

Incident ID	nAPP2116745753
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>> 100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2116745753
District RP	
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Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Carolyn BlackallerTitle: Sr. Environmental SpecialistSignature: Date: 7/6/21email: Carolyn.Blackaller@energytransfer.comTelephone: (432) 203-8290**OCD Only**

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Carolyn Blackaller

Title: Sr. Environmental Specialist

Signature: 

Date: 7/6/21

email: Carolyn.Blackaller@energytransfer.com

Telephone: (432) 203-8290

OCD Only

Received by: Chad Hensley

Date: 07/20/2021

☒ Approved

☐ Approved with Attached Conditions of Approval

☐ Denied

☐ Deferral Approved

Signature: 

Date: 07/20/2021

Site Assessment Report and Proposed Remediation Workplan

ETC Texas Pipeline, Ltd.

Cal C Release

Lea County, New Mexico

Unit Letter A, Section 12, Township 26 South, Range 36 East

Latitude 32.064591 North, Longitude 103.210708 West

NMOCD Reference No. nAPP2116745753

Prepared By:

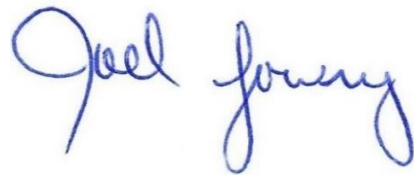
Etech Environmental & Safety Solutions, Inc.

3100 Plains Highway

Lovington, New Mexico 88260



Matthew Grieco



Joel W. Lowry



Midland • San Antonio • Lubbock • Lovington • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of ETC Texas Pipeline, Ltd., has prepared this *Site Assessment Report and Proposed Remediation Workplan* for the release site known as the Cal C Release (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.064591 Longitude: -103.210708

Provided GPS are in WGS84 format.

Site Name:	Cal C Release	Site Type:	Pipeline
Date Release Discovered:	6/12/2021	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
A	12	26S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name EL PASO NATURAL GAS COMPANY)

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe) Pipeline Liquids	Volume/Weight Released (bbls) 6.33	Volume/Weight Recovered (bbls) 3

Cause of Release:

The release was attributed to the rubber blowing out of an existing clamp. The rubber on the clamp was replaced, then the section of line was put back into service.

Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>> 100 Feet</u>		
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
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Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 4, and 5.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
> 100 Feet	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

On June 22, 2021, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing visual/olfactory senses and concentrations of chloride utilizing a Hach Quantab ® chloride test kit. A site and sample location map is provided as Figure 3. Field data and soil profile logs are provided as Appendix B.

Based on field observations and field test data, eleven (11) delineation soil samples (EH @ 1', EH @ SURFACE, NH @ 1', NH @ SURFACE, SH @ 1', SH @ SURFACE, V1 @ SURFACE, V1 @ 2', V1 @ 4', WH @ 1', and WH @ SURFACE) were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and Chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria, and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined. A soil chemistry table is provided as Table 1. Laboratory analytical reports are provided in Appendix C.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, ETC Texas Pipeline, Ltd., proposes the following remediation activities designed to advance the Site toward an approved closure:

- Excavate impacted soil within the release margins. The floor and sidewalls of the excavated area will be advanced until laboratory analytical results indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.
- The excavated soil will be temporarily stockpiled on-site and then transported to an NMOCD-approved facility for disposal.
- Upon receiving laboratory analytical results from confirmation soil samples, backfill the excavated area with locally sourced, non-impacted "like" material.
- Upon completion of remediation activities, a *Remediation Summary and Soil Closure Request* will be prepared detailing field activities and laboratory analytical results from confirmation soil samples.

6.0 SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite confirmation soil samples will be collected from the excavation sidewalls in each cardinal direction, representing no more than fifty (50) linear feet. A minimum of one (1) representative five-point composite confirmation soil sample will be collected from the base of the excavated area representing every 200 square feet. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary.

7.0 TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within ninety (90) days of receiving necessary approval(s) of the *Site Assessment Summary and Proposed Remediation Plan*. Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, it is estimated that approximately 84 cubic yards of impacted soil is in need of removal.

8.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area will be compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. As the impacted area is on a production pad, no reseeding will be required.

9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Site Assessment Report and Proposed Remediation Workplan* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of ETC Texas Pipeline, Ltd. Use of the information contained in this report is prohibited without the consent of Etech and/or ETC Texas Pipeline, Ltd.

10.0 DISTRIBUTION

ETC Texas Pipeline, Ltd.

