

Remediation Summary & Soil Closure Request

XTO Energy, Inc. Poker Lake Unit 22 DTD

Eddy County, New Mexico
Unit Letter "B", Section 22, Township 24 South, Range 30 East
Latitude 32.208363 North, Longitude 103.867791 West
NMOCD Reference No. nAPP2405961992

Prepared By:

Etech Environmental & Safety Solutions, Inc.

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Matthew Grieco



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Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of XTO Energy, Inc., has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Poker Lake Unit 22 DTD (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude:32.208363Longitude:-103.867791

Provided GPS are in WGS84 format.

Site Name:Poker Lake Unit 22 DTD

Site Type:Pipeline

Date Release Discovered:2/14/2024

API # (if applicable):N/A

Unit Letter	Section	Township	Range	County
"B"	22	24S	30E	Eddy

Surface Owner:

☐ State
☒ Federal
☐ Tribal
☐ Private

(Name
)

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)59	Volume Recovered (bbls)0
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input checked="" 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 type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

Fluid released from surface poly water transfer line.

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 New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	NMOSE iWaters Database
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	1,000 (ft.) to ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	½ to 1 (mi.)
An occupied permanent residence, school, hospital, institution or church?	> 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	½ to 1 (mi.)
Any other fresh water well or spring?	½ to 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	½ to 1 (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	1,000 (ft.) to ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	½ to 1 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Searches of databases maintained by the NMOCD, New Mexico Office of the State Engineer (NMOSE), and United States Geological Survey (USGS) were 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.

Additional 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 in 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 Standards*‡
Between 100 and 500 (ft.) 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)

** Environmental Protection Agency

† 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 REMEDIATION ACTIVITIES SUMMARY

On August 21, 2024, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a Hach Quantab® chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the floor and sidewalls of the excavated area to be submitted for laboratory analysis.

On August 26, 2024, Etech collected 12 confirmation soil samples (FL 1 @ 10', FL 2 @ 10', FL 3 @ 10', FL 5 @ 10' through FL 10 @ 10', EW 1, NW 1, and SW 1) from the floor and sidewalls of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory method detection limit (MDL). Chloride concentrations ranged from less than the laboratory MDL in soil samples FL 8 @ 10' and FL 9 @ 10' to 80.0 mg/kg in soil sample NW 1.

On August 28, 2024, Etech collected one (1) confirmation soil sample (FL 4 @ 10') from the floor of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. BTEX and TPH concentrations were also less than the applicable laboratory MDL. The chloride concentration was 32.0 mg/kg.

On August 29, 2024, Etech collected 14 confirmation soil samples (FL 11 @ 10' through FL 19 @ 5', NW 2, and SW 2 through SW 5) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample FL 13 @ 9' to 2,800 mg/kg in soil sample FL 19 @ 5'.

On September 5, 2024, Etech collected 10 confirmation soil samples (FL 19 @ 6' through FL 24 @ 5', NW 3, NW 4, NW 5, and WW 1) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil samples FL 20 @ 5' and FL 21 @ 5' to 96.0 mg/kg in soil sample FL 19 @ 6'.

The final dimensions of the excavated area were approximately 247 feet in length, five (5) to 49 feet in width, and five (5) to 10 feet in depth. During the course of remediation activities, Etech transported approximately 2,160 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,488 cubic yards of locally sourced, non-impacted material to the Site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Site and Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the Site are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

On September 6, 2024, in accordance with NMOCD requirements, a 5-point composite soil sample (Topsoil) was collected from the imported material stockpiled on-site to be utilized as backfill. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations in the soil sample were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards and confirmed that the material was acceptable for use as backfill.

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the Site.

6.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends XTO Energy, Inc., provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Site.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced 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 XTO Energy, Inc. Use of the information contained in this report is prohibited without the consent of Etech and/or XTO Energy, Inc.

8.0 DISTRIBUTION

XTO Energy, Inc.
3104 E. Greene St.
Carlsbad, NM 88220

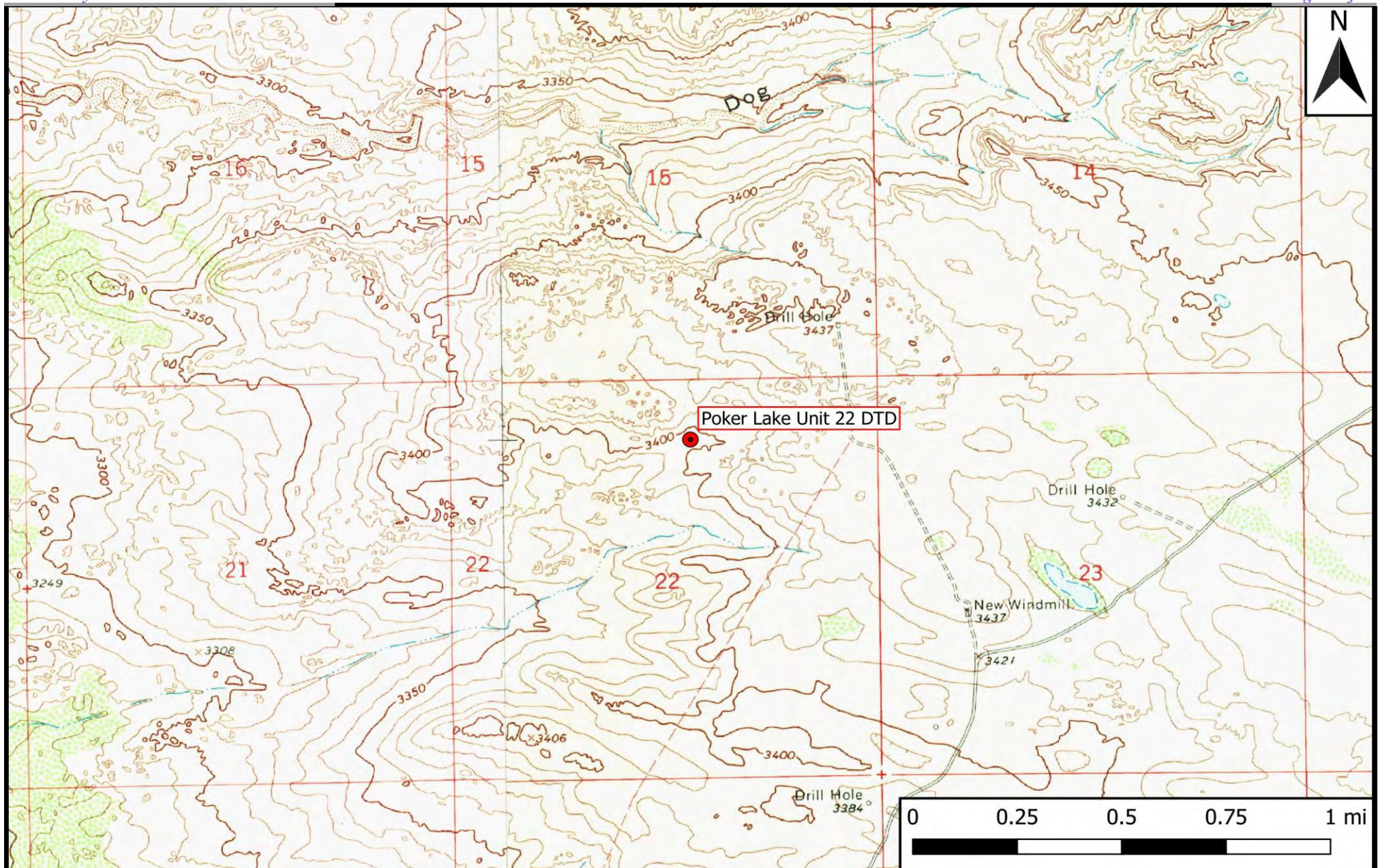
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

United States Department of the Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Topographic Map

