Remediation Summary & Soil Closure Request

XTO Energy, Inc.
PLU 328H
Eddy County, New Mexico
Unit Letter "N", Section 12, Township 24 South, Range 30 East
Latitude 32.22700 North, Longitude 103.83428 West
NMOCD Reference No. nAPP2409947565

Prepared By:

Etech Environmental & Safety Solutions, Inc.
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ETECH Environmental & Safety Solutions, Inc.

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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 PLU 328H. Details of the release are summarized below:

Location of Release Source

Latitude: 32.22700 Longitude: -103.83428

Provided GPS are in WGS84 format.

Site Name:	PLU 328H	Site Type:	Pipeline
Date Release Discovered:	3/25/2024	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"N"	12	24S	30E	Eddy

Surface Owner: [ ] State [X] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 9	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
External factors: traffic driving over lines caused wear and tear.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] 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?	U.S. Geological Survey
Did the release impact groundwater or surface water?	☐ Yes ☒ 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 1,000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 300 and 500 (ft.)
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 1,000 (ft.) and ½ (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 300 and 500 (ft.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1,000 (ft.) and ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Between 1,000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	☒ Yes ☐ No

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the PLU 328H release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided in Appendix A.

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, 2A, 2B, and 4.

On June 14, 2024, in accordance with BLM remediation guidelines, an archaeological/cultural survey was conducted at the release site. The survey included a 100-foot cultural buffer around the inferred affected area, resulting in an Area of Potential Effects (APE) measuring approximately 1.27 acres (0.51 hectares). According to the New Mexico Cultural Resource Information System (NMCRIS) Investigation Abstract Form (NIAF), "No archaeological sites, historic properties, or isolated occurrences were observed during the current investigation. No additional investigation or treatment is recommended regarding the current undertaking." A copy of the NIAF is provided as Appendix F.

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 Standards for the PLU 328H release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
Between 100 and 500 (ft.)	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	N/A
	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

Requesting a remediation plan approval with this submission?	[X] Yes [ ] No
Have the lateral and vertical extents of contamination been fully delineated?	[X] Yes [ ] No
Was this release entirely contained within a lined containment area?	[ ] Yes [X] No
On what estimated date will (or did) the remediation commence?	6/20/2024
On what date will (or did) the final sampling or liner inspection occur?	6/26/2024
On what date will (or was) the remediation complete(d)?	7/1/2024
What is the total surface area (sq. ft.) in need of or that will *eventually* be reclaimed?	0
What is the total volume (cy) in need of or that will *eventually* be reclaimed?	0
What was the total surface area (sq. ft.) that has or will be remediated?	2,314
What was the total volume (cy) that has or will be remediated?	300
This remediation utilized the following processes to remediate/reduce contaminants: (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	[X] Yes [ ] No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	[ ] Yes [X] No
(In Situ) Soil Vapor Extraction	[ ] Yes [X] No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	[ ] Yes [X] No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	[ ] Yes [X] No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	[ ] Yes [X] No
Ground Water Abatement pursuant to 19.15.30 NMAC	[ ] Yes [X] No
Other (Non-listed remedial process)	[ ] Yes [X] No
Which OCD approved facility was or will be used for off-site disposal?	R360 Halfway Facility
NMOCD Disposal Facility ID?	fEEM0112334510
Summarize any additional remediation activities not included by answers above.	See below

On June 20, 2024, Etech commenced remediation activities at the PLU 328H release 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 chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor 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 sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	1,330	FL 8 @ 4'	6/26/2024	4	In-Situ
TPH	<30.0	All submitted soil samples	6/24, 6/26 & 6/28/2024	0 - 4	Excavated & In-Situ
GRO+DRO	<20.0	All submitted soil samples	6/24, 6/26 & 6/28/2024	0 - 4	Excavated & In-Situ
BTEX	<0.300	All submitted soil samples	6/24, 6/26 & 6/28/2024	0 - 4	Excavated & In-Situ
Benzene	<0.050	All submitted soil samples	6/24, 6/26 & 6/28/2024	0 - 4	Excavated & In-Situ

Please reference Table 1 for additional information.

On June 24, 2024, Etech collected nine (9) confirmation soil samples (NW 1, NW 2, SW 1, SW 2, and FL 1 @ 3' through FL 5 @ 3') from the sidewalls and floor 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 and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory method detection limits (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil sample NW 2 to 720 mg/kg in soil sample FL 2 @ 3', which exceeded the NMOCD Reclamation Standard of 600 mg/kg. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by soil sample FL 2 @ 3'.

On June 26, 2024, Etech collected eight (8) confirmation soil samples (NW 3, EW 1, FL 2 @ 4', and FL 6 @ 3' through FL 10 @ 4') from the sidewalls and floor 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 96.0 mg/kg in soil sample EW 1 to 1,330 mg/kg in soil sample FL 8 @ 4'.

The final dimensions of the excavated area were approximately 152 feet in length, seven (7) to 33 feet in width, and three (3) to four (4) feet in depth. During the course of remediation activities, Etech transported approximately 300 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 247 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, "Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	☐ Yes ☒ No
Requesting a remediation closure approval with this submission?	☒ Yes ☐ No
Have the lateral and vertical extents of contamination been fully delineated?	☒ Yes ☐ No
Was this release entirely contained within a lined containment area?	☐ Yes ☒ No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	☒ Yes ☐ No
What was the total surface area (sq. ft.) remediated?	2,314
What was the total volume (cy) remediated?	300

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 remediation closure approval be granted to the PLU 328H release site.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	☒ Yes ☐ No
Requesting a reclamation approval with this submission?	☒ Yes ☐ No
Requesting a restoration complete approval with this submission?	☐ Yes ☒ No
What was the total surface area (in square feet) reclaimed?	2,314
What was the total volume (in cubic yards) reclaimed?	300

On June 28, 2024, in accordance with NMOCD requirements, a 5-point composite soil sample (Stockpile) 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.

From June 28 to July 1, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Stockpile) emplaced at or near original relative positions. The affected areas were 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, pipeline rights-of-way, and/or lease roads will be revegetated with an agency and/or landowner-approved seed mixture at a time conducive to germination. The seed mixture will be certified to be free of noxious weeds and will be installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