600 N. Marienfeld. St.

Suite 700

Midland, TX 79701

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1

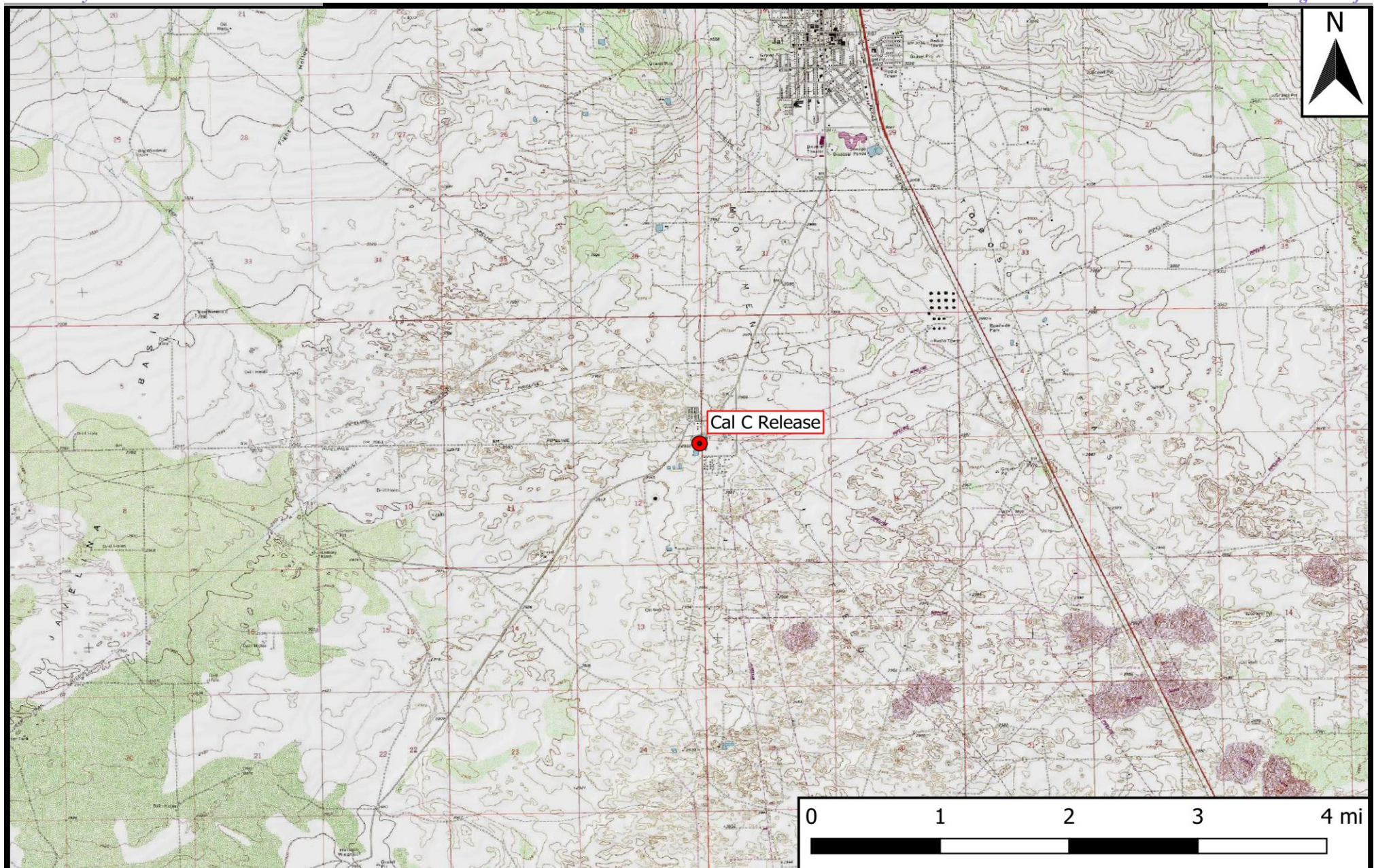
1220 South St. Francis Drive

Santa Fe, NM 87505

(Electronic Submission)

Figure 1

Topographic Map

**Legend**

● Site Location

Figure 1
Topographic Map
ETC Texas Pipeline, Ltd.
Cal C Release
GPS: 32.064591, -103.210708
Lea County

ETECH
Environmental & Safety Solutions, Inc.

