0	
LLCS 860-322579/125	Lab Control Sample	Total/NA	Drinking Water	300.0	

Analysis Batch: 322580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total/NA	Drinking Water	300.0	
MB 860-322580/121	Method Blank	Total/NA	Drinking Water	300.0	
LCS 860-322580/122	Lab Control Sample	Total/NA	Drinking Water	300.0	
LCSD 860-322580/123	Lab Control Sample Dup	Total/NA	Drinking Water	300.0	
LLCS 860-322580/124	Lab Control Sample	Total/NA	Drinking Water	300.0	

Metals

Prep Batch: 323837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total Recoverable	Drinking Water	200.7	
MB 860-323837/1-A	Method Blank	Total Recoverable	Drinking Water	200.7	
LCS 860-323837/2-A	Lab Control Sample	Total Recoverable	Drinking Water	200.7	
LCSD 860-323837/3-A	Lab Control Sample Dup	Total Recoverable	Drinking Water	200.7	
LLCS 860-323837/4-A	Lab Control Sample	Total Recoverable	Drinking Water	200.7	

Analysis Batch: 324753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total Recoverable	Drinking Water	200.7 Rev 4.4	323837
MB 860-323837/1-A	Method Blank	Total Recoverable	Drinking Water	200.7 Rev 4.4	323837
LCS 860-323837/2-A	Lab Control Sample	Total Recoverable	Drinking Water	200.7 Rev 4.4	323837
LCSD 860-323837/3-A	Lab Control Sample Dup	Total Recoverable	Drinking Water	200.7 Rev 4.4	323837
LLCS 860-323837/4-A	Lab Control Sample	Total Recoverable	Drinking Water	200.7 Rev 4.4	323837

Analysis Batch: 324810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total/NA	Drinking Water	SM 2340B	

General Chemistry

Analysis Batch: 323639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total/NA	Drinking Water	SM 2540C	
MB 860-323639/1	Method Blank	Total/NA	Drinking Water	SM 2540C	
LCS 860-323639/2	Lab Control Sample	Total/NA	Drinking Water	SM 2540C	
LLCS 860-323639/3	Lab Control Sample	Total/NA	Drinking Water	SM 2540C	

Analysis Batch: 325458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total/NA	Drinking Water	SM 2510B	
MB 860-325458/2	Method Blank	Total/NA	Drinking Water	SM 2510B	
MB 860-325458/76	Method Blank	Total/NA	Drinking Water	SM 2510B	
LCS 860-325458/3	Lab Control Sample	Total/NA	Drinking Water	SM 2510B	
LCS 860-325458/77	Lab Control Sample	Total/NA	Drinking Water	SM 2510B	

QC Association Summary

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

General Chemistry (Continued)

Analysis Batch: 325458 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-325458/4	Lab Control Sample Dup	Total/NA	Drinking Water	SM 2510B	
LCSD 860-325458/78	Lab Control Sample Dup	Total/NA	Drinking Water	SM 2510B	

Analysis Batch: 325459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total/NA	Drinking Water	SM 4500 H+ B	

Biology

Analysis Batch: 4808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-25093-1	Sample #1	Total/NA	Drinking Water	9223B	

Lab Chronicle

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Client Sample ID: Sample #1
Date Collected: 05/12/26 16:00
Date Received: 05/12/26 16:37

Lab Sample ID: 820-25093-1
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	322580	05/14/26 00:33	A1S	EET HOU
Total/NA	Analysis	300.0		10			322579	05/14/26 00:39	A1S	EET HOU
Total Recoverable	Prep	200.7			50 mL	50 mL	323837	05/15/26 22:18	PB	EET HOU
Total Recoverable	Analysis	200.7 Rev 4.4		1			324753	05/19/26 14:17	JDM	EET HOU
Total/NA	Analysis	SM 2340B		1			324810	05/19/26 17:24	JM	EET HOU
Total/NA	Analysis	SM 2510B		1			325458	05/20/26 21:11	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	323639	05/15/26 12:47	AP	EET HOU
Total/NA	Analysis	SM 4500 H+ B		1			325459	05/20/26 21:11	VS	EET HOU
Total/NA	Analysis	9223B		1	100 mL	100 mL	4808	05/12/26 16:40	KG	EET LUB

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET LUB = Eurofins Lubbock, 6701 Aberdeen Ave., Suite 8, Lubbock, TX 79424, TEL (806)794-1296

Accreditation/Certification Summary

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Laboratory: Eurofins Lubbock

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704219	03-31-27

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T104704215. This list may include analytes for which the agency does not offer certification :

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	200.7	Drinking Water	Calcium
SM 2340B		Drinking Water	Calcium hardness as calcium carbonate
SM 2340B		Drinking Water	Hardness as calcium carbonate
SM 2340B		Drinking Water	Magnesium hardness as calcium carbonate
SM 4500 H+ B		Drinking Water	pH
SM 4500 H+ B		Drinking Water	Temperature



Method Summary

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-
SDG: 26ENGX

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET HOU
200.7 Rev 4.4	Metals (ICP)	EPA	EET HOU
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET HOU
SM 2510B	Conductivity, Specific Conductance	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
SM 4500 H+ B	pH	SM	EET HOU
9223B	Coliforms, Total, and E.Coli (Presence/Absence)	SM	EET LUB
200.7	Preparation, Total Recoverable Metals	EPA	EET HOU

Protocol References:

- EPA = US Environmental Protection Agency
- SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

- EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
- EET LUB = Eurofins Lubbock, 6701 Aberdeen Ave., Suite 8, Lubbock, TX 79424, TEL (806)794-1296

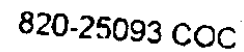
Sample Summary

Client: Mountain Top Engineering
Project/Site: Quail Ridge Phase II

Job ID: 820-25093-1
SDG: 26ENGXX

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
820-25093-1	Sample #1	Drinking Water	05/12/26 16:00	05/12/26 16:37	Texas

2



eurofins

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	Adam Nixon.	Bill to: (if different)	Use CC on file
Company Name:	Mountain Top Engineering	Company Name:	Mountain Top Eng
Address:	604 CR 7200	Address:	
City, State ZIP:	Lubbock, TX 79404	City, State ZIP:	
Phone:	806-403-0800	Email:	anixon@mountaintopeng.com tharntis@mountaintopeng.com smejewas@mountaintopeng.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other:

[illegible]

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn			
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010:	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U			Hg:	1631 / 245.1 / 7470 / 7471										

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1				5/12/26 1637	2				
3					4				
5					6				

Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Mountain Top Engineering

Job Number: 820-25093-1
SDG Number: 26ENGXX

Login Number: 25093
List Number: 1
Creator: Pena, Yazmeane

List Source: Eurofins Lubbock

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Mountain Top Engineering

Job Number: 820-25093-1
SDG Number: 26ENGXX

Login Number: 25093
List Number: 2
Creator: Marrero, Misleydis

List Source: Eurofins Houston
List Creation: 05/13/26 04:26 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



M O U N T A I N T O P E N G I N E E R I N G
E L E V A T I N G E X P E C T A T I O N S - S U P E R I O R S E R V I C E

Appendix D: Site Map