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

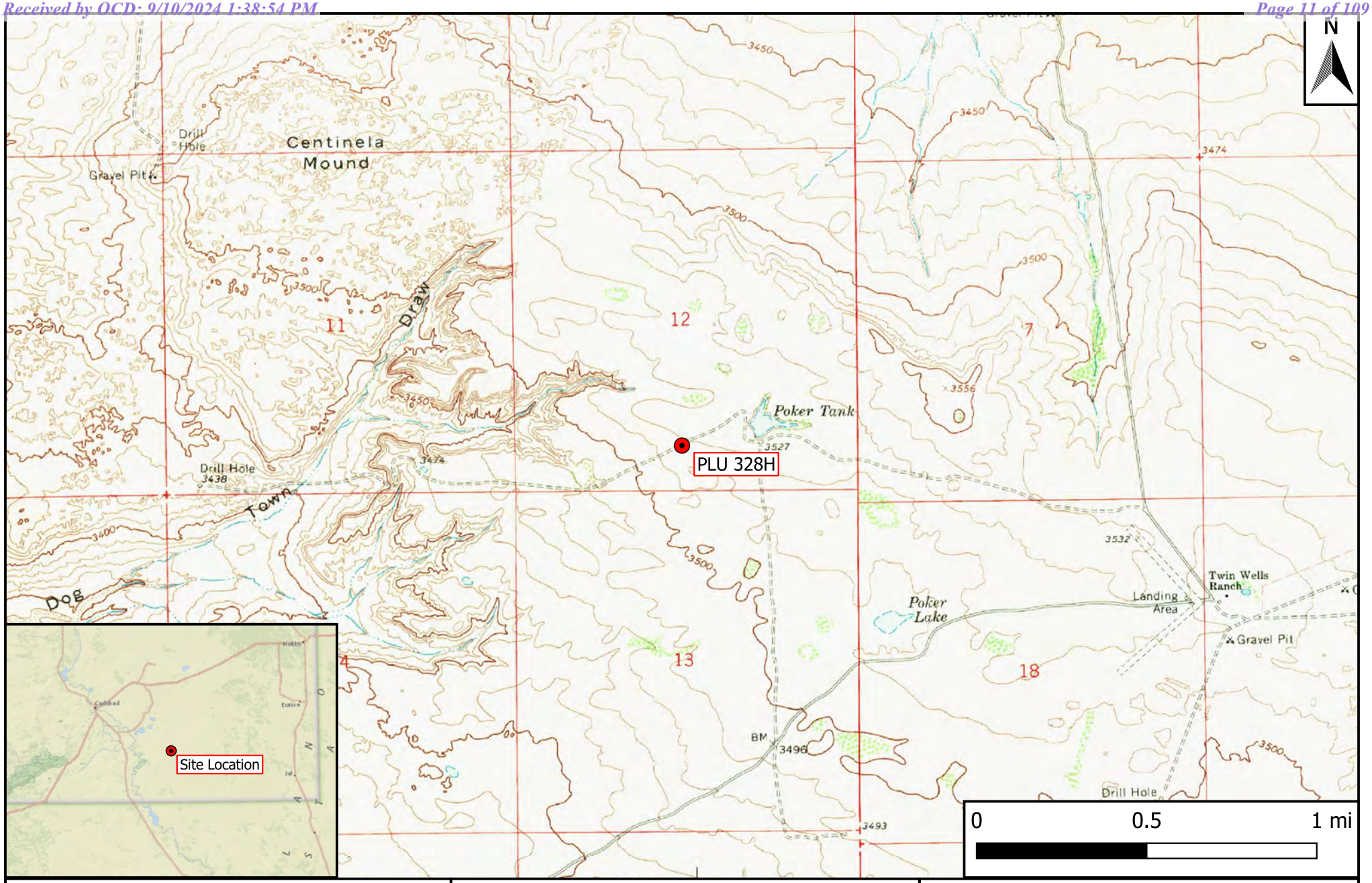
XTO Energy, Inc.
3104 E. Greene St.
Carlsbad, NM 88220

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
Site Location Map



Legend

- Site Location

Figure 1
Site Location Map
XTO Energy, Inc.
PLU 328H
GPS: 32.22700, -103.83428
Eddy County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 6/12/24

Figures 2A & 2B
Site Characterization Maps

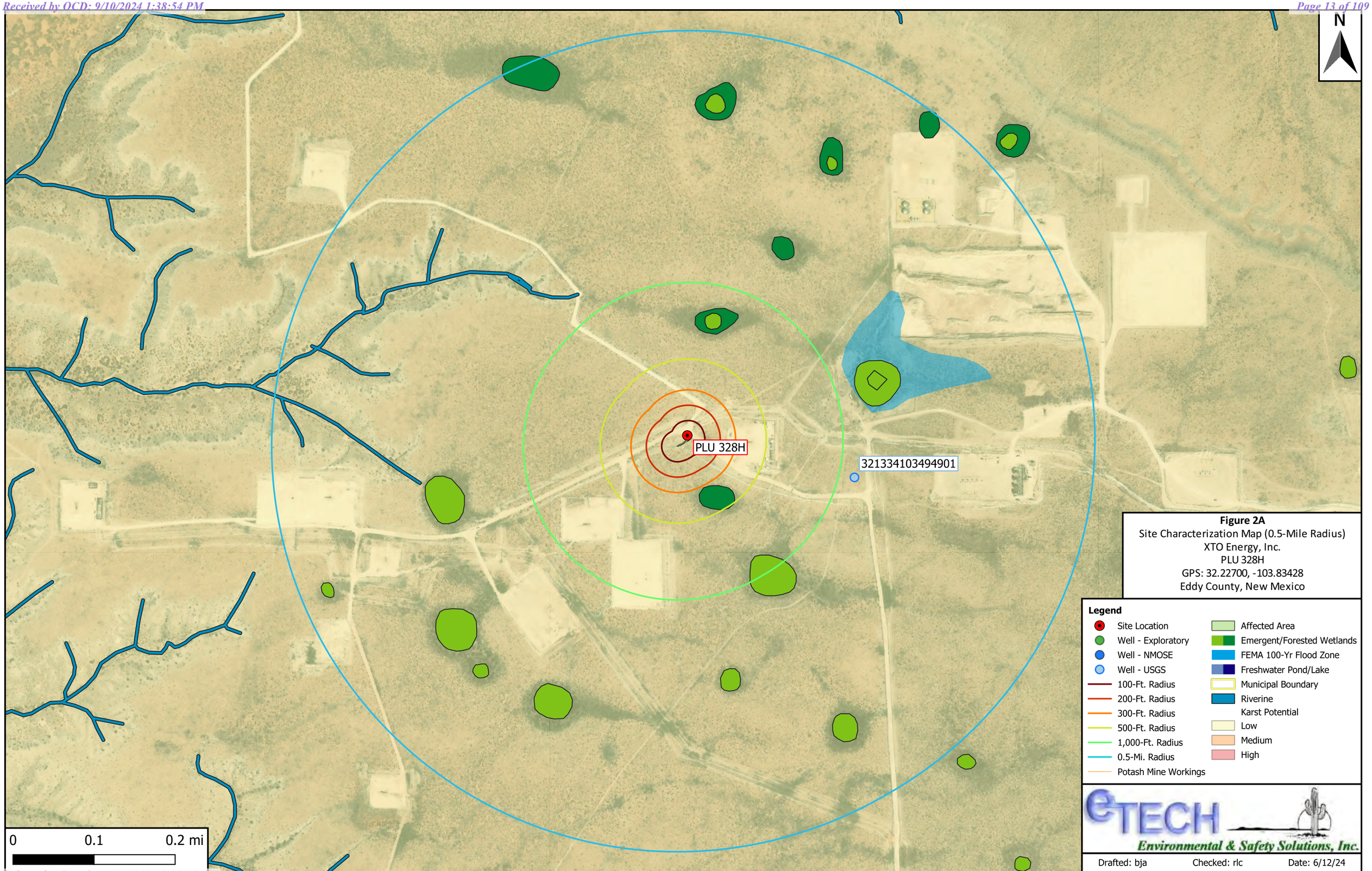


Figure 2A
Site Characterization Map (0.5-Mile Radius)
XTO Energy, Inc.
PLU 328H
GPS: 32.22700, -103.83428
Eddy County, New Mexico

Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 100-Ft. Radius
- 200-Ft. Radius
- 300-Ft. Radius
- 500-Ft. Radius
- 1,000-Ft. Radius
- 0.5-Mi. Radius
- Potash Mine Workings
- Affected Area
- Emergent/Forested Wetlands
- FEMA 100-Yr Flood Zone
- Freshwater Pond/Lake
- Municipal Boundary
- Riverine