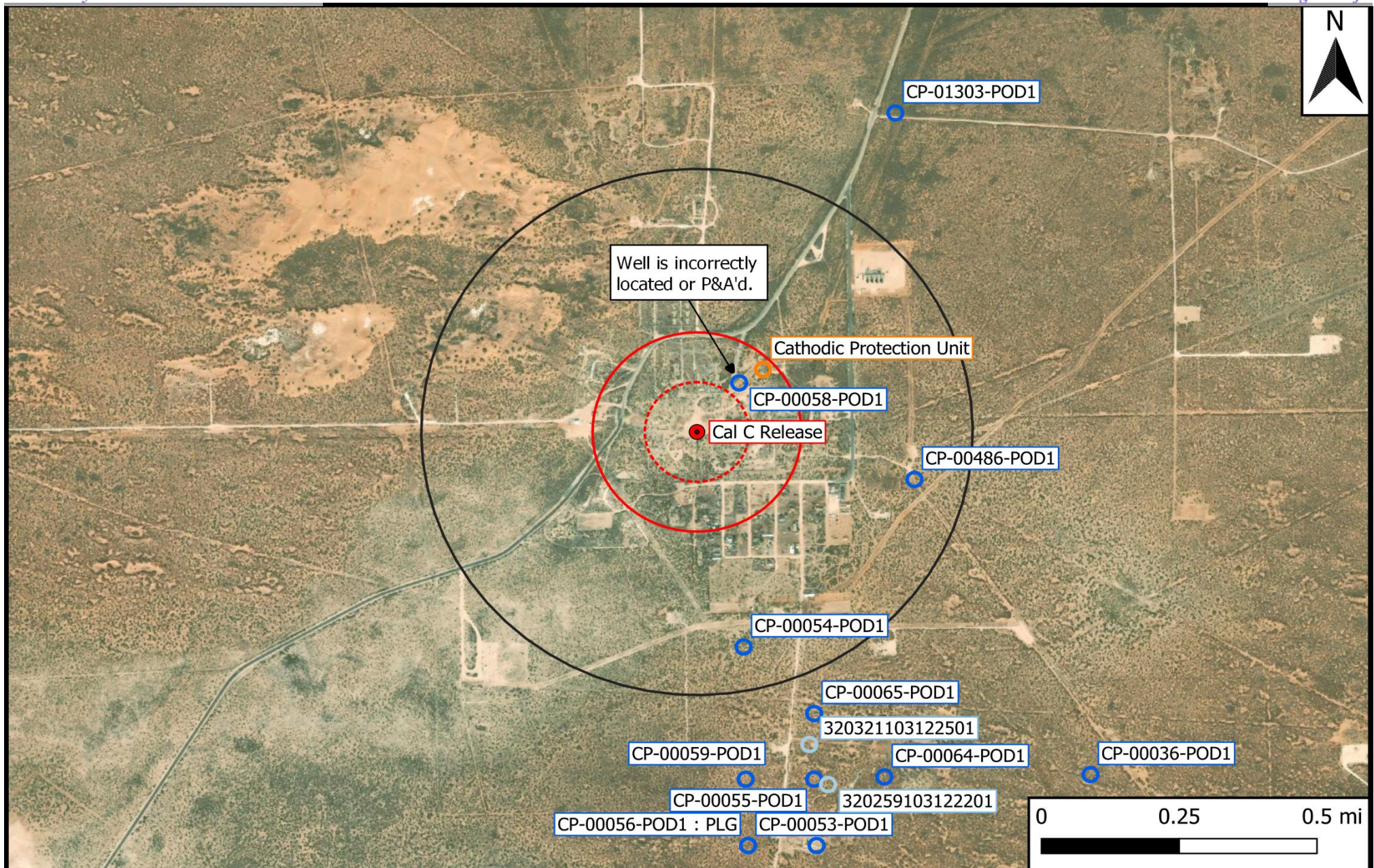
Drafted: mag

Checked: jwl

Date: 6/28/21

Figure 2

Aerial Proximity Map



- | | |
|------------------------|------------------------------|
| ● Site Location | ⋯ 500 Ft Radius |
| ● Well - NMOSE | ⬜ 1000 Ft Radius |
| ● Well - USGS | ⬜ 0.5 Mi Radius |
| ● Well - Other | ■ 1% Annual Flood Chance |
| — Potash Mine Workings | ■ Lake/Freshwater Pond |
| ■ Medium/High Karst | ■ Emergent/Forested Wetlands |
| | ■ Riverine |

Figure 2
Aerial Proximity Map
ETC Texas Pipeline, Ltd.
Cal C Release
GPS: 32.064591, -103.210708
Lea County

eTECH
Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl

Date: 6/29/21

Figure 3

Site and Sample Location Map

**Legend**

- Site Location
- ⊕ Sample Point

Figure 3

Site and Sample Location Map
ETC Texas Pipeline, Ltd.
Cal C Release
GPS: 32.064591, -103.210708
Lea County

eTECH
Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl

Date: 6/28/21

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
ETC Texas Pipeline, Ltd.
Cal C Release
NMOCD Ref. #: nAPP2116745753

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
EH @ SURFACE	6/22/2021	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH @ 1'	6/22/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH @ SURFACE	6/22/2021	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NH @ 1'	6/22/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH @ SURFACE	6/22/2021	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SH @ 1'	6/22/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
V1 @ SURFACE	6/22/2021	0	In-Situ	<0.050	7.66	232	602	834	37.7	872	304
V1 @ 2'	6/22/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
V1 @ 4'	6/22/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH @ SURFACE	6/22/2021	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH @ 1'	6/22/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Inferred Depth to Groundwater Trend Map
ETC Texas Pipeline, Ltd.
Cal C Release
GPS: 32.064591, -103.210708
Lea County



Date: 6/28/21



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00486 POD1		CP	LE	2	1	07	26S	37E		669537	3548851*	651	500		
CP 00054 POD1		CP	LE	3	3	1 07	26S	37E		669038	3548341*	668	440		
Average Depth to Water:															--
Minimum Depth:															--
Maximum Depth:															--

Record Count: 2

UTM NAD83 Radius Search (in meters):

Easting (X): 668901.68

Northing (Y): 3548995.52

Radius: 804.67

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.


6/28/21 11:35 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00058 POD1	3	3	3	06	26S	37E	669025	3549145* 

x

Driller License:**Driller Company:****Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:** 12/03/1953**PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:****Depth Well:****Depth Water:**

x

***UTM location was derived from PLSS - see Help**

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/28/21 11:51 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Transaction Summary

DCL Declaration of a Water Right

Transaction Number: 590599

Transaction Desc: CP 00058

File Date: 12/03/1953




Primary Status: DCL Declared

Secondary Status: LOG Well Log Received

Person Assigned: *****

Applicant: EL PASO NATURAL GAS COMPANY

Events

	Date	Type	Description	Comment	Processed By
 get images	12/03/1953	APP	Application Received	*	*****
	12/03/1953	FTN	Finalize non-published Trans.		*****
 get images	12/03/1953	LOG	Well Log Received	*	*****
	01/01/1994	CN5	Meter Installation Request		*****
 get images	07/19/2016	TEC	Technical Report	*FILE JACKET	*****
	08/25/2016	QAT	Quality Assurance Completed	SQ2	*****
	08/26/2016	QAT	Quality Assurance Completed	IMAGE	*****
	05/24/2017	QAT	Quality Assurance Completed	IMAGE INSERTS	*****

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
CP 00058	0	0		PPP PETROLEUM PROCESSING PLANT

**Point of Diversion

CP 00058 POD1 669025 3549145* 

An () after northing value indicates UTM location was derived from PLSS - see Help

**Place of Use

Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	Consumptive	Use	Priority	Status	Other	Loc	Desc
256	64	16	4				0	0		PPP	09/27/1965	DCL		NO PLACE OF	USE GIVEN

Remarks

MISCELLANEOUS FILE #13-16 HAS BEEN RENUMBERED TO OSE FILE # CP-00058.