**Legend**

● Site Location

Figure 1

Topographic Map
XTO Energy, Inc.
Poker Lake Unit 22 DTD
GPS: 32.208363, -103.867791
Eddy County

eTECH*Environmental & Safety Solutions, Inc.*

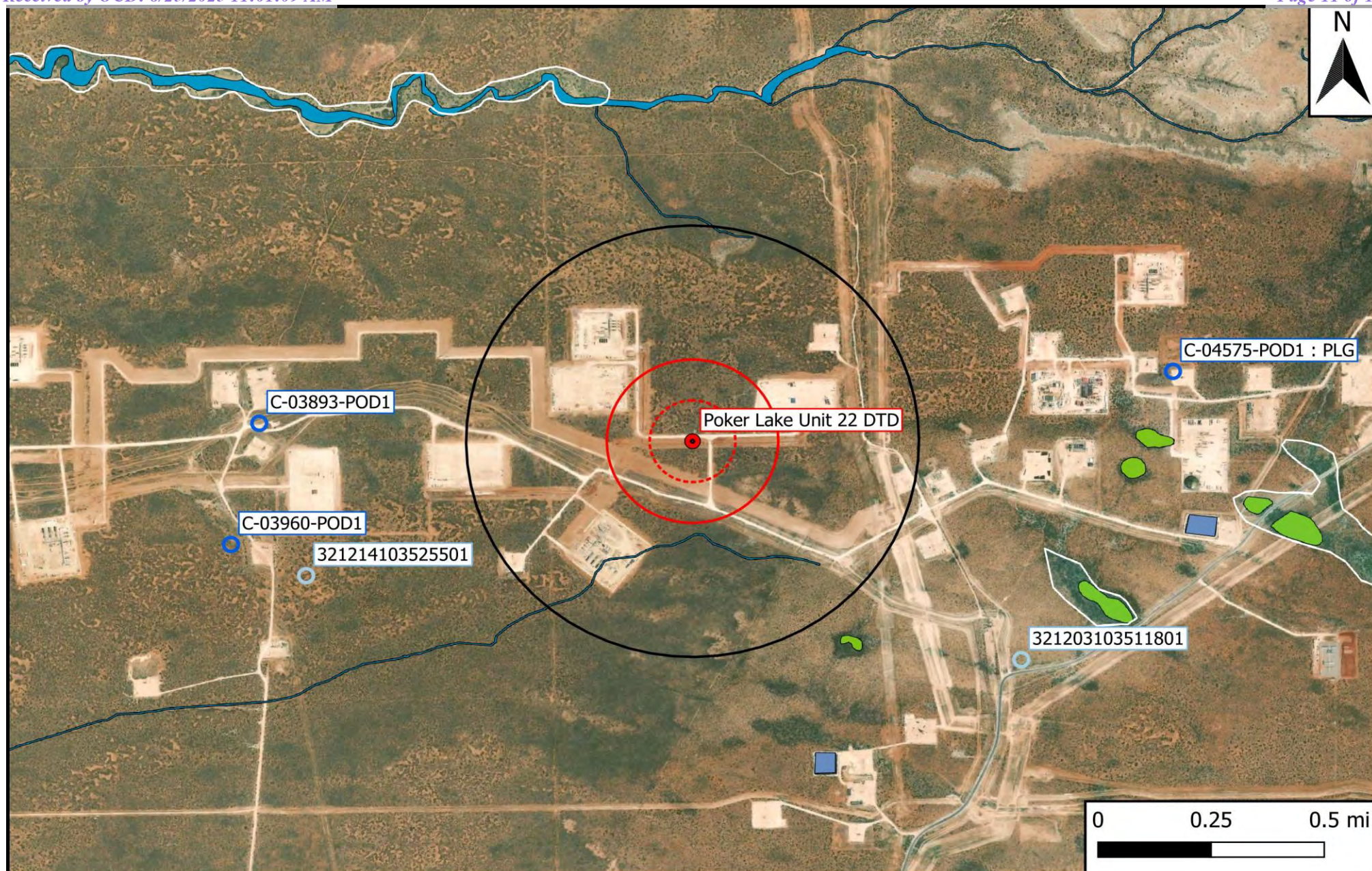
Drafted: mag

Checked: jwl

Date: 8/15/24

Figure 2

Aerial Proximity Map



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

Figure 2
Aerial Proximity Map
XTO Energy, Inc.
Poker Lake Unit 22 DTD
GPS: 32.208363, -103.867791
Eddy County

eTECH
Environmental & Safety Solutions, Inc.

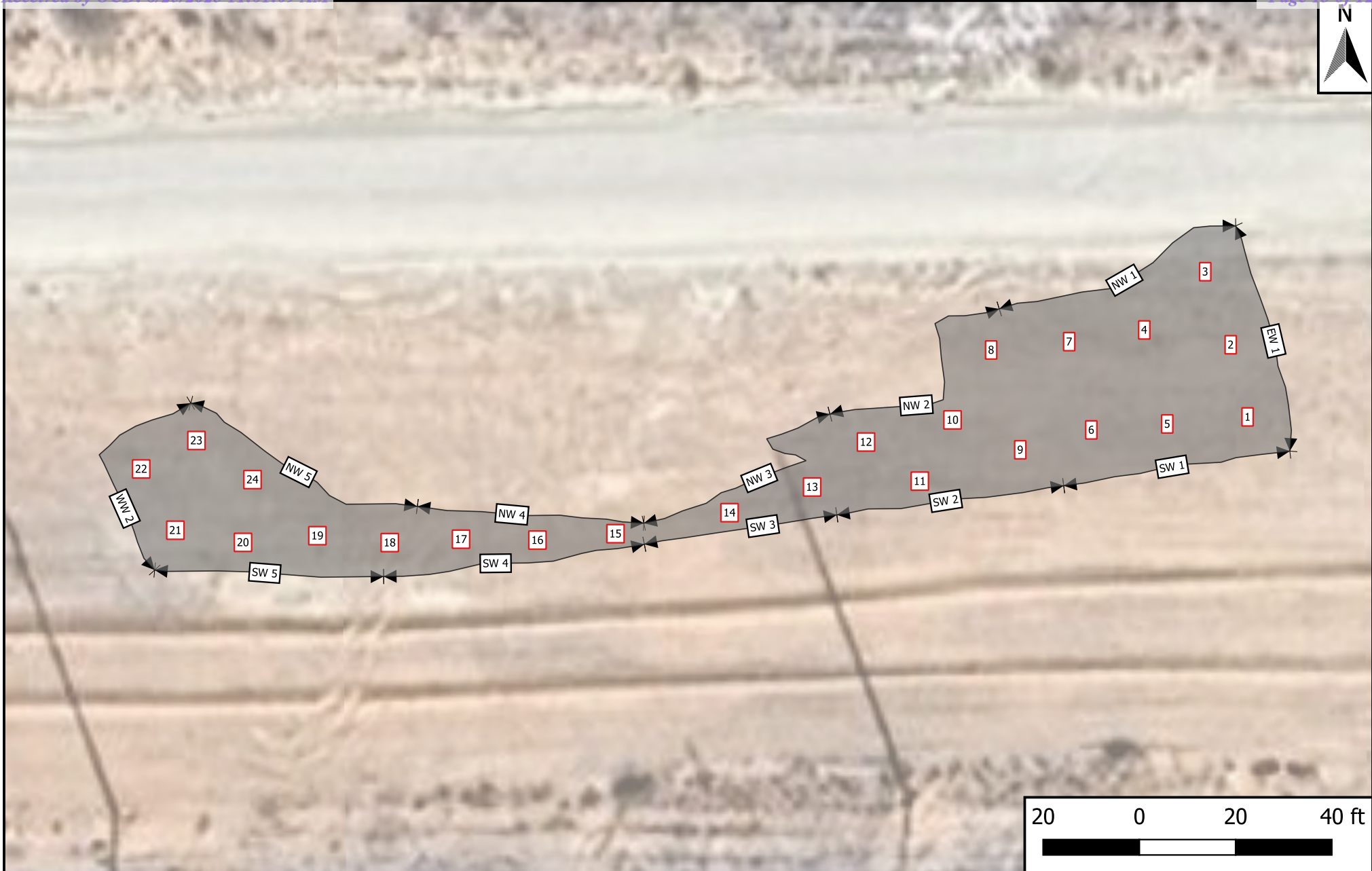
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Checked: jwl

Date: 8/15/24

Figure 3

Site and Sample Location Map

**Legend**

- Excavated Area (5,715 ft²)
- Composite Floor Sample
- Composite Wall Sample

Figure 3
 Site and Sample Location Map
 XTO Energy, Inc.
 Poker Lake Unit 22 DTD
 GPS: 32.208363, -103.867791
 Eddy County



Drafted: bja

Checked: rlc

Date: 9/23/24

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

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
XTO Energy, Inc.
Poker Lake Unit 22 DTD
NMOCD Ref. #: NAPP2405961992

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)
FL 1 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 2 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 3 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 4 @ 10'	8/28/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 5 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 6 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 7 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 8 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 9 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 10 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 11 @ 10'	8/29/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 12 @ 10'	8/29/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 13 @ 9'	8/29/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 14 @ 9'	8/29/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 15 @ 8'	8/29/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 16 @ 7'	8/29/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 17 @ 6'	8/29/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 18 @ 9'	8/29/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 19 @ 5'	8/29/2024	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 19 @ 6'	9/5/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 20 @ 5'	9/5/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 21 @ 5'	9/5/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 22 @ 5'	9/5/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 23 @ 5'	9/5/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 24 @ 5'	9/5/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 1	8/26/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 1	8/26/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 2	8/29/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 3	9/5/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 4	9/5/2024	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 5	9/5/2024	0-9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 1	8/26/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 2	8/29/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 3	8/29/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 4	8/29/2024	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 5	8/29/2024	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 1	9/5/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
TOPSOIL	9/6/2024	N/A	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0