Karst Potential

- Low
- Medium
- High

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 6/12/24

PLU 328H

N

0 1 2 mi

Figure 2B
Site Characterization Map (5-Mile Radius)
XTO Energy, Inc.
PLU 328H
GPS: 32.22700, -103.83428
Eddy County, New Mexico

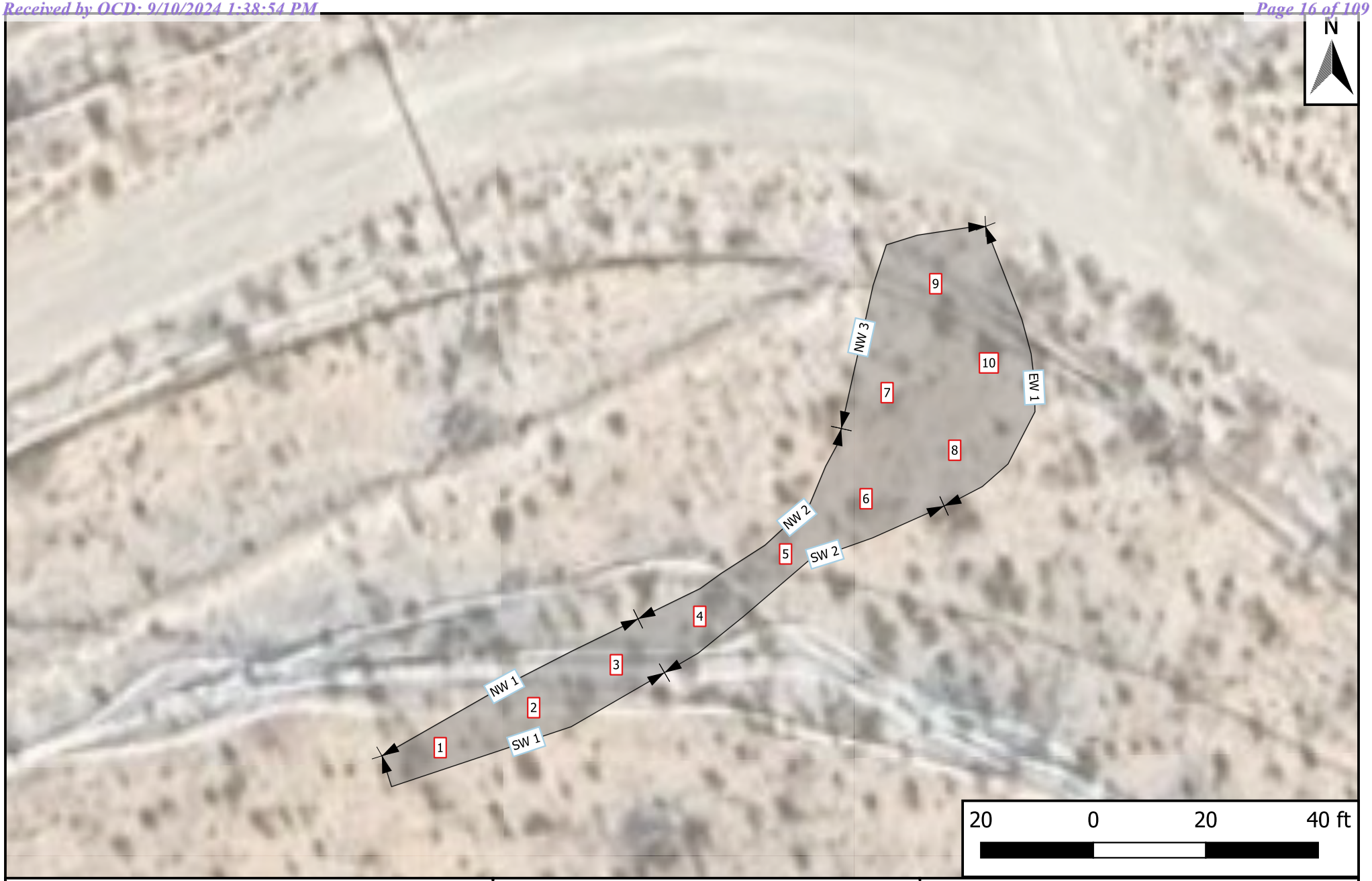
Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 1,000-Ft. Radius
- 0.5-Mi. Radius
- 1-Mi. Radius
- 5-Mi. Radius
- Potash Mine Workings
- Emergent/Forested Wetlands
- FEMA 100-Yr Flood Zone
- Freshwater Pond/Lake
- Municipal Boundary
- Riverine
- Karst Potential
- Low
- Medium
- High

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 6/12/2024

Figure 3
Sample Location Map



Legend

- Excavation Extent (2,314 ft²)
- Composite Floor Sample
- Composite Wall Sample

Figure 3
Sample Location Map
XTO Energy, Inc.
PLU 328H
GPS: 32.22700, -103.83428
Eddy County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 9/9/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
XTO Energy, Inc.
Poker Lake Unit 328H
NMOCD Ref. #: nAPP2409947565

NMOCD Closure Criteria				**10**	**50**	**N/A**	**N/A**	**1,000**	**N/A**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**N/A**	**N/A**	**N/A**	**N/A**	**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)**
Excavation Samples											
FL 1 @ 3'	6/24/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 2 @ 3'	6/24/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 2 @ 4'	6/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 3 @ 3'	6/24/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 4 @ 3'	6/24/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 5 @ 3'	6/24/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 6 @ 3'	6/26/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 7 @ 4'	6/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 8 @ 4'	6/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,330
FL 9 @ 4'	6/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FL 10 @ 4'	6/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
NW 1	6/24/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 2	6/24/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 3	6/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
EW 1	6/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 1	6/24/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW 2	6/24/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
Backfill Sample											
Stockpile	6/28/2024	N/A	Backfill	<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

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest) (meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04575 POD1		CUB	ED	NW	NW	NE	23	24S	30E	608411.9	3564355.7		2327	105		

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 1

UTM Filters (in meters):
Easting: 609839.63
Northing: 3566193.30
Radius: 2414.0

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

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04575 POD1	1	1	2	23	24S	30E	608412	3564355

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 01/04/2022 **Drill Finish Date:** 01/04/2022 **Plug Date:** 01/21/2022

Log File Date: 01/24/2022 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM

Casing Size: 0.00 **Depth Well:** 105 feet **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.