ABTRACTOR'S NOTE : METER CONDITION 5B WAS ADDED TO THIS TRANSACTION PER STATE ENGINEER ADOPTED GROUNDWATER REGULATION 1-18. SEE STATE ENGINEER ORDER DATED 02/09/1993.

ABSTRACTOR'S NOTE: THE DECLARATION IS IN GPM AND HAS NOT BEEN VALIDATED.

Conditions

Received by OCD: 7/6/2021 12:22:44 PM

Page 24 of 61

A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor on or before the 10th of Jan., April, July, and Oct. of each year for the 3 preceding calendar months.

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/28/21 11:45 AM

TRANSACTION SUMMARY

(This form is to be executed in triplicate)

RECEIVED
SEP 1 1954
PM
1 2 3 4 5 6

WELL RECORD

Date of Receipt December 3, 1953 Permit No. Misc. 2-L-16 / CP-58
590899

Name of permittee, El Paso Natural Gas Company
Street or P. O. Box 1384, City and State Jal, New Mexico

1. Well location and description: The shallow well is located in SW 1/4, SW 1/4,
(shallow or artesian)
SW 1/4 of Section 6, Township 26S, Range 37E; Elevation of top of
casing above sea level, Approx. 2960 feet; diameter of hole, inches; total depth, feet;
depth to water upon completion, feet; drilling was commenced, 19, and completed, 19; name of drilling contractor
; Address, ; Driller's License No.

2. Principal Water-bearing Strata:

No.	Depth in Feet		Thickness	Description of Water-bearing Formation
	From	To		
No. 1	No records on this old well.			
No. 2				
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner Top	Bottom	Feet of Casing	Type of Shoe	Perforation From	To

4. If above construction replaces old well to be abandoned, give location: 1/4, 1/4, 1/4
of Section, Township, Range; name and address of plugging contractor,
date of plugging, 19; describe how well was plugged:

FILED
MAR 12 1954
OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

STATE ENGINEER-Santa Fe, N. M.
RECEIVED
DEC 3 1953
PM
1 2 3 4 5 6

MADE IN U.S.A.

.....
Licensed Well Driller

Instructions

Released to Imaging: 7/21/2021 8:54:26 AM




New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00054 POD1	3	3	1	07	26S	37E	669038	3548341* 

x

Driller License:**Driller Company:****Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:** 11/17/1953**PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 10.75**Depth Well:** 440 feet**Depth Water:**

x

Water Bearing Stratifications:**Top Bottom Description**

222 251 Sandstone/Gravel/Conglomerate

351 372 Sandstone/Gravel/Conglomerate

375 381 Sandstone/Gravel/Conglomerate

400 440 Sandstone/Gravel/Conglomerate

x

Casing Perforations:**Top Bottom**

103 236

278 299

340 360

381 440

x

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/28/21 11:35 AM

POINT OF DIVERSION SUMMARY

Jal Plan #1 Well #3 (Bennett)

FIELD ENGR. LOG

(This form is to be executed in triplicate)

WELL RECORD

CP-54
590344

Date of Receipt November 17, 1953. Permit No. Misc.219

Name of permittee, El Paso Natural Gas Company Jal #1 Well #3

Street or P. O. Box 1384, City and State Jal, New Mexico

1. Well location and description: The shallow well is located in SW 1/4, SW 1/4, NW 1/4 of Section 7, Township 26S, Range 37E; Elevation of top of casing above sea level, Approx. 2950.15 feet; diameter of hole, inches; total depth, 440 feet; depth to water upon completion, feet; drilling was commenced, 19, and completed, 19; name of drilling contractor; Address; Driller's License No.

2. Principal Water-bearing Strata:

	Depth in Feet		Thickness	Description of Water-bearing Formation
	From	To		
No. 1	222'	251'		Water sand
No. 2	351'	372'		Water sand
No. 3	375'	381'		Soft sand
No. 4	400'	440'		Water sand
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner Top	Bottom	Feet of Casing	Type of Shoe	Perforation From	To
13"			0	123'	123'			
10 3/4"			0	440'	440'		102' 9"	235' 5"
							277' 8"	298' 9"
							340' 2"	359' 7"
							380' 10"	440'

4. If above construction replaces old well to be abandoned, give location: 1/4, 1/4, 1/4 of Section, Township, Range; name and address of plugging contractor, date of plugging, 19; describe how well was plugged:

FILED
NOV 20 1953
OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

STATE ENGINEER Santa Fe, N. M.
RECEIVED
NOV 17 1953
AM PM
7 8 9 10 11 12 1 2 3 4 5 6

5. Log of Well:

Depth in Feet		Thickness in feet	Description of Formation
From	To		
0	20		Caliche
20	25		Clay, sand
25	63		Sandy clay
63	70		Gravel
70	90		Sandy clay
80	98		Sand
98	114		Sand rock
114	124		Red clay (ran 114' of 13" casing, at TD lowered to 123')
124	134		Shale
134	140		Sand
140	145		Sandy shale
145	158		Gray sand rick
158	163		Sandy shale
163	166		Sand and shells
166	175		Sand
175	180		Hard shale
180	205		Hard sand rock
205	209		Soft sand
209	222		Hard sand
222	251		Water sand
251	321		Sand, fairly hard
321	327		Gumbo
327	336		Sand
336	341		Hard sand rock
341	344		Gumbo
344	351		Red beds
351	372		Water sand
372	375		Hard sand
375	381		Soft sand
381	396		Red beds, sand
396	400		Hard sand
400	442		Water sand
442	447		Shale, total depth
447			Corrected total depth

LS Elev

Depth to K

Elev of K

Trc

Trc

Loc. No.