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

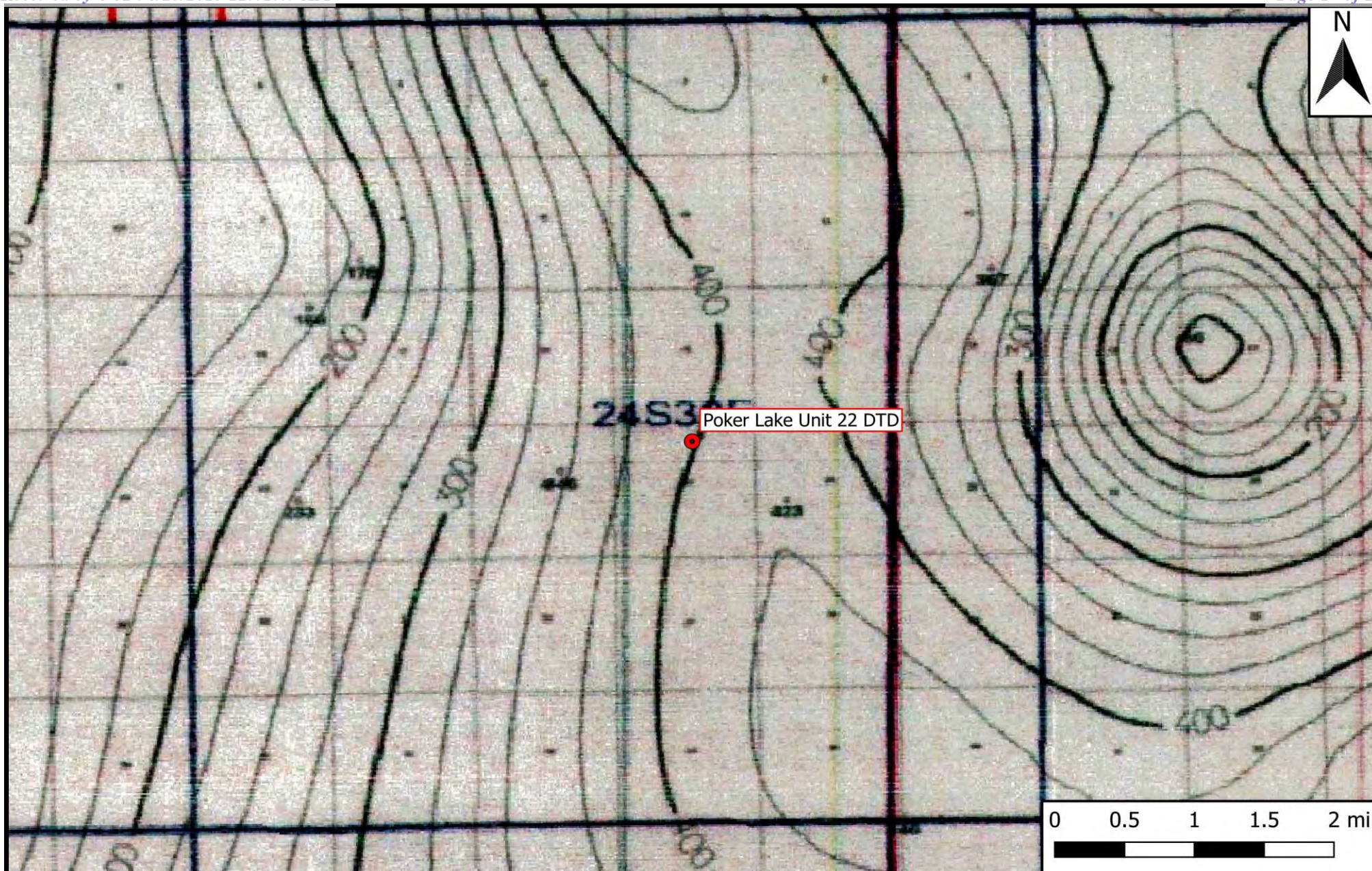
Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
XTO Energy, Inc.
Poker Lake Unit 22 DTD
GPS: 32.208363, -103.867791
Eddy County

eTECH

Environmental & Safety Solutions, Inc.



Drafted: mag


Checked: jwl

Date: 8/15/24

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04575 POD1	NW	NW	NE	23	24S	30E	608411.9	3564355.7	

* UTM location was derived from PLSS - see Help

Driller License:	1249	Driller Company:	ATKINS ENGINEERING ASSOC. INC.		
Driller Name:	ATKINS, JACKIE D.UELENER				
Drill Start Date:	2022-01-04	Drill Finish Date:	2022-01-04	Plug Date:	2022-01-21
Log File Date:	2022-01-24	PCW Rcv Date:		Source:	
Pump Type:		Pipe Discharge Size:		Estimated Yield:	0
Casing Size:	0.00	Depth Well:	105	Depth Water:	

Casing Perforations:

Top	Bottom
0	105

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.



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4575 POD1 (BH-01)

QSE DTI JAN 24 2022 PM3:00

Well owner: XTO Energy (Kyle Littrell)

Phone No.: _____

Mailing address: 6401 Holiday Hill Dr.

City: Midland State: Texas Zip code: 79707

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Lupe Leyba
- 4) Date well plugging began: 1/21/2022 Date well plugging concluded: 1/21/2022
- 5) GPS Well Location: Latitude: 32 deg, 12 min, 38.03 sec
Longitude: 103 deg, 50 min, 58.70 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105.25 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 10/06/2021
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DIT JAN 24 2022 PM3:01

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 18 gallons	18 gallons	Augers	
10'-105'	Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

1/21/2021

Date

2022-1-21_WD-11 Plugging Record-forsign

QSE DJT JAN 24 2022 PM 3:01

Final Audit Report

2022-01-22

Created:	2022-01-21
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAawLEIDZ6uaOyQ8xKgMZejpJRIkHUPpOml

"2022-1-21_WD-11 Plugging Record-forsign" History



Document created by Lucas Middleton (lucas@atkinseng.com)

2022-01-21 - 10:48:32 PM GMT- IP address: 69.21.248.123



Document emailed to Jack Atkins (jack@atkinseng.com) for signature

2022-01-21 - 10:49:05 PM GMT



Email viewed by Jack Atkins (jack@atkinseng.com)

2022-01-22 - 0:16:35 AM GMT- IP address: 64.90.153.232



Document e-signed by Jack Atkins (jack@atkinseng.com)

Signature Date: 2022-01-22 - 0:17:17 AM GMT - Time Source: server- IP address: 64.90.153.232



Agreement completed.

2022-01-22 - 0:17:17 AM GMT




Adobe Sign

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 Nbr	Q64	Q16	Q4	Sec	TwS	Rng	X	Y	Map
	C 03960 POD1	NW	SW	NE	21	24S	30E	605061.9	3563712.7	

* UTM location was derived from PLSS - see Help

Driller License:	1753	Driller Company:	VANGUARD WELL RESOURCES, LLC		
Driller Name:	JACOBO FRIESSEN				
Drill Start Date:	2016-11-12	Drill Finish Date:	2016-11-12	Plug Date:	
Log File Date:	2016-11-17	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	6.00	Depth Well:	475	Depth Water:	250

Water Bearing Stratifications:

Top	Bottom	Description
182	250	Sandstone/Gravel/Conglomerate
402	460	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
250	290
395	435

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8/15/24 10:35 AM MST

Point of Diversion Summary

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER)				OSE FILE NUMBER(S)			
	1				C-3960			
	WELL OWNER NAME(S)				PHONE (OPTIONAL)			
	BUREAU OF LAND MANAGEMENT							
	WELL OWNER MAILING ADDRESS				CITY STATE ZIP			
620 E. GREENE STREET				CARLSBAD NM 88220				
WELL LOCATION (FROM GPS)	DEGREES		MINUTES		SECONDS		• ACCURACY REQUIRED: ONE TENTH OF A SECOND • DATUM REQUIRED: WGS 84	
	LATITUDE		12		519 31.14 N			
	LONGITUDE		53		511 30.26 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
SECTION 21 TOWNSHIP 24 S. RANGE 30 S.								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER		NAME OF LICENSED DRILLER			NAME OF WELL DRILLING COMPANY		
	WD-1753		JACOBO FRIESEN			VANGUARD WATER WELLS		
	DRILLING STARTED		DRILLING ENDED		DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT)	
	11-12-16		11-12-16		475		475	
	DEPTH WATER FIRST ENCOUNTERED (FT)		250					
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT)	
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:						201 NOV 17	
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
0	250	11	STEEL BLANK	THREAD	6	.322		
250	290	11	STEEL SCREEN	THREAD	6	.25	.030	
290	395	11	STEEL BLANK	THREAD	6	.322		
395	435	11	STEEL SCREEN	THREAD	6	.25	.030	
435	475	11	STEEL BLANK	THREAD	6	.322		
3. ANNULAR MATERIAL		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT			
FROM	TO							
0	20	11	CONCRETE	9	POURED			
20	220	11	3/8 GRAVEL	93	POURED			
220	310	11	SILCA SAND	41	POURED			
310	370	11	3/8 GRAVEL	28	POURED			
370	475	11	SILCA SAND	48	POURED			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 10/29/15)