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT JAN 24 2022 PM3:00

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (BH-01)	n/a	C-4575

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy (Kyle Littrell)	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6401 Holiday Hill Dr.	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	12	38.03	N
	LONGITUDE	103	50	58.70	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

NW NE Sec. 23 T24S R30E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
1-4-2022	1-4-2022	temporary well material	105	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	105	±8.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4575	POD NO. 1	TRN NO. 709414
LOCATION 2-1-1 24S-30E-23	WELL TAG ID NO. —	PAGE 1 OF 2

MON

OSE DII JAN 24 2022 PM 3:00

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	1	1	Caliche, White, Dry	Y ✓ N	
1	20	19	Sand, very fine grained, well graded, with caliche, Reddish Brown-Light Brown	Y N	
20	30	20	Caliche, consolidated with silt and some gravel, Off-White, Dry	Y ✓ N	
30	50	20	Sand, very fine grained, well graded, with gravel, Light Brown	Y ✓ N	
50	75	25	Sand, very fine grained, well graded, with gravel, Reddish Brown, slight moist	Y ✓ N	
75	105	30	Sand, very fine grained, poorly graded, Reddish Brown, slight moist	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt, Carmelo Trevino

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 1/21/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4573	POD NO. 1	TRN NO. 709414	
LOCATION 2-1-1 24S-30E-23		WELL TAG ID NO.	PAGE 2 OF 2

MON

OSE_Well Record and Log_-forsign

Final Audit Report 2022-01-22

Created:	2022-01-21
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAHFW29aZiQH1D931B0LxyAz3o1wYi88ri

"OSE_Well Record and Log_-forsign" History

OSE DIT JAN 24 2022 PM3:00

Document created by Lucas Middleton (lucas@atkinseng.com)
2022-01-21 - 10:47:34 PM GMT- IP address: 69.21.248.123

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-01-21 - 10:48:19 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2022-01-21 - 10:49:13 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-01-22 - 0:16:23 AM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2022-01-22 - 0:16:23 AM GMT

Adobe Sign

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321334103494901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321334103494901 24S.30E.12.432344

Eddy County, New Mexico
Latitude 32°13'34", Longitude 103°49'49" NAD27
Land-surface elevation 3,522 feet above NAVD88
The depth of the well is 500 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-06-14		D	72019	367.10			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
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: 2024-08-22 14:22:52 EDT
0.35 0.23 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321310103482101

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321310103482101 24S.31E.17.13120

Eddy County, New Mexico
Latitude 32°13'14.1", Longitude 103°48'23.4" NAD83
Land-surface elevation 3,530.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1959-02-03		D	72019	70.50			P	Z			A
1959-03-25		D	72019	67.67			1	Z			A
1976-12-02		D	72019	66.02			1	Z			A
2013-01-17	21:00 UTC	m	72019	74.44			1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

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: 2024-08-22 14:24:20 EDT
0.32 0.23 nadww01

Appendix B
Field Data

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project: Poker Lake Unit 328H

Project Number: 20181 Latitude: 32.226883 Longitude: -103.834332

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-1 @ 1'	-	7664	
FL-2 @ 1'	-	12680	
FL1 @ 3'		284	
FL2 @ 3'		284	
SW1 @ 3'		314	
NW1		580	
FL3 @ 3'		352	
NW1		192	
FL4 @ 3'		436	
SW2		198	
NW2		168	
FL-5 @ 3'		352	
FL Test @ 2'		6556	
WW1		1800	
FL6 @ 3'		312	
EW1		352	
FL7 @ 3'		816	
FL8 @ 3'		816	
FL7 @ 4'		352	
FL8 @ 4'		392	
FL9 @ 4'		436	
FL10 @ 4'		392	
FL2 @ 4'		314	
NW3		352	

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
Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: South	
Photo Description: View of the affected area.	

Photo Number: 2	
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	
Photo Direction: South-Southwest	
Photo Description: View of the affected area.	

Photo Number: 4	
Photo Direction: East	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	
Photo Direction: South	
Photo Description: View of the excavated area.	

Photo Number: 6	
Photo Direction: Southwest	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 7	
Photo Direction: Southwest	
Photo Description: View of the excavated area.	

Photo Number: 8	
Photo Direction: East	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 9	
Photo Direction: South	
Photo Description: View of the excavated area during backfilling.	

Photo Number: 10	
Photo Direction: South-Southwest	
Photo Description: View of the excavated area during backfilling.	

Photographic Log

Photo Number: 11	
Photo Direction: South-Southwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 12	
Photo Direction: South-Southeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log

Photo Number: 13	
Photo Direction: Southeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 14	
Photo Direction: Southwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Appendix D
Laboratory Analytical Reports

CARDINAL Laboratories

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

June 26, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 328H

Enclosed are the results of analyses for samples received by the laboratory on 06/25/24 8:04.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 1 @ 3' (H243754-01)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**416**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *69.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *68.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 2 @ 3' (H243754-02)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**720**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *80.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 3 @ 3' (H243754-03)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**112**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 4 @ 3' (H243754-04)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**144**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *84.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 5 @ 3' (H243754-05)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**224**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *85.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: NW 1 (H243754-06)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**64.0**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *72.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *70.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: NW 2 (H243754-07)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *76.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: SW 1 (H243754-08)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**160**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *78.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/25/2024	Sampling Date:	06/24/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: SW 2 (H243754-09)

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	06/25/2024	ND	1.87	93.5	2.00	5.70	
Toluene*	<0.050	0.050	06/25/2024	ND	2.03	102	2.00	5.22	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	2.05	103	2.00	4.61	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	06/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**80.0**	16.0	06/25/2024	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	06/25/2024	ND	203	102	200	5.05	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	212	106	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *79.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 10/1/2024 9:20:40 AM

Received by OCD: 9/10/2024 1:38:54 PM

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 W Marland	**Company**	XTO
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Amy Ruth
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20181 **Project Owner:** XTO	**City:**	
Project Name:	Poker Lake Unit 328H	**State:** NM **Zip:**	
Project Location:	32.226883, -103.834332	**Phone #:**	
Sampler Name:	Aaron Rios	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
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	Chloride	TPH (8015M)	BTEX (8021B)										
H243754																										
1	FL 1 @ 3'	C	1			X					X		6/24/24		X	X	X									
2	FL 2 @ 3'	C	1			X					X		6/24/24		X	X	X									
3	FL 3 @ 3'	C	1			X					X		6/24/24		X	X	X									
4	FL 4 @ 3'	C	1			X					X		6/24/24		X	X	X									
5	FL 5 @ 3'	C	1			X					X		6/24/24		X	X	X									
6	NW 1	C	1			X					X		6/24/24		X	X	X									
7	NW 2	C	1			X					X		6/24/24		X	X	X									
8	SW 1	C	1			X					X		6/24/24		X	X	X									
9	SW 2	C	1			X					X		6/24/24		X	X	X									

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Relinquished By:	Date: 6.25.24	**Received By:**	
	Time: 8041		
Relinquished By:	Date:	**Received By:**	
	Time:		
Delivered By: (Circle One)	1.3°C	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY:** (Initials)
Sampler - UPS - Bus - Other:	#140		

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

RUSH SAMPLES - 24 HOUR
Incident ID for XTO: NAPP2409947565
Please email results and copy of CoC to pm@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL Laboratories

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

June 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 328H

Enclosed are the results of analyses for samples received by the laboratory on 06/27/24 8:11.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 2 @ 4' (H243846-01)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**128**	16.0	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane *93.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 6 @ 3' (H243846-02)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**144**	16.0	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane *97.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 7 @ 4' (H243846-03)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**544**	16.0	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane *94.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 8 @ 4' (H243846-04)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**1330**	16.0	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane *99.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 9 @ 4' (H243846-05)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**944**	16.0	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	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

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: FL 10 @ 4' (H243846-06)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**1220**	16.0	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane *97.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: NW 3 (H243846-07)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**112**	16.0	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/27/2024	Sampling Date:	06/26/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: EW 1 (H243846-08)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	06/27/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2024	ND	214	107	200	1.25	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	209	105	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane *81.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Released to Imaging: 10/1/2024 9:20:40 AM

Received by OCD: 9/10/2024 1:38:54 PM

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 W Marland	**Company**	XTO
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Amy Ruth
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20181 **Project Owner:** XTO	**City:**	
Project Name:	Poker Lake Unit 328H	**State:** NM **Zip:**	
Project Location:	32.226883, -103.834332	**Phone #:**	
Sampler Name:	Aaron Rios	**Fax #:**	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST												
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	Chloride	TPH (8015M)	BTEX (8021B)											
H243846											✓																	
1	FL 2 @ 4'	C	1			X					X		6/26/24		X	X	X											
2	FL 6 @ 3'	C	1			X					X		6/26/24		X	X	X											
3	FL 7 @ 4'	C	1			X					X		6/26/24		X	X	X											
4	FL 8 @ 4'	C	1			X					X		6/26/24		X	X	X											
5	FL 9 @ 4'	C	1			X					X		6/26/24		X	X	X											
6	FL 10 @ 4'	C	1			X					X		6/26/24		X	X	X											
7	NW 3	C	1			X					X		6/26/24		X	X	X											
8	EW 1	C	1			X					X		6/26/24		X	X	X											

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Relinquished By:	**Date:** 6-27-24	**Received By:**	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 811		**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		RUSH SAMPLES - 24 HOUR Incident ID for XTO: NAPP2409947565 Please email results and copy of CoC to pm@etechenv.com.