Hydro. Survey

Field Check

26.37.7.13211

X

X

SOURCE OF ALTITUDE GIVEN

Interpolated from Topo Sheet

Determined by Inst. Leveling

Other

2949.8

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Licensed Well Driller

Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00486 POD1	2	1	07	26S	37E	669537	3548851*	

x

Driller License: 122**Driller Company:** UNKNOWN**Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:****PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 8.00**Depth Well:** 500 feet**Depth Water:**

x

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/28/21 11:35 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Transaction Summary

EXPL Permit To Explore

Transaction Number: 546463

Transaction Desc: CP 00486

File Date: 09/03/1970

Primary Status: PMT Permit

Secondary Status: APR Approved

Person Assigned: *****

Applicant: EL PASO NATURAL GAS COMPANY

x

Events

Date	Type	Description	Comment	Processed By
09/03/1970	APP	Application Received	*	*****
09/11/1970	FTN	Finalize non-published Trans.		*****
12/02/2016	QAT	Quality Assurance Completed	DATA/SQ2	*****
12/07/2016	QAT	Quality Assurance Completed	IMAGE	*****

x

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
CP 00486	0	0		CPS CATHODIC PROTECTION WELL

**Point of Diversion

CP 00486 POD1 669537 3548851*

An () after northing value indicates UTM location was derived from PLSS - see Help

x

Remarks

"A HOLE FOR CATHODIC PROTECTION GROUND BED, CASED WITH 300 FEET OF 8" PLASTIC PIPE FILLED WITH METALLURGICAL COKE BREEZE, AND CONTAINING 20 2" X 60" ANODES. NO DIVERSION OF WATER PROPOSED."

x

Conditions

4 No water shall be appropriated and beneficially used under this permit.

x

Action of the State Engineer

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved

Action Date: 09/11/1970

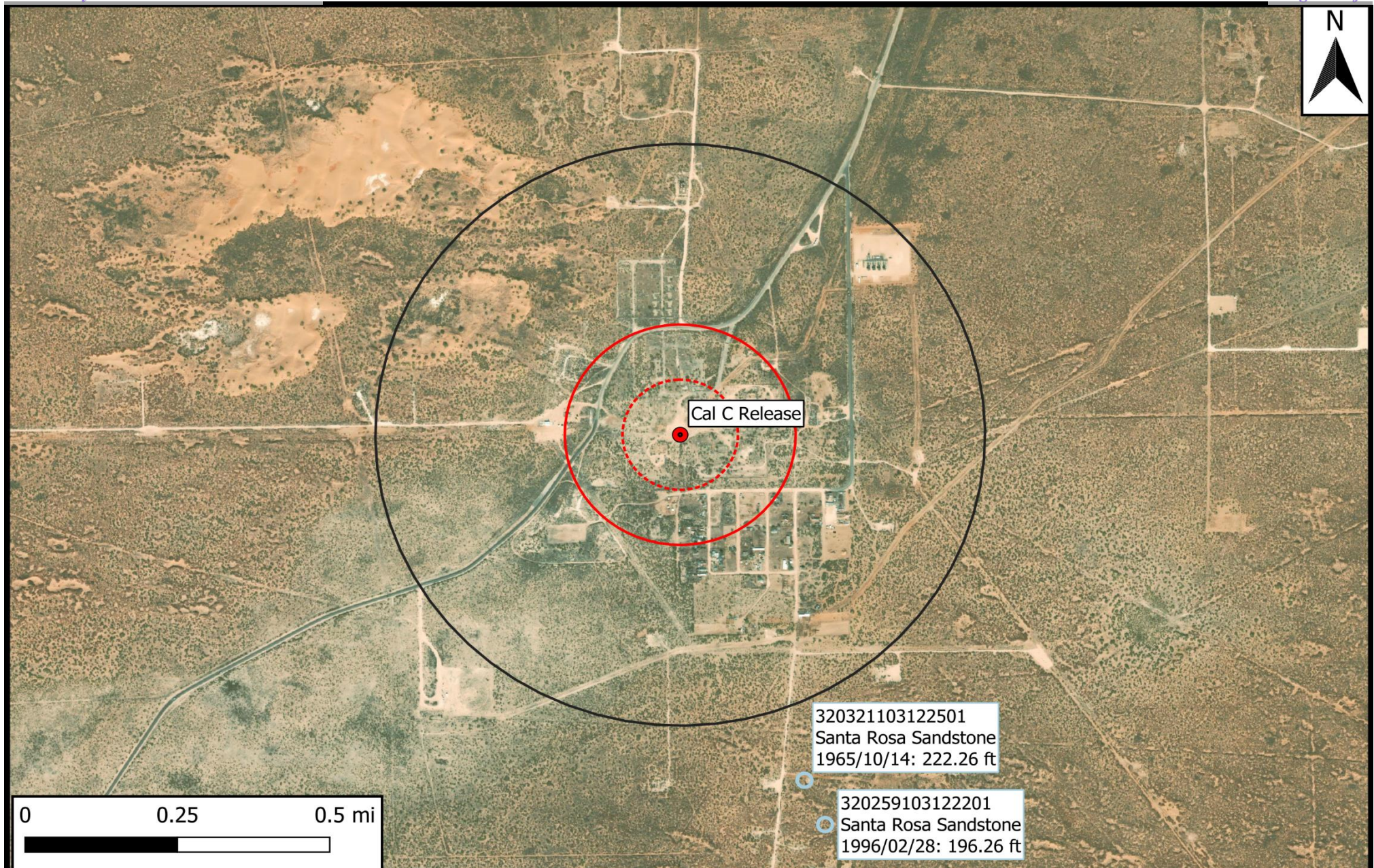
Log Due Date: 09/30/1971

State Engineer:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/29/21 9:06 AM