FILE NUMBER	C-3960	POD NUMBER	1	TRN NUMBER	588952
LOCATION	24.30.21.23				PAGE 1 OF 2


STATE OF NEW JERSEY
ROSWELL, NEW MEXICO
2016 NOV 17 PM 3:53

PAGE 2 OF 2

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 03893 POD1	NW	NW	NE	21	24S	30E	605162.5	3564162.8	

* UTM location was derived from PLSS - see Help

Driller License:	1261	Driller Company:	DARRELL CRASS DRILLING CO., INC
Driller Name:	CRASS, DARRELL		
Drill Start Date:	2015-08-19	Drill Finish Date:	2015-08-26
Log File Date:	2015-09-08	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	8.00	Depth Well:	600

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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) PLU Lease CP Bed				OSE FILE NUMBER(S) C-3893			
	WELL OWNER NAME(S) BOPCO, L.P.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 201 MAIN STREET				CITY FORT WORTH		STATE TX	
					ZIP 76102			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 32.88	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	53	2.88	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE 1/4 OF NW 1/4 OF NW 1/4 OF NE 1/4 OF SECTION 21, TOWNSHIP 24S, RANGE 30E								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1261		NAME OF LICENSED DRILLER R. DARRELL CRASS			NAME OF WELL DRILLING COMPANY DARRELL CRASS DRILLING COMPANY		
	DRILLING STARTED 8/19/15		DRILLING ENDED 8/26/15		DEPTH OF COMPLETED WELL (FT) 600		BORE HOLE DEPTH (FT) 600	
							DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS:		<input type="radio"/> ARTESIAN		<input checked="" type="radio"/> DRY HOLE		<input type="radio"/> SHALLOW (UNCONFINED)	
	DRILLING FLUID:		<input type="radio"/> AIR		<input checked="" type="radio"/> MUD		ADDITIVES - SPECIFY: SUPER GEL X	
	DRILLING METHOD:		<input checked="" type="radio"/> ROTARY		<input type="radio"/> HAMMER		<input type="radio"/> CABLE TOOL	
							OTHER - SPECIFY:	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)		CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE	
	FROM	TO						
	0	40	8"		SCH 40 PVC BLANK		GLUE, SCREWS	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)		LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	
	FROM	TO						
	10	425	8"		BENTONITE HOLE PLUG		145 CUBIC FEET	
	0	10	8"		PORTLAND CEMENT		7 CUBIC FEET	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

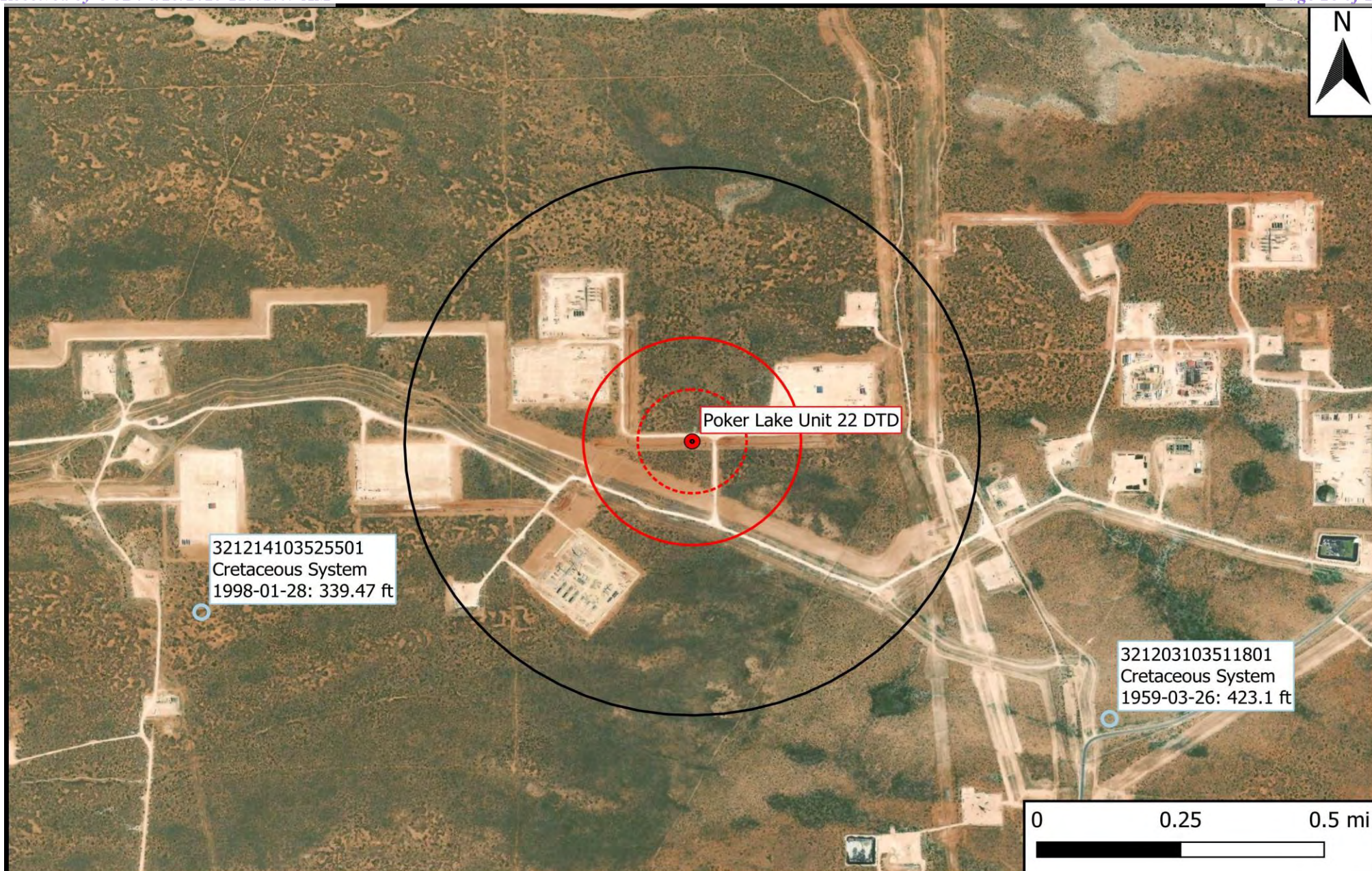
FILE NUMBER	C-3893	POD NUMBER	1	TRN NUMBER	571438
LOCATION	24S-20E-21				

PAGE 1 OF 2

[illegible]

WR-20 WELL RECORD & LOG (Version 06/08/2012)

Released to Imaging: 9/26/2025 2:08:48 PM

**Legend**

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

Figure 5

USGS Well Proximity Map
XTO Energy, Inc.
Poker Lake Unit 22 DTD
GPS: 32.208363, -103.867791
Eddy County

eTECH*Environmental & Safety Solutions, Inc.*

Drafted: mag

Checked: jwl

Date: 8/15/24



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321214103525501

Minimum number of levels = 1

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

USGS 321214103525501 24S.30E.21.23144

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°12'14", Longitude 103°52'55" NAD27

Land-surface elevation 3,371 feet above NAVD88

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

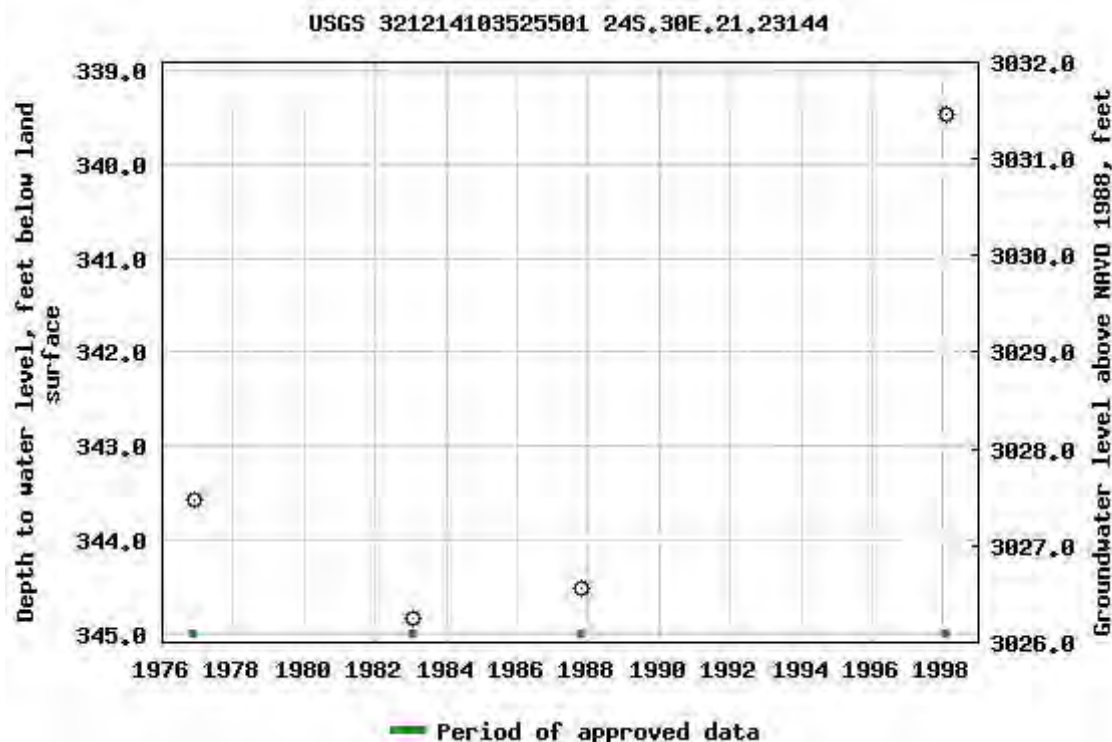
Output formats

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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: 2024-08-15 12:37:40 EDT