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -1.1°C #140

Sample Condition		CHECKED BY:
Cool	Intact	(Initials)
☐ Yes ☐ No	☐ Yes ☐ No	AD

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL Laboratories

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

July 05, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: POKER LAKE UNIT 328H

Enclosed are the results of analyses for samples received by the laboratory on 07/01/24 13:17.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	07/01/2024	Sampling Date:	06/28/2024
Reported:	07/05/2024	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 328H	Sampling Condition:	Cool & Intact
Project Number:	20181	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.226883, -103.834332		

Sample ID: STOCKPILE (H243928-01)

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	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *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	07/05/2024	ND	432	108	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	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					

Surrogate: 1-Chlorooctane *99.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.1 %* *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

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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

Released to Imaging: 10/1/2024 9:20:40 AM

Received by OCD: 9/10/2024 1:38:54 PM

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 W Marland	**Company**	XTO
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Amy Ruth
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20181 **Project Owner:** XTO	**City:**	
Project Name:	Poker Lake Unit 328H	**State:** NM **Zip:**	
Project Location:	32.226883, -103.834332	**Phone #:**	
Sampler Name:	Aaron Rios	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
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	Chloride	TPH (8015M)	BTEX (8021B)										
H243928																										
1	Stockpile	C	1			X					X		6/28/24		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:** 7-1-24	**Received By:**	
	Time: 1311		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Phone Result:	☐ Yes	☐ No	**Add'l Phone #:**
Fax Result:	☐ Yes	☐ No	**Add'l Fax #:**

REMARKS:

Incident ID for XTO: NAPP2409947565
Please email results and copy of CoC to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 3.0°C +1.0

Sample Condition		**CHECKED BY: (Initials)**
Cool	**Intact**	
☑ Yes	☐ Yes	AD
☐ No	☐ No	

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Appendix E
Regulatory Correspondence

From: OCDOnline@state.nm.us
To: Ruth, Amy
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 353488
Date: Wednesday, June 12, 2024 3:15:03 PM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/17/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Ovi Ontiveros, 432-236-1683

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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
To: Ruth, Amy
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 353492
Date: Wednesday, June 12, 2024 3:16:33 PM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/18/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Ovi Ontiveros, 432-236-1683

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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
To: Ruth, Amy
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 353495
Date: Wednesday, June 12, 2024 3:17:17 PM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/19/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Ovi Ontiveros, 432-236-1683

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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
To: Ruth, Amy
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 353498
Date: Wednesday, June 12, 2024 3:19:00 PM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/20/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Ovi Ontiveros, 432-236-1683

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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: Wells, Shelly, EMNRD
To: Romero, Alan
Cc: Ruth, Amy; Lance Crenshaw; Garcia, Amanda; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] XTO - Sampling Variance Request - Poker Lake Unit 328H Battery - Incident Number nAPP2409947565
Date: Friday, June 21, 2024 2:14:40 PM

Good afternoon Alan,

A variance to the two business day notification for confirmation sampling is approved for NAPP2409947565 PLU 328 for June 20-June 27, 2024. I have also made notes of this in the Incident Events. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file. When the website is finally working properly, please do submit your C-141N notifications for each day of sampling.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Romero, Alan <alan.romero1@exxonmobil.com>
Sent: Friday, June 21, 2024 12:57 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ruth, Amy <amy.ruth@exxonmobil.com>; Lance Crenshaw <lance@etechenv.com>; Garcia, Amanda <amanda.garcia@exxonmobil.com>
Subject: [EXTERNAL] XTO - Sampling Variance Request - Poker Lake Unit 328H Battery - Incident Number nAPP2409947565

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

XTO is requesting a variance of the 48-hr sampling notification (C-141N)

requirements for two samples collected at the Poker Lake Unit 328H (nAPP2409947565) as well as sampling needed M-F of next week. Due to various issues within the OCD permitting portal this week, some of our projects needing submissions slipped through as we kept checking for the portal to function properly. Delineation activities have been completed and additional sampling was pending awaiting results of an archaeological survey that was performed on June 14, 2024. The survey report was generated and received today (see attachment for reference). XTO appreciates the NMOCD's consideration of this variance request and does not anticipate requiring variances of this nature for future incidents. Following approval of the variance, a C-141N will be submitted via the portal for 6/20/24 – 6/27/24 and the correspondence will be included in the final report.

Thank you for your time.

Respectfully,

Alan Romero
Environmental Advisor
Permian Business Unit – New Mexico Delaware Basin

ExxonMobil Upstream Oil & Gas Unconventional
3104 East Greene Street
Carlsbad, New Mexico 88220
Direct: (575) 988-3383

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From: Smith, Kailee /C
To: Romero, Alan
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356700
Date: Wednesday, August 21, 2024 2:32:14 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, June 21, 2024 2:17 PM
To: Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356700

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/20/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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: Smith, Kailee /C
To: Romero, Alan
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356702
Date: Wednesday, August 21, 2024 2:31:59 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, June 21, 2024 2:20 PM
To: Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356702

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/21/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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: Smith, Kailee /C
To: Romero, Alan
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356706
Date: Wednesday, August 21, 2024 2:31:48 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, June 21, 2024 2:25 PM
To: Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356706

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/24/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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: Smith, Kailee /C
To: Romero, Alan
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356713
Date: Wednesday, August 21, 2024 2:31:36 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, June 21, 2024 2:35 PM
To: Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356713

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/25/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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: Smith, Kailee /C
To: Romero, Alan
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356715
Date: Wednesday, August 21, 2024 2:31:20 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, June 21, 2024 2:39 PM
To: Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356715

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/26/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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: Smith, Kailee /C
To: Romero, Alan
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356717
Date: Wednesday, August 21, 2024 2:31:02 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, June 21, 2024 2:44 PM
To: Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 356717

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2409947565.

The sampling event is expected to take place:

When: 06/27/2024 @ 08:00
Where: N-12-24S-30E 0 FNL 0 FEL (32.227,-103.83428)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of NM-128 and Twin Wells Rd (32.298876, -103.805440), head S on Twin Wells Rd for 5.30 mi, then W for 0.70 mi, then continue W around the south of the pad for 0.24 mi, then W for 0.29 mi, then S for 0.07 mi, then W for 0.24 mi, then SW into the pasture for 0.01 mi to arrive at the Poker Lake Unit 328H release area (32.226883, -103.834332).