TRANSACTION SUMMARY



Legend

- Site Location
- Well - USGS
- ⋯ 500 Ft Radius
- ▭ 1000 Ft Radius
- ▭ 0.5 Mi Radius

Figure 5

USGS Well Proximity Map
ETC Texas Pipeline, Ltd.
Cal C Release
GPS: 32.064591, -103.210708
Lea County



Drafted: mag

Checked: jwl

Date: 6/29/21



National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater ▼

Geographic Area:

United States ▼

GO

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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320259103122201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320259103122201 26S.37E.07.314424

Available data for this site

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°03'17", Longitude 103°12'23" NAD27

Land-surface elevation 2,956.40 feet above NGVD29

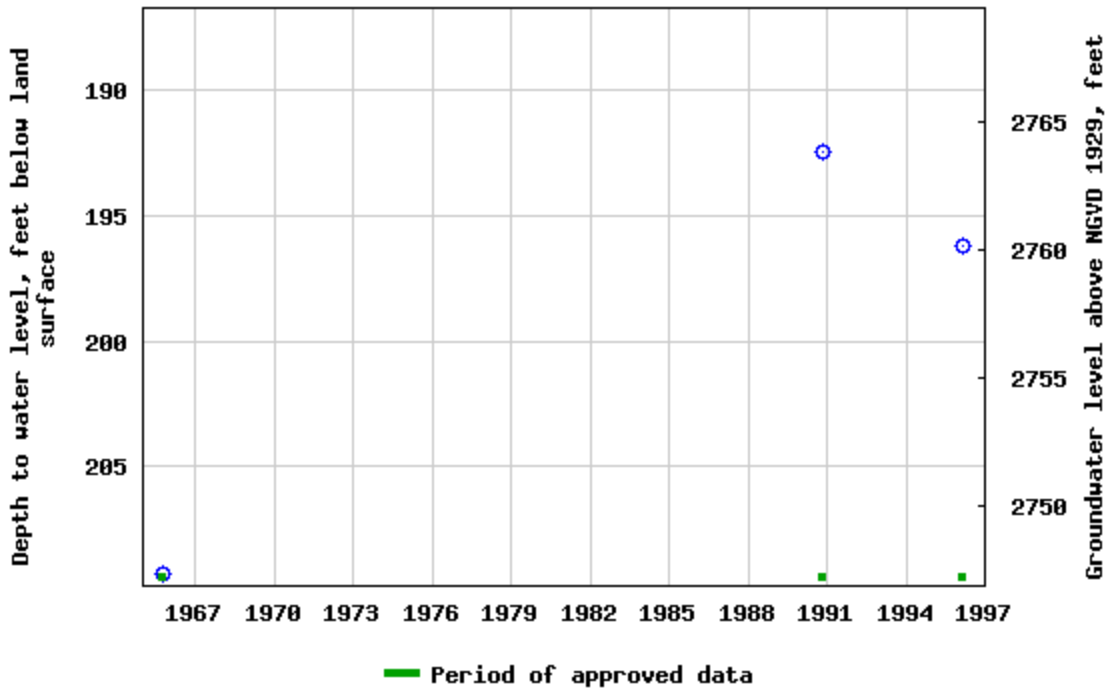
The depth of the well is 470 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.
[Download a presentation-quality graph](#)

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-06-28 13:28:41 EDT

0.63 0.52 nadww01



National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

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Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320321103122501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320321103122501 26S.37E.07.332141

Available data for this site

Groundwater: Field measurements



GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°03'21", Longitude 103°12'25" NAD27

Land-surface elevation 2,961 feet above NAVD88

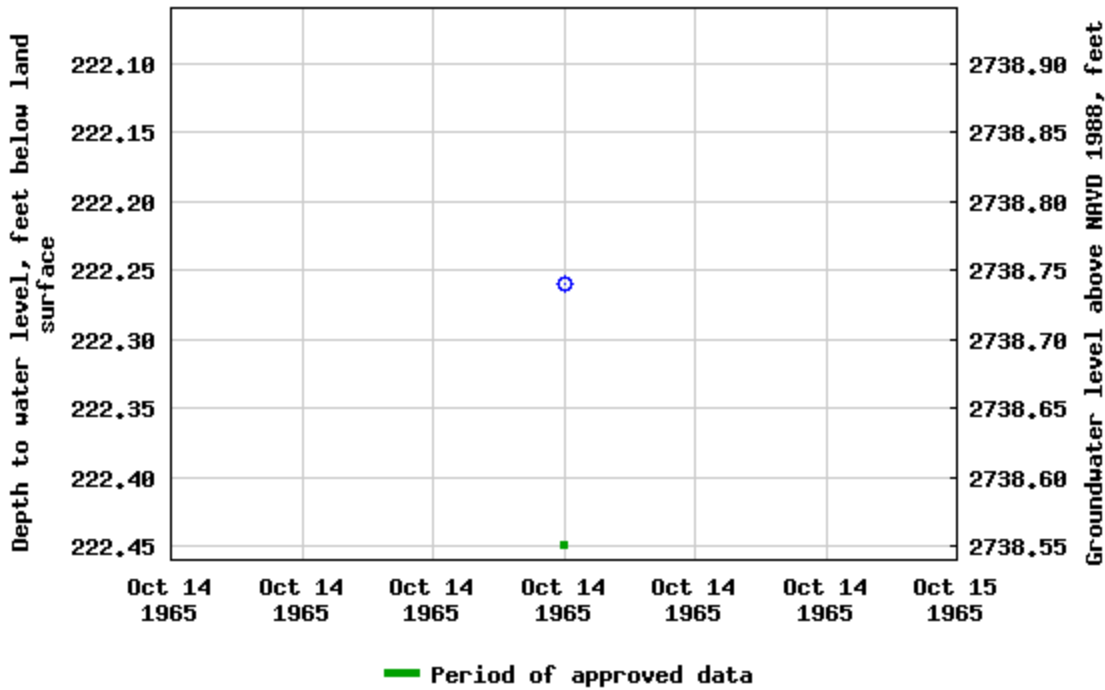
The depth of the well is 470 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2021-06-28 13:28:42 EDT
0.68 0.62 nadww01