0.7 0.5 nadww02



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National Water Information System: Web Interface

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321203103511801

Minimum number of levels = 1

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

USGS 321203103511801 24S.30E.23.3124143

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°12'03", Longitude 103°51'18" NAD27

Land-surface elevation 3,423 feet above NAVD88

The depth of the well is 474 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

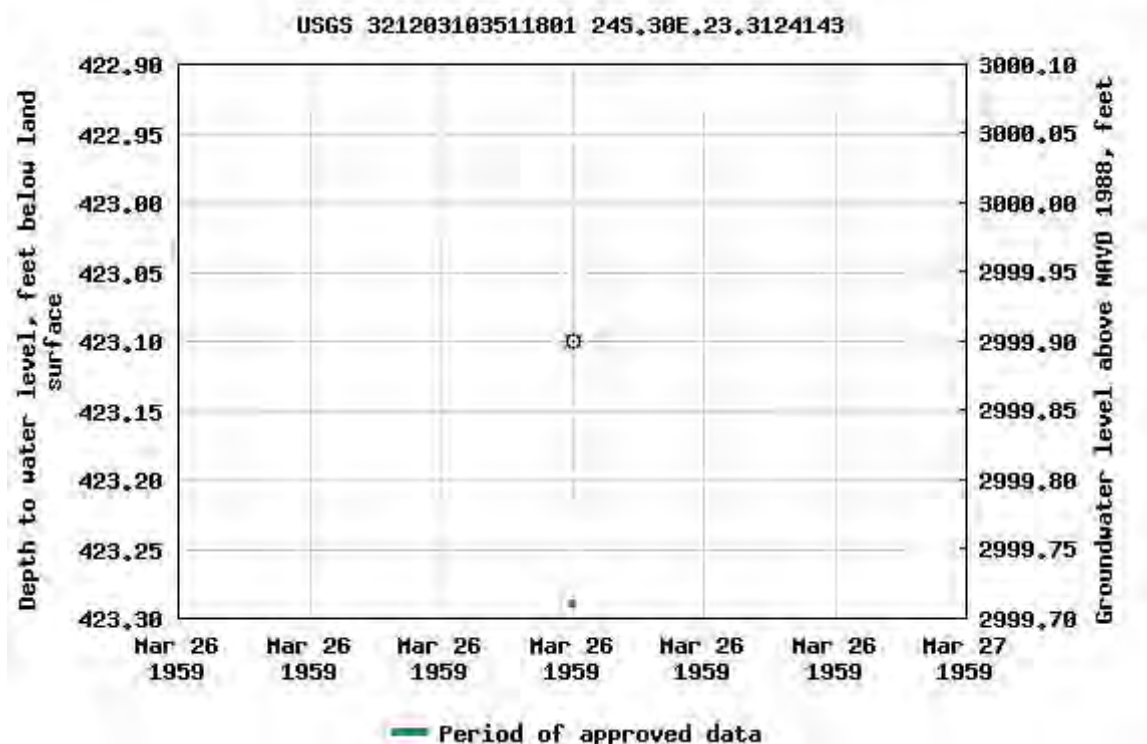
Output formats

[Table of data](#)

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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: 2024-08-15 12:37:39 EDT

0.7 0.49 nadww02



Appendix B

Field Data



Sample Log

Date: _____

Project: Poker Lake Unit 22 DTD

Project Number: 20976 Latitude: 32.208363 Longitude: -103.867791

Sample ID	PID/Odor	Chloride Conc.	GPS
EW-1	-	2544	
EW-1	-	1344	
EW-1	-	684	
EW-1	-	216	
FL-1 @ 1'	-	2544	
FL-2 @ 1'	-	2544	
FL-3 @ 1'	-	1012	
FL-1 @ 2'	-	2400	
FL-2 @ 2'	-	1768	
FL-3 @ 2'	-	744	
FL-1 @ 3'	-	3456	
FL-2 @ 3'	-	1344	
FL-3 @ 3'	-	2544	
FL-1 @ 4'	-	2544	
FL-2 @ 4'	-	2036	
FL-3 @ 4'	-	1344	
TT-1 @ 5'	-	3456	
TT-1 @ 6'	-	3456	
TT-1 @ 7'	-	2544	
TT-1 @ 8'	-	624	
TT-1 @ 9'	-	198	
FL test @ 2'	-	872	
FL test @ 3'	-	1768	
FL test @ 4'	-	4448	
NW-1 ★	-	428	
NW-1	-	140	
FL-1 @ 9'	-	2544	
FL-2 @ 9'	-	2544	
FL-3 @ 9'	-	572	
FL-2 @ 10'	-	408	
FL-1 @ 10'	-	408	
NW test	-	1876	
NW test	-	272	
FL-4 @ 3		ND	
FL-5 @ 8'		2544	
FL-6 @ 8'		2544	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples= SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-7 @ 9'	-	1012	FL-23 @ 5'
FL-5 @ 9'	-	832	FL-24 @ 5'
FL-6 @ 9'	-	744	NW-5
FL-7 @ 9'	-	604	
FL-5 @ 10'	-	ND	
FL-6 @ 10'	-	ND	
FL-7 @ 10'	-	ND	
SW-1	-	328	
FL-8 @ 9'	-	1146	
FL-9 @ 9'	-	1012	
FL-10 @ 9'	-	804	
FL-8 @ 10'	-	384	
FL-9 @ 10'	-	408	
FL-10 @ 10'	-	384	
NW test	-	604	
NW test	-	384	
NW 2	-	ND	
SW 2	-	384	
FL-11 @ 10'	-	ND	
FL-12 @ 10'	-	408	
FL-13 @ 10'	-	348	
FL-14 @ 10'	-	ND	
FL-15 @ 9'	-	ND	
SW 3	-	428	
SW 4	-	520	
SW 5	-	420	
FL-16 @ 8'	-	472	
FL-17 @ 9'	-	384	
FL-18 @ 1'	-	384	
FL-19 @ 5'	-	216	
NW-3	-	428	
FL-19 @ 6'	-	572	
FL-20 @ 5'	-	348	
FL-21 @ 5'	-	384	
NW-4	-	ND	
FL-22 @ 5'	-	438	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C

Laboratory Analytical Reports



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

August 29, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 22 DTD

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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
2617 W MARLAND
HOBBS NM, 88240

Project: POKER LAKE UNIT 22 DTD
Project Number: 20976
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
29-Aug-24 10:17

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EW 1	H245211-01	Soil	26-Aug-24 00:00	27-Aug-24 14:55
SW 1	H245211-02	Soil	26-Aug-24 00:00	27-Aug-24 14:55

08/29/24 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 08/28/24.