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

Appendix F
NMCRIS Investigation Abstract Form (NIAF)

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Registration

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Performing Agency: SWCA Environmental Consultants

Activity ID: 90852

Performing Agency Report No: 24-456

Other Agencies:

Report Recipient (Your Client): ETech Environmental & Safety Solutions

Activity Types:

- [ ] Research Design
- [x] Archaeological Survey/Inventory
- [ ] Architectural Survey/Inventory
- [ ] Test Excavation
- [ ] Monitoring
- [ ] Collections/Non-Field Study
- [ ] Compliance Decision
- [ ] Literature Review Overview
- [ ] Excavation
- [ ] Ethnographic Study
- [ ] Resource/Property Visit
- [ ] Historic Structures Report
- [ ] Other:

Total Survey Acreage: 1.27

Total Tribal Acreage: 0.00

Total Resources Visited: 0

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Report Details

Type of Report

Type of Report Negative

Lead Agency

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: A Class III Archaeological Survey for XTO's Poker Lake Unit 328H Inadvertent Pipeline Release Remediation Project in Eddy County, New Mexico

Authors: Ad A. Muniz

Publication Type: Report, Monograph, or Book

Description of Undertaking (what does the project entail?)

Description: ETech Environmental & Safety Solutions (ETech) contracted SWCA Environmental Consultants (SWCA) to conduct an intensive cultural resources pedestrian survey in support of XTO's Poker Lake Unit 328H inadvertent pipeline release remediation in Eddy County, New Mexico. The remediation process will require removing impacted sediments from the contaminated area and replacing them with clean soil. The surface area of the inadvertent release covers approximately 0.0237 acres (0.0096 ha). The inadvertent release is located approximately 16.1 miles southeast of Loving, NM on lands managed by the Bureau of Land Management (BLM) Carlsbad Field Office (CFO). The BLM CFO will serve as the lead agency for the remediation activities.

Dates of Investigation

From: 14-Jun-2024 **To:** 14-Jun-2024

Report Date

Report Date: 21-Jun-2024

Performing Agency/Consultant

Name: SWCA Environmental Consultants

Principal Investigator: Meaghan Trowbridge

Field Supervisor: Ad Muniz

Field Personnel Names: N/A

Historian/Other N/A

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Report Details

Performing Agency Report Number

Report Number: 24-456

Client/Customer (project proponent)

Name: ETech Environmental & Safety Solutions

Contact: Lance Crenshaw

Address: 13000 WCR 100 Odessa, Texas 79765

Phone 423-563-2200

Client/Customer Project Number

Project Number: N/A

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Owner/Manager List:

Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
US Bureau of Land Management Carlsbad Field Office	Class III	1.27	1.27

Total Survey Acreage: 1.27

Total Tribal Acreage: 0.00

Record Search(es)

Date of HPD/ARMS File Review: 12-Jun-2024

Date of Other Agency File Review 13-Jun-2024

Survey Data

Source Graphics: NAD 83

☑ USGS 7.5' (1:24,000) topo map ☐ Other Topo Map Scale:

☑ GPS Unit <1M

☐ Aerial Photos Other Source Graphic(s):

The following tables (b,c,& e) are calculated by the NMCRIS Map Service

USGS 7.5' Topographic Map(s)

Map Name	USGS Quad Code
Big Sinks, NM	32103-B7

County(ies)

County	FIPS
EDDY	35015

Legal Description

Unplatted	Township (N/S)	Range (E/W)	Section
No	T24S	R30E	12

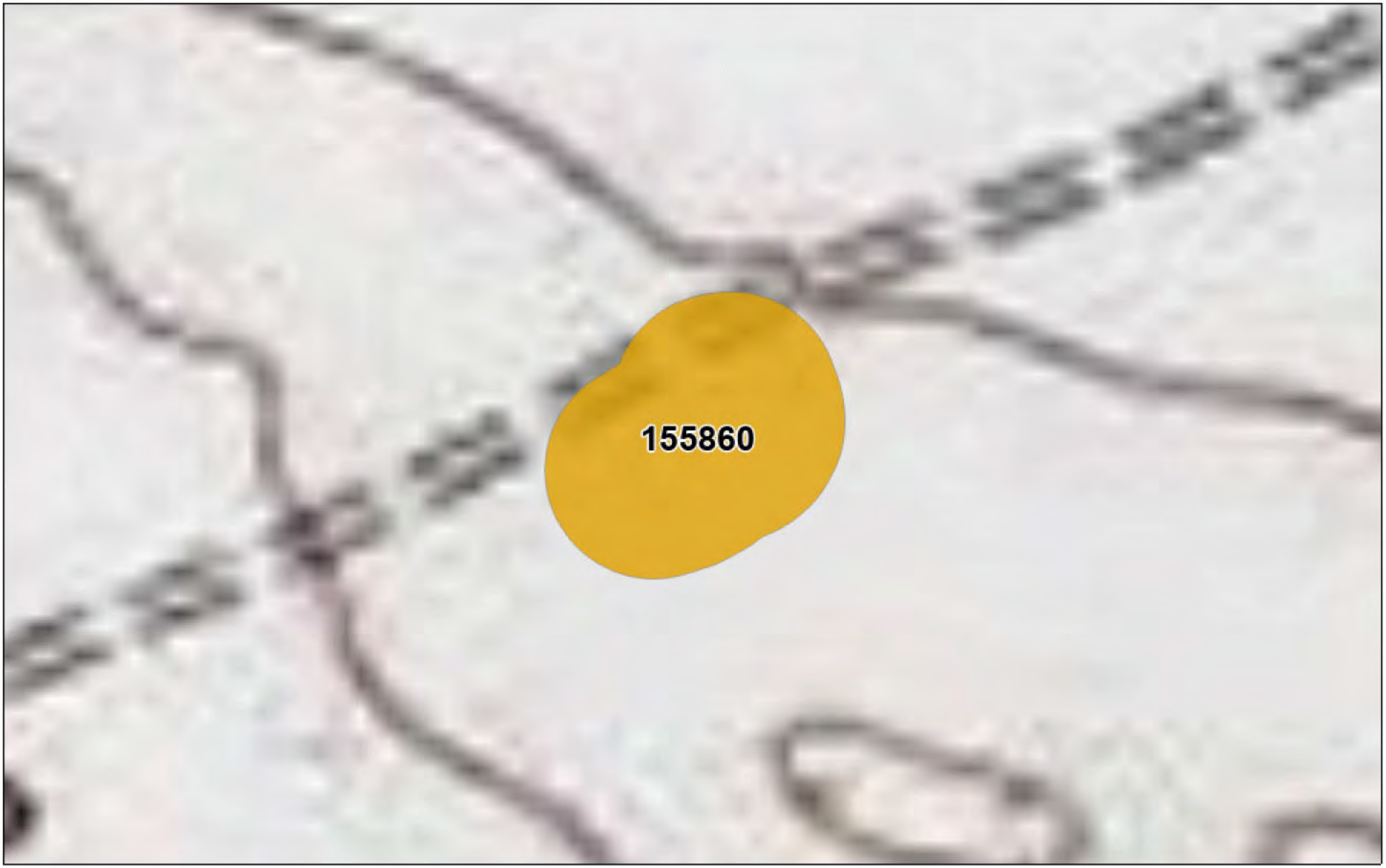
Projected Legal Description

No

Nearest City or Town: Loving, NM

Other Description:

NMCRIS No: 155860



6/21/2024, 11:47:21 AM

Archaeological Surveys

Proposed

1:1,833

0 0.01 0.03 0.05 mi

0 0.02 0.04 0.08 km

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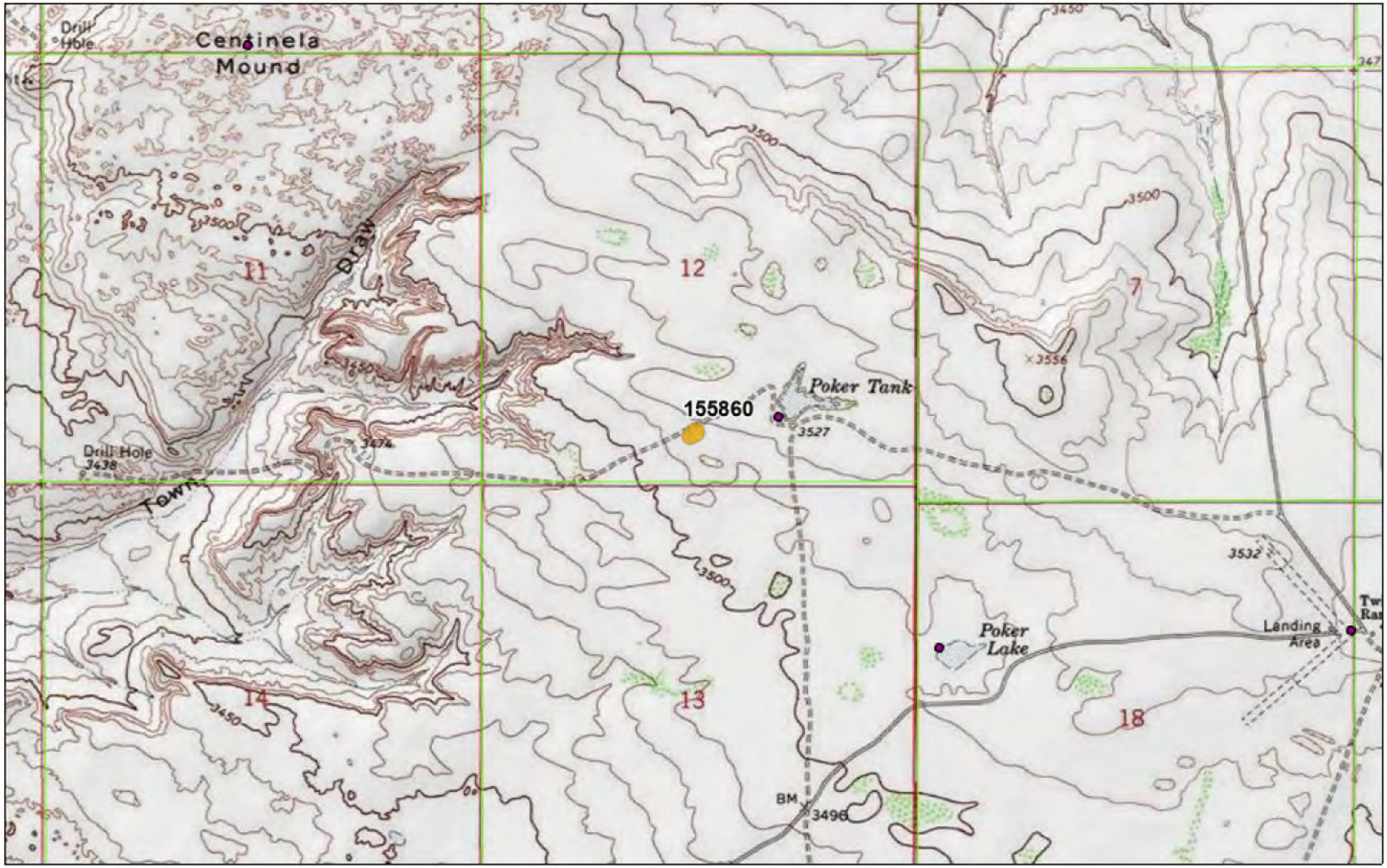
NMCRIS No: 155860



6/21/2024, 11:47:21 AM

Archaeological Surveys

Proposed

1:24,000

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

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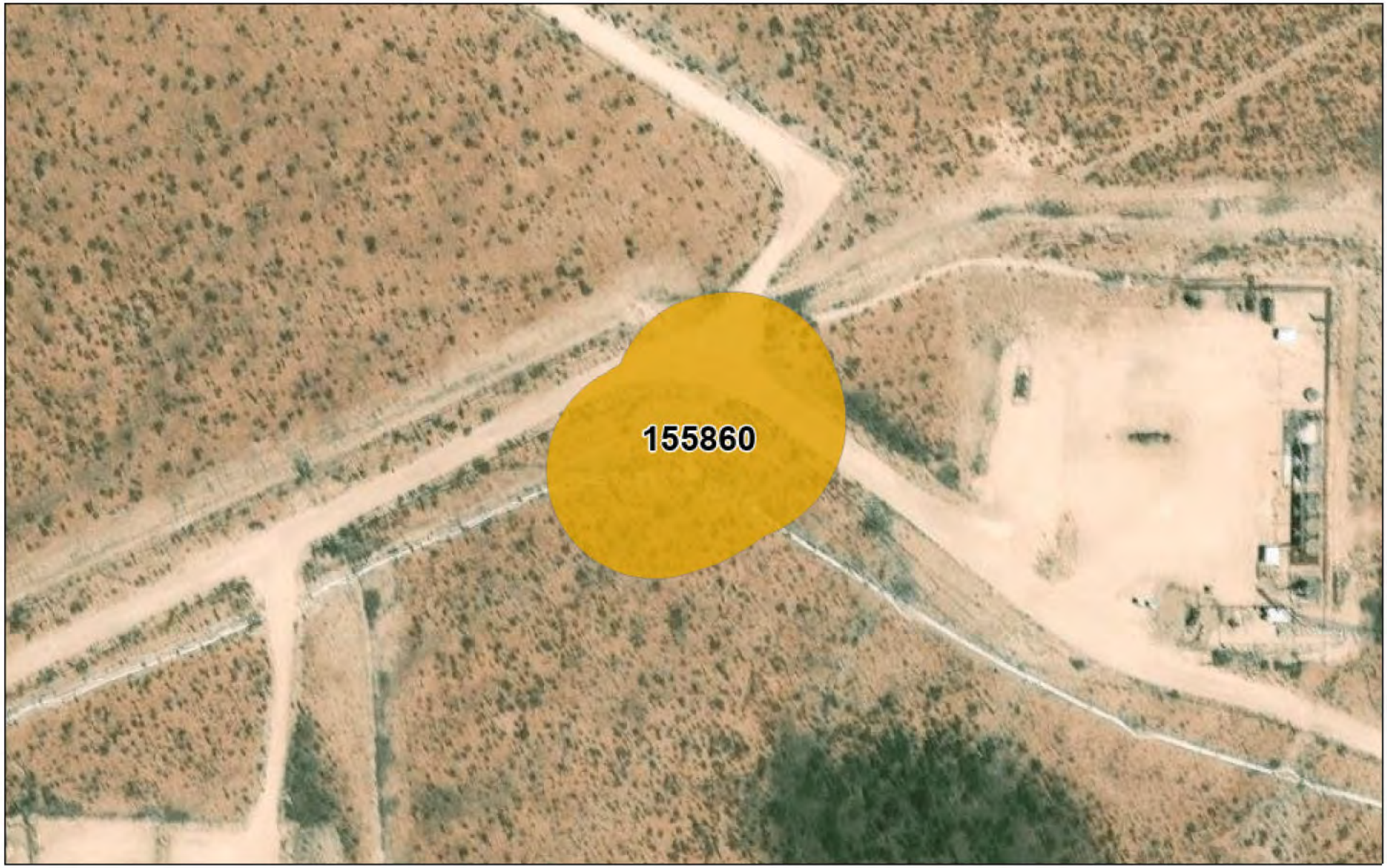
NMCRIS No: 155860