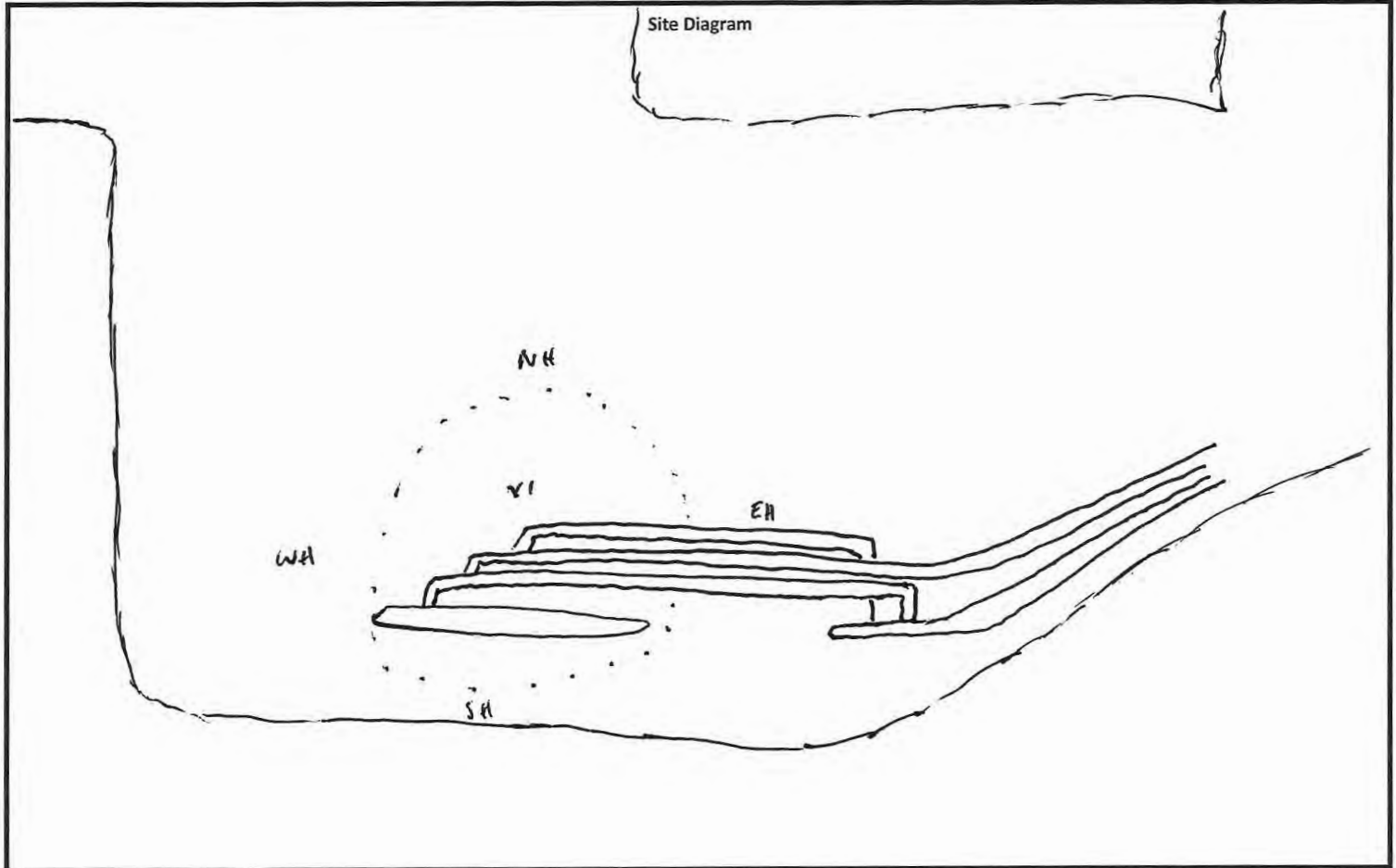
Appendix B

Field Data and Soil Profile Logs



Initial Release Assessment Form

Project: Cal C Release Date: _____
 Clean Up Level: 0
 Project Number: 14341 Latitude: 32.064591 Longitude: -103.210708



Notes:

Hard to see stain
 smells of TPH/BTEX

~Length: 40 ~Width: 40 ~Area: 1,500 ~Depth: 1 ft

Yes No

3-4 Representative Pictures of the Affected Area including sample locations?