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: POKER LAKE UNIT 22 DTD
Project Number: 20976
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
29-Aug-24 10:17

EW 1
H245211-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082850	AC	28-Aug-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4082740	JH	27-Aug-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082746	MS	27-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082746	MS	27-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082746	MS	27-Aug-24	8015B	
Surrogate: 1-Chlorooctane			99.4 %	48.2-134		4082746	MS	27-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1-148		4082746	MS	27-Aug-24	8015B	

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
2617 W MARLAND
HOBBS NM, 88240

Project: POKER LAKE UNIT 22 DTD
Project Number: 20976
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
29-Aug-24 10:17

SW 1**H245211-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4082850	AC	28-Aug-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4082740	JH	27-Aug-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4082740	JH	27-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	4082740	JH	27-Aug-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4082746	MS	27-Aug-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4082746	MS	27-Aug-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4082746	MS	27-Aug-24	8015B	

Surrogate: 1-Chlorooctane	105 %	48.2-134	4082746	MS	27-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane	108 %	49.1-148	4082746	MS	27-Aug-24	8015B	
-------------------------------	-------	----------	---------	----	-----------	-------	--

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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
2617 W MARLAND
HOBBS NM, 88240

Project: POKER LAKE UNIT 22 DTD
Project Number: 20976
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
29-Aug-24 10:17

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4082850 - 1:4 DI Water										
Blank (4082850-BLK1)				Prepared & Analyzed: 28-Aug-24						
Chloride	ND	16.0	mg/kg							
LCS (4082850-BS1)				Prepared & Analyzed: 28-Aug-24						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4082850-BSD1)				Prepared & Analyzed: 28-Aug-24						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: POKER LAKE UNIT 22 DTD
Project Number: 20976
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
29-Aug-24 10:17

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 4082740 - Volatiles**Blank (4082740-BLK1)**

Prepared & Analyzed: 27-Aug-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

LCS (4082740-BS1)

Prepared & Analyzed: 27-Aug-24

Benzene	1.98	0.050	mg/kg	2.00		98.9	82.8-130			
Toluene	2.02	0.050	mg/kg	2.00		101	86-128			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.01	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.16	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	71.5-134			

LCS Dup (4082740-BSD1)

Prepared & Analyzed: 27-Aug-24

Benzene	2.10	0.050	mg/kg	2.00		105	82.8-130	5.95	15.8	
Toluene	2.17	0.050	mg/kg	2.00		109	86-128	7.32	15.9	
Ethylbenzene	2.19	0.050	mg/kg	2.00		110	85.9-128	7.90	16	
m,p-Xylene	4.46	0.100	mg/kg	4.00		111	89-129	7.17	16.2	
o-Xylene	2.18	0.050	mg/kg	2.00		109	86.1-125	7.84	16.7	
Total Xylenes	6.63	0.150	mg/kg	6.00		111	88.2-128	7.39	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0501		mg/kg	0.0500		100	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: POKER LAKE UNIT 22 DTD
Project Number: 20976
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
29-Aug-24 10:17

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4082746 - General Prep - Organics**Blank (4082746-BLK1)**

Prepared & Analyzed: 27-Aug-24

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	51.7		mg/kg	50.0		103	48.2-134		
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	49.1-148		

LCS (4082746-BS1)

Prepared & Analyzed: 27-Aug-24

GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123		
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118		
Total TPH C6-C28	425	10.0	mg/kg	400		106	77.6-123		
Surrogate: 1-Chlorooctane	55.0		mg/kg	50.0		110	48.2-134		
Surrogate: 1-Chlorooctadecane	58.9		mg/kg	50.0		118	49.1-148		

LCS Dup (4082746-BSD1)

Prepared & Analyzed: 27-Aug-24

GRO C6-C10	201	10.0	mg/kg	200		100	66.4-123	3.87	17.7
DRO >C10-C28	204	10.0	mg/kg	200		102	66.5-118	5.63	21
Total TPH C6-C28	405	10.0	mg/kg	400		101	77.6-123	4.76	18.5
Surrogate: 1-Chlorooctane	56.7		mg/kg	50.0		113	48.2-134		
Surrogate: 1-Chlorooctadecane	61.9		mg/kg	50.0		124	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

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

Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO		ANALYSIS REQUEST										
Project Manager: Lance Crenshaw										P.O. #:		Chloride	TPH (8015M)	BTEX (8021B)								
Address: 2617 West Marland										Company: XTO												
City: Hobbs State: NM Zip: 88240										Attn: Amy Ruth												
Phone #: (575) 264-9884 Fax #:										Address:												
Project #: 20976 Project Owner: XTO										City:												
Project Name: Poker Lake Unit 22 DTD										State: Zip:												
Project Location: 32.208363, -103.867791										Phone #:												
Sampler Name: Aaron Rios										Fax #:												
FOR LAB USE ONLY										PRESERV.		SAMPLING										
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX					ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME							
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE											OTHER :	
H245211		** E * 82 82724																				
1 EW1		NW1		C	1		X				X		8/26/24			X	X	X				
2 SW 1				C	1		X				X		8/26/24			X	X	X				

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Relinquished By: <i>[Signature]</i>		Date: 8-27-24 Time: 1455		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address: <i>pm@etechnv.com</i>	
Relinquished By:		Date:		Received By:		REMARKS: * Sample 10 updated per customer.		RUSH SAMPLES - 24 HOUR <i>[Signature]</i> 8-27-24	
Delivered By: (Circle One)		Observed Temp. °C -3.8		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>[Signature]</i>		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -4.4		<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor -0.6°C		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	



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

August 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 22 DTD

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ 10' (H245213-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95	
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39	
Total BTEX	<0.300	0.300	08/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	08/28/2024	ND	400	100	400	3.92	

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	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ 10' (H245213-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95	
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39	
Total BTX	<0.300	0.300	08/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	08/28/2024	ND	400	100	400	3.92	

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	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ 10' (H245213-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95		
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32		
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90		
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39		
Total BTEX	<0.300	0.300	08/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	400	100	400	3.92		

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	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 10' (H245213-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95		
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32		
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90		
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39		
Total BTX	<0.300	0.300	08/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	08/28/2024	ND	400	100	400	3.92		

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	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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*=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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 10' (H245213-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95		
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32		
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90		
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39		
Total BTEx	<0.300	0.300	08/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	08/28/2024	ND	400	100	400	3.92	

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	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ 10' (H245213-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95		
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32		
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90		
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39		
Total BTEx	<0.300	0.300	08/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	08/28/2024	ND	400	100	400	3.92	

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	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 8 @ 10' (H245213-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95		
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32		
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90		
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39		
Total BTEx	<0.300	0.300	08/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/28/2024	ND	448	112	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	08/28/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 10' (H245213-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95		
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32		
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90		
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39		
Total BTEX	<0.300	0.300	08/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/28/2024	ND	448	112	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	08/28/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 10' (H245213-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95	
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39	
Total BTX	<0.300	0.300	08/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	448	112	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	08/28/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/27/2024
 Reported: 08/28/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H245213-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2024	ND	2.16	108	2.00	7.45		
Toluene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.10	105	2.00	7.21		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.29	105	6.00	7.53		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/28/2024	ND	448	112	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	08/28/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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




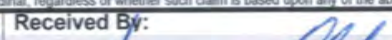

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Lance Crenshaw				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)																
Address: 2617 West Marland				Company: XTO																						
City: Hobbs State: NM Zip: 88240				Attn: Amy Ruth																						
Phone #: (575) 264-9884 Fax #:				Address:																						
Project #: 20976 Project Owner: XTO				City:																						
Project Name: Poker Lake Unit 22 DTD				State: Zip:																						
Project Location: 32.208363, -103.867791				Phone #:																						
Sampler Name: Aaron Rios				Fax #:																						
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
H245213																										
1	FL 1 @ 10'	C	1			X				X			8/26/24		X	X	X									
2	FL 2 @ 10'	C	1			X				X			8/26/24		X	X	X									
3	FL 3 @ 10'	C	1			X				X			8/26/24		X	X	X									
4	FL 5 @ 10'	C	1			X				X			8/26/24		X	X	X									
5	FL 6 @ 10'	C	1			X				X			8/26/24		X	X	X									
6	FL 7 @ 10'	C	1			X				X			8/26/24		X	X	X									
7	FL 8 @ 10'	C	1			X				X			8/26/24		X	X	X									
8	FL 9 @ 10'	C	1			X				X			8/26/24		X	X	X									
9	FL 10 @ 10'	C	1			X				X			8/26/24		X	X	X									
10	NW 1	C	1			X				X			8/26/24		X	X	X									

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Relinquished By: 		Date: 8-27-24	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
		Time: 1455		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		RUSH SAMPLES - 24 HOUR
Delivered By: (Circle One)	Observed Temp. °C -38	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C -4.4	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #140 Correction Factor -0.6°C
				Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C



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

August 30, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 22 DTD

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/29/2024
 Reported: 08/30/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 4 @ 10' (H245257-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	15.7	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25	
Total BTX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/29/2024	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	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: XTO																							
City: Hobbs State: NM Zip: 88240				Attn: Amy Ruth																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 20976 Project Owner: XTO				City:																							
Project Name: Poker Lake Unit 22 DTD				State: Zip:																							
Project Location: 32.208363, -103.867791				Phone #:																							
Sampler Name: Aaron Rios				Fax #:																							
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H245257		FL 4 @ 10'		C 1		X				X		8/28/24		X X X													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date: 8-29-24 Time: 8:15		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
		Time:				REMARKS:	
						RUSH SAMPLES - 24 HOUR	
Delivered By: (Circle One)		Observed Temp. °C 14.0		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -14.6		CHECKED BY: (Initials) AD		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Thermometer ID #140 Correction Factor -0.6°C	
						Observed Temp. °C Corrected Temp. °C	



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

September 05, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 22 DTD

Enclosed are the results of analyses for samples received by the laboratory on 08/30/24 14:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/30/2024
 Reported: 09/05/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW2 (H245317-01)

BTEx 8021B		mg / kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	1.90	95.0	2.00	5.30		
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.2	2.00	5.68		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.85	92.6	2.00	5.69		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.51	91.9	6.00	5.55		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/03/2024	ND	432	108	400	3.64		