6/21/2024, 11:47:21 AM

Archaeological Surveys

Proposed

1:1,833

0 0.01 0.03 0.05 mi

0 0.02 0.04 0.08 km

Maxar, Microsoft

NMCRIS No: 155860

6/21/2024, 11:47:21 AM

Archaeological Surveys

Proposed

1:24,000

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Maxar

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Methodology

Survey Field Methods

Intensity: 100% coverage

Configuration: ☑ Block Survey Units ☐ Linear Survey Units (l x y)

Other Survey Units

Scope: All Resources

Coverage Method: ☑ Systematic Pedestrian Coverage **Other Method:**

Survey Interval (m): 15 **Crew Size** 1

Fieldwork Dates **From** 14-Jun-2024 **To** 14-Jun-2024

Survey Person Hours: 1.00 **Recording Person Hours** 0.00

Additional Narrative: SWCA surveyed a 100 feet (30 meter) buffer from the edge of inadvertent release boundary for remediation activities for a total survey footprint of 1.27 acres (0.51 ha) on BLM CFO-managed land.

Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.)

Environmental Setting: The survey area is within the Chihuahuan Deserts (24): Chihuahuan Basins and Playas (24a) ecoregion (Griffith et al 2006). The physiography of the region is generally characterized by a basin and range terrain and alternating pattern of mountains and valleys along with alluvial fans, internally drained basins, and river valleys (Griffith et al 2006). The elevation of the survey area is 3,517 feet (1,071 m) above mean sea level. Vegetation can include creosotebush, tarbush, fourwing saltbush, acacia, gyp grama, and alkali sacaton (Griffith et al 2006; Whitehead and Flynn 2017). Plants observed during the survey include mesquite, creosote, javalina bush, acacia, crucifixion thorn, croton, snakeweed, narrow leaf yucca, prickly pear and horse crippler cacti, and various other grasses and forbs. Mesquite was an important resource for prehistoric peoples in the area. Many of the other typical grasses and plants were prehistorically collected for both subsistence and non-subsistence use.

Wildlife in Eddy County totals approximately 939 species of mammals, birds, reptiles, fish, mollusks, amphibians, crustaceans, arachnids, centipedes, millipedes, grasshoppers and crickets (Biota Information System of New Mexico 2024). Bison, pronghorn, mule deer, and rabbits were all important resources prehistorically.

The geology of the survey area consists of piedmont alluvial of the Holocene to lower Pleistocene (Qp) that includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. One soil type occurs within the survey area: Simona-Bippus complex, 0 to 5 percent slopes (SM) (Natural Resources Conservation Service 2024).

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Methodology

The climate information for the survey area was compiled using the Carlsbad, New Mexico (291469) climate station data (period of record February 1, 1900, to June 10, 2016). Rainfall for the general area is most abundant from May through October, averaging 24.86 cm (9.79 inches) with September having the heaviest average precipitation. Snowfall is expectedly heaviest in December and January and can fall from December to March; annual snowfall average is 8.89 cm (1.13 inch). Temperatures are coldest in January at -2.2 degrees Celsius (°C) (27.8 degrees Fahrenheit [°F]) and warmest in July at 35.7°C (95.6 °F) (Western Regional Climate Center 2024).

Biota Information System of New Mexico
2024 Database query for Eddy County. Available at: http://www.bison- m.org/. Accessed June 2024.

Griffith, Glen E., James M. Omernik, Maryann M. McGraw, Gerald Z. Jacobi, Christopher M. Canavan, T. Scott Schrader, David Mercer, Robert Hill, and Brian C. Moran
2006 Ecoregions of New Mexico. Color poster with map, descriptive text, summary tables, and photographs. Scale1:1,400,000. Reston, Virginia: U.S. Geological Survey.

Natural Resources Conservation Service
2024 Web Soil Survey. Available at: http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm. Accessed June 2024.

Western Regional Climate Center
2024 Climate summary for Carlsbad, New Mexico (291469). Available at: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?nm1469. Accessed June, 2024.

Whitehead, William, and Conor Flynn
2017 Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology. Bureau of Land Management, Carlsbad Field Office, New Mexico.

Percent Ground Visibility

Ground Visibility: 51-75%

Condition of Survey Area: The survey area is heavily disturbed by oil and gas activities including several surface polyline and metal pipelines, a buried pipeline crown, two access roads, an overhead transmission line, and an active well pad with storage tanks to the northeast. The remains of a culvert were found in the NW section of the survey area beneath the north access road. Contemporary trash is scattered throughout the survey area.

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Methodology

Attachments (check all appropriate boxes)

- [x] USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- [x] Copy of NMCRIS Map Check (required)
- [ ] LA Site Forms - new sites (with sketch map & topographic map) if applicable
- [ ] LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)
- [ ] Historic Cultural Property Inventory Forms, if applicable
- [ ] List and Description of Isolates, if applicable
- [ ] List and Description of Collections, if applicable

Other Attachments

- [x] Photographs and Log
- [x] Other attachments **Describe:** BLM CFO Fieldwork Authorization Form

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Cultural Resource Findings

Investigation Results

Archaeological Sites Discovered and Registered:	0
Archaeological Sites Discovered and NOT Registered:	0
Previously Recorded Archaeological Sites Revisited (site update form required):	0
Previously Recorded Archaeological Sites Not Relocated (site update form required):	0
Total Archaeological Sites (visited & recorded):	0
Total Isolates Recorded:	0
	☑ Non-Selective Isolate Recording
HCPI Properties Discovered and Registered:	0
HCPI Properties Discovered And NOT Registered:	0
Previously Recorded HCPI Properties Revisited:	0
Previously Recorded HCPI Properties NOT Relocated:	0
Total HCPI Properties (visited & recorded, including acequias):	0

If No Cultural Resources Found, Discuss Why: The survey area is small and heavily disturbed by surface and buried pipelines, graded roads, and nearby well pads.

Management Summary

Summary: SWCA completed an intensive pedestrian survey for the XTO Poker Lake Unit 328H inadvertent pipeline release remediation project in Eddy County, NM. SWCA surveyed a 100 feet (30 meter) buffer from the edge of inadvertent release boundary for remediation activities for a total survey footprint of 1.27 acres (0.51 ha) on BLM CFO-managed land. No archaeological sites, historic properties, or isolated occurrences were observed during the current investigation.

No additional investigation or treatment is recommended regarding the current undertaking. If subsurface cultural materials are encountered during remediation, all work should cease, and the BLM CFO should be notified immediately.

In accordance with Section 106 of the National Historic Preservation Act (Public Law 89-665), as amended a cultural resources inventory was completed to located, identify, and record any cultural resources that may be affected within the area of potential effects (APE) of the proposed project, and provide recommendations regarding their eligibility for the listing in the National Register of Historic Places (NRHP).

Report run on: Jun 21, 2024 11:47 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 155860 **HPD Log No(s).**

Attachments

Documents

Attachment Type	Description	Name	File Type	Upload Date	Upload By
Report/Manuscript