☒

☐

Necessary Samples Field Screened and on Ice?

☒

☐

Sample and Field Screen Data Entered on Sample Log?

☒

☐

Was horizontal and vertical delineation achieved?

☒

☐



Date: 6/22/21

Project Number: 14341 Latitude: 32.064591 Longitude: -103.210708

GPS Sample Points, Center of Comp Areas



Soil Profile

Date: 6/22/21

Project: Cal C Release

Project Number: 14341 Latitude: 32.064591 Longitude: -103.210708

Depth (ft. bgs)

Description

1	Caliche	Hard to see stain
2		
3		
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Appendix C

Laboratory Analytical Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 25, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: CAL - C RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/22/21 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: NH @ SURFACE (H211618-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	1.98	99.1	2.00	5.28	
Toluene*	<0.050	0.050	06/23/2021	ND	2.03	101	2.00	7.44	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.94	97.1	2.00	7.58	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.85	97.5	6.00	7.72	
Total BTX	<0.300	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: NH @ 1' (H211618-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	1.98	99.1	2.00	5.28		
Toluene*	<0.050	0.050	06/23/2021	ND	2.03	101	2.00	7.44		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.94	97.1	2.00	7.58		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.85	97.5	6.00	7.72		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: EH @ SURFACE (H211618-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

Cardinal Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: EH @ 1' (H211618-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23	
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76	
Total BTX	<0.300	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: SH @ SURFACE (H211618-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: SH @ 1' (H211618-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23	
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76	
Total BTX	<0.300	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Analytical Results For:

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Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: WH @ SURFACE (H211618-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: WH @ 1' (H211618-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 P.O. Box 301
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 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: V1 @ SURFACE (H211618-09)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23	
Toluene*	0.425	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09	
Ethylbenzene*	0.559	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08	
Total Xylenes*	6.68	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76	
Total BTEX	7.66	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 239 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/23/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	232	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	602	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	37.7	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 129 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: V1 @ 2' (H211618-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 118 % 38.9-142

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Analytical Results For:

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Received:	06/22/2021	Sampling Date:	06/22/2021
Reported:	06/25/2021	Sampling Type:	Soil
Project Name:	CAL - C RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14341	Sample Received By:	Jodi Henson
Project Location:	ETC - RURAL LEA COUNTY, NM		

Sample ID: V1 @ 4' (H211618-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/23/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager






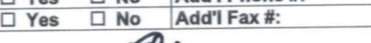
CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: E Tech Environmental & safety		Project Manager: Joel Lowry		Address: 3100 Plains Hwy		City: Lovington		State: NM		Zip: 88260		Phone #: 575-346-2378		Fax #: -		Project #: 14341		Project Owner: ETC		Project Name: Cal C Release		Project Location: Rural Lea County, NM		Sampler Name: Miguel Ramirez											
BILL TO														ANALYSIS REQUEST																					
P.O. #:																																			
Company: ETC																																			
Attn:																																			
Address:																																			
City:																																			
State: Zip:																																			
Phone #:																																			
Fax #:																																			
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING		Chlorides		BTEX		TPH															
												</																							

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Relinquished By: 		Date: 6/22/12 Time: 14:15		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.6 th C / #113		Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: 		REMARKS: Email: 	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

2092

Company Name: <u>ETech Environmental + safety</u>				BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Joel Lowry</u>				P.O. #:																							
Address: <u>3100 Plains Hwy</u>				Company: <u>ETC</u>																							
City: <u>Livingston</u> State: <u>NM</u> Zip: <u>88260</u>				Attn:																							
Phone #: <u>575-396-2328</u> Fax #: <u>-</u>				Address:																							
Project #: <u>14341</u> Project Owner: <u>ETC</u>				City:																							
Project Name: <u>Carl C Release</u>				State: Zip:																							
Project Location: <u>Rural Lea County, NM</u>				Phone #:																							
Sampler Name: <u>Miguel Ramirez</u>				Fax #:																							
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
		<u>H211618</u>		<u>VI @ 4'</u>		<u>91</u>		<u>X</u>				<u>X</u>		<u>6/22/21</u>		<div style="display: flex; justify-content: space-between;"> Chlorides BTEX TPH </div>											

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Relinquished By: <u>[Signature]</u>		Date: <u>6/22/21</u>		Received By: <u>Jodi Benson</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: <u>16:15</u>		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Time:				REMARKS:			
						Email <u>PM@etechenv.com</u>			
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: <u>4.6 gal #113</u>				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>[Signature]</u>			

Appendix D

Photographic Log


Photographic Log

Photo Number: 1	 <div data-bbox="1157 197 1463 268"><p>June 12, 2021 32.064632, -103.210769</p></div>
Photo Direction: South	
Photo Description: Initial release area.	

Photo Number: 2	 <div data-bbox="1157 1081 1463 1152"><p>June 12, 2021 32.064561, -103.210776</p></div>
Photo Direction: East	
Photo Description: Initial release area.	


Photographic Log

Photo Number: 3	 <p>June 12, 2021 32.064561, -103.210776</p>
Photo Direction: East	
Photo Description: Initial release area.	

Photo Number: 4	 <p>June 12, 2021 32.064561, -103.210776</p>
Photo Direction: West	
Photo Description: Initial release area.	

Photographic Log

Photo Number: 5	
Photo Direction: N/A	
Photo Description: Cathodic protection well.	

Photo Number: 6	
Photo Direction: N/A	
Photo Description: Cathodic protection well electrical panel.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 34974

CONDITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 34974
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/21/2021