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	08/30/2024	ND	209	104	200	0.714	
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	205	102	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/30/2024
 Reported: 09/05/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW2 (H245317-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	1.90	95.0	2.00	5.30		
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.2	2.00	5.68		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.85	92.6	2.00	5.69		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.51	91.9	6.00	5.55		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/03/2024	ND	432	108	400	3.64	

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	08/31/2024	ND	209	104	200	0.714	
DRO >C10-C28*	<10.0	10.0	08/31/2024	ND	205	102	200	3.83	
EXT DRO >C28-C36	<10.0	10.0	08/31/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

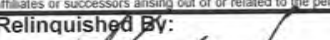
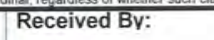

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 		Date: 8/30/24 Time: 1459		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 3.7 Corrected Temp. °C -4.3		Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 	
				Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	



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

September 04, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 22 DTD

Enclosed are the results of analyses for samples received by the laboratory on 09/03/24 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 11 @ 10' (H245326-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93	
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7	
Total BTX	<0.300	0.300	09/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/03/2024	ND	448	112	400	3.64	

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	09/03/2024	ND	184	92.2	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	190	95.1	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 12 @ 10' (H245326-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93		
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4		
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7		
Total BTEx	<0.300	0.300	09/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/03/2024	ND	448	112	400	3.64		

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	09/03/2024	ND	184	92.2	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	190	95.1	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 13 @ 9' (H245326-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93		
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4		
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7		
Total BTEx	<0.300	0.300	09/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/03/2024	ND	448	112	400	3.64		

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 57.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 14 @ 9' (H245326-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93	
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7	
Total BTEX	<0.300	0.300	09/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/03/2024	ND	448	112	400	3.64	

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 15 @ 8' (H245326-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93	
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7	
Total BTEx	<0.300	0.300	09/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/03/2024	ND	448	112	400	3.64		

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 16 @ 7' (H245326-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93	
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7	
Total BTEx	<0.300	0.300	09/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/03/2024	ND	448	112	400	3.64		

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 17 @ 6' (H245326-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93	
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7	
Total BTEX	<0.300	0.300	09/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/03/2024	ND	448	112	400	3.64	

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 18 @ 9' (H245326-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93	
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7	
Total BTEX	<0.300	0.300	09/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/03/2024	ND	448	112	400	3.64	

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 19 @ 5' (H245326-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93	
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7	
Total BTEx	<0.300	0.300	09/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	09/03/2024	ND	448	112	400	3.64	

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 (H245326-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93		
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4		
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7		
Total BTEX	<0.300	0.300	09/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/03/2024	ND	448	112	400	3.64		

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 (H245326-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93		
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4		
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7		
Total BTEx	<0.300	0.300	09/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/03/2024	ND	448	112	400	3.64		

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/03/2024
 Reported: 09/04/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 5 (H245326-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2024	ND	2.05	102	2.00	9.93		
Toluene*	<0.050	0.050	09/03/2024	ND	1.93	96.4	2.00	10.4		
Ethylbenzene*	<0.050	0.050	09/03/2024	ND	1.97	98.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	09/03/2024	ND	5.82	97.0	6.00	10.7		
Total BTEx	<0.300	0.300	09/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/03/2024	ND	448	112	400	3.64		

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	09/03/2024	ND	203	101	200	3.55	
DRO >C10-C28*	<10.0	10.0	09/03/2024	ND	205	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	09/03/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 2 of 2

Page 16 of 16

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 20976 Project Owner: XTO Project Name: Poker Lake Unit 22 DTD Project Location: 32.208363, -103.867791 Sampler Name: Aaron Rios				BILL TO P.O. #: Company: XTO Attn: Amy Ruth Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST															
FOR LAB USE ONLY Lab I.D. 1245326 Sample I.D. SW 4 11 12 SW 5				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)											
(G)RAB OR (C)OMP. # CONTAINERS C 1 C 1				X X				X X		8/29/24 8/29/24		X X X X X X											

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Relinquished By: [Signature] Date: 8-3-24 Time: 0810		Received By: S Rodriguez Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By: [Signature] Date: Time:		Received By: [Signature] Date: Time:		REMARKS: RUSH SAMPLES - 24 HOUR	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -10.02 Corrected Temp. °C -10.02		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Thermometer ID #140 Correction Factor -0.6°C		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

September 06, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 22 DTD

Enclosed are the results of analyses for samples received by the laboratory on 09/05/24 12:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 19 @ 6' (H245380-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62	
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5	
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5	
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7	
Total BTX	<0.300	0.300	09/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2024	ND	416	104	400	3.77	

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 20 @ 5' (H245380-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62	
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5	
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5	
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7	
Total BTEx	<0.300	0.300	09/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/05/2024	ND	400	100	400	3.92	

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 21 @ 5' (H245380-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62		
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5		
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5		
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7		
Total BTEX	<0.300	0.300	09/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/05/2024	ND	400	100	400	3.92	

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 22 @ 5' (H245380-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62	
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5	
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5	
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7	
Total BTEx	<0.300	0.300	09/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/05/2024	ND	400	100	400	3.92	

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 23 @ 5' (H245380-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62		
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5		
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5		
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7		
Total BTEX	<0.300	0.300	09/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/05/2024	ND	400	100	400	3.92		

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 24 @ 5' (H245380-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62		
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5		
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5		
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7		
Total BTEx	<0.300	0.300	09/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/05/2024	ND	400	100	400	3.92		

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 3 (H245380-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62		
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5		
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5		
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7		
Total BTEX	<0.300	0.300	09/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/05/2024	ND	400	100	400	3.92	

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 4 (H245380-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62		
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5		
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5		
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7		
Total BTEX	<0.300	0.300	09/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/05/2024	ND	400	100	400	3.92	

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 5 (H245380-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62	
Toluene*	<0.050	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5	
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5	
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7	
Total BTX	<0.300	0.300	09/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/05/2024	ND	400	100	400	3.92	

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/05/2024
 Reported: 09/06/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 1 (H245380-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2024	ND	1.91	95.5	2.00	9.62		
Toluene*	0.056	0.050	09/05/2024	ND	1.86	93.0	2.00	10.5		
Ethylbenzene*	<0.050	0.050	09/05/2024	ND	1.87	93.3	2.00	10.5		
Total Xylenes*	<0.150	0.150	09/05/2024	ND	5.55	92.6	6.00	10.7		
Total BTEX	<0.300	0.300	09/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/05/2024	ND	400	100	400	3.92		

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	09/05/2024	ND	195	97.3	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/05/2024	ND	197	98.6	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	09/05/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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 "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 13 of 13

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Relinquished By: 		Date: 7.5.24	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Time: 1222				All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
Time:				RUSH SAMPLES - 24 HOUR
Delivered By: (Circle One)	Observed Temp. °C: 3.5°C	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	CHECKED BY: (Initials) 	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 4.1°C	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Thermometer ID #140 Correction Factor -0.6°C	Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>



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

September 12, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 22 DTD

Enclosed are the results of analyses for samples received by the laboratory on 09/09/24 14:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/09/2024
 Reported: 09/12/2024
 Project Name: POKER LAKE UNIT 22 DTD
 Project Number: 20976
 Project Location: XTO 32.208363-103.867791

Sampling Date: 09/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TOPSOIL (H245433-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2024	ND	1.84	92.0	2.00	0.396		
Toluene*	<0.050	0.050	09/10/2024	ND	1.83	91.4	2.00	1.79		
Ethylbenzene*	<0.050	0.050	09/10/2024	ND	1.90	95.1	2.00	2.90		
Total Xylenes*	<0.150	0.150	09/10/2024	ND	5.82	97.0	6.00	3.08		
Total BTX	<0.300	0.300	09/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/10/2024	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	09/10/2024	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	203	101	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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

Page 1 of 1

[illegible]

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Relinquished By: <i>[Signature]</i>		Date: <i>9-9-24</i>		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <i>1440</i>				All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>72.0</i>		Sample Condition		CHECKED BY: (Initials) <i>[Signature]</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>-12.6</i>		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Bacteria (only) Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	
						Thermometer ID #140 Correction Factor -0.6°C	

Appendix D

Photographic Log

Photographic Log


Photo Number: 1	 <p>Feb 14, 2024 at 3:27:42 PM Loving NM 88256 United States</p>
Photo Direction: West	
Photo Description: View of the affected area.	

Photo Number: 2	 <p>Feb 14, 2024 at 3:27:58 PM Loving NM 88256 United States</p>
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	 <p>Feb 14, 2024 at 3:35:53 PM Loving NM 88256 United States</p>
Photo Direction: Southeast	
Photo Description: View of the affected area.	

Photo Number: 4	 <p>Aug 15, 2024 at 10:56:56 AM +32.208317,-103.868362 87° E Loving NM 88256 United States</p>
Photo Direction: East	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	<div>Sep 6, 2024 at 6:59:40 AM +32.208417,-103.867517 Loving NM 88256 United States</div> 
Photo Direction: West-Southwest	
Photo Description: View of the excavated area.	

Photo Number: 6	<div>Sep 6, 2024 at 7:01:30 AM +32.208294,-103.868087 Loving NM 88256 United States</div> 
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 7	 <p>Loving NM 88256 United States</p>
Photo Direction: East	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>Sep 6, 2024 at 7:02:45 AM +32.208300, -103.868371 Loving NM 88256 United States</p>
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photographic Log


Photo Number: 9	 <p>Sep 17, 2024 at 1:13:20 PM +32.208531,-103.868570 Loving NM 88256 United States</p>
Photo Direction: East	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 10	 <p>Sep 17, 2024 at 1:17:09 PM +32.208529,-103.867522 Loving NM 88256 United States</p>
Photo Direction: West	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log



Photo Number: 11	
Photo Direction: West-Northwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 12	
Photo Direction: West-Southwest	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix E

Regulatory Correspondence



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

7770 Jefferson Street NE, Suite 410
Albuquerque, New Mexico 87109
Tel: 505.254.1115 Fax: 505.254.1116
www.swca.com

August 20, 2024

Aaron Whaley
Bureau of Land Management, Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220

Re: Cultural Resources Review for the PLU 22 DTD Inadvertent Release Remediation Project in Eddy County, New Mexico

Dear Mr. Whaley:

ETech Environmental and Safety Solutions is planning to remediate the inadvertent pipeline release entitled 'PLU 22 DTD'. The project is located on lands managed by the Bureau of Land Management (BLM), Carlsbad Field Office (CFO), in Eddy County, New Mexico. The project is 22.9 miles southeast of Carlsbad, New Mexico in Township 24 South, Range 30 East, Section 22. SWCA Environmental Consultants (SWCA) has performed a search on the New Mexico Cultural Resources Inventory System (NMCRIS) online database maintained by the Archaeological Records Management Section (ARMS) of the New Mexico State Historic Preservation Division (HPD) which included a review of cultural resources, including archaeological sites (documented on Laboratory of Anthropology [LA] forms), the historic built environment (documented on Historic Cultural Properties Inventory [HCPI] forms), and State and National Register listed properties located in or near the Livingston Ridge Substation Expansion Project (NM-085440) in Eddy County, New Mexico. Other sources reviewed include the Bureau of Land Management General Land Office Records web site (<http://www.glorerecords.blm.gov>) which includes land patent and general land office survey data. As this area was not settled by Spain, land grant records were not reviewed.

Results of a Cultural Resources Background Review

According to the NMCRIS database, there are two archaeological investigations that overlap with the spill area and portions of a surrounding 100 foot buffer area. One of these investigations (NMCRIS 149699) is a qualifying previous survey (occurring within the last 10 years), and covers the entire spill area as well as a surrounding buffer area of at least 700 ft to the east and west, a minimum of 49 feet to the north, and a minimum of 59 feet to the south. No site is located within 100 feet of the spill area, and based upon NMCRIS data the nearest cultural resources is approximately 2,000 feet from the project area. A review of the BLM GLO Records around the proposed project area were negative for land patents.

The spill area rests entirely within a pipeline right-of-way (ROW) and adjacent graded access road cleared of archaeological resources in 2022 (NMCRIS 149699). While buffers to the north and south are less than 100 feet, ground disturbing activities planned by ETech Environmental and Safety Solutions are spatially confined to the already disturbed pipeline ROW and adjacent road. Per conversation with the BLM CFO on August 20, 2024, no field survey will be required by the agency for the



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planned remediation activities considering the spatial location of the spill and Etech's ability to remediate without impacting previously undisturbed land. The current No Survey Letter will be the only deliverable, and I have attached a copy of the ARMS map, previous survey table, and aerial image of the project area for your records.

Sincerely,

A handwritten signature in blue ink that reads "Beau Murphy". The signature is fluid and cursive, with the first name "Beau" and last name "Murphy" clearly distinguishable.

Beau Murphy

Associate Project Manager

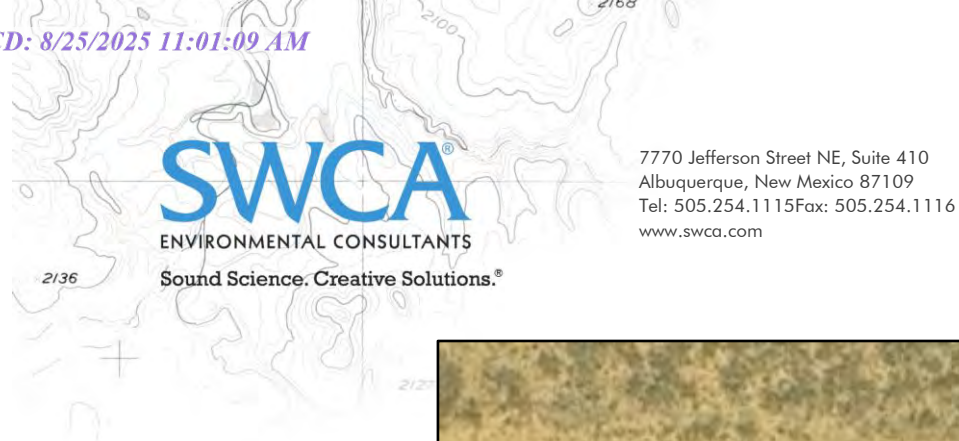


Figure 2. Aerial image of spill area. White polygon represents the spill area, overlapping primarily with a pipeline ROW and slightly with an adjacent graded road. Remediation activities are planned to be confined to these disturbed areas.

Archaeological Resources Management System (ARMS) Review Results**Table 1. Previous cultural surveys within 100 feet of PLU 22 DTD Spill.***

Activity No.	Lead Agency	Activity Start Date	Total Acreage	Resources Visited.
149699	BLM-CFO	2/13/2022	31.26	0
92163	BLM-CFO	9/14/2004	27672.38	467

***There are no previously recorded sites within 100 feet of the proposed project area.**

From: OCDOnline@state.nm.us
Sent: Tuesday, August 20, 2024 7:30 PM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 375874

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 08/23/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, August 20, 2024 7:33 PM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 375876

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 08/23/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, August 20, 2024 7:35 PM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 375877

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 08/26/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

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- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, August 20, 2024 7:36 PM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 375878

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 08/27/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

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- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, August 20, 2024 7:37 PM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 375879

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 08/28/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, August 20, 2024 7:39 PM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 375880

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 08/29/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, September 3, 2024 10:23 AM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 379982

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 09/05/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, September 3, 2024 10:24 AM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 379984

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 09/06/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Tuesday, September 3, 2024 10:26 AM
To: Romero, Alan
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 379987

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405961992.

The sampling event is expected to take place:

When: 09/07/2024 @ 08:00

Where: B-22-24S-30E 0 FNL 0 FEL (32.208363,-103.867791)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of Twin Wells Rd and Green Rd (32.204721, -103.847206), head W on Green Rd for 1.25 mi, then N for 0.16 mi, then W for 0.03 mi, then S onto the right-of way for 0.01 mi to arrive at the Poker Lake Unit 22 DTD release area (32.208434, -103.867660).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 498837

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 498837
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405961992
Incident Name	NAPP2405961992 POKER LAKE UNIT 22 DTD @ B-22-24S-30E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	Poker Lake Unit 22 DTD
Date Release Discovered	02/14/2024
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Other (Specify) Produced Water Released: 59 BBL Recovered: 0 BBL Lost: 59 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Fluid released from surface poly water transfer line.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 498837

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 498837
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Amy Ruth Title: Coordinator SSHE Environmental Email: amy.ruth@exxonmobil.com Date: 02/28/2024
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 498837

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 498837
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/21/2024
On what date will (or did) the final sampling or liner inspection occur	09/06/2024
On what date will (or was) the remediation complete(d)	09/17/2024
What is the estimated surface area (in square feet) that will be reclaimed	4801
What is the estimated volume (in cubic yards) that will be reclaimed	711
What is the estimated surface area (in square feet) that will be remediated	4801
What is the estimated volume (in cubic yards) that will be remediated	2160
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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General Information
Phone: (505) 629-6116

Online Phone Directory
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Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 4

Action 498837

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 498837
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 08/25/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 498837

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 498837

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 498837
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	379987
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/07/2024
What was the (estimated) number of samples that were to be gathered	35
What was the sampling surface area in square feet	5800

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4801
What was the total volume (cubic yards) remediated	2160
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4801
What was the total volume (in cubic yards) reclaimed	711
Summarize any additional remediation activities not included by answers (above)	see report
<p><i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i></p>	
<p>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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.</p>	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 08/25/2025

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Action 498837

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 498837

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2405961992 Poker Lake Unit 22 DTD, thank you. This Remediation Closure Report is approved.	9/26/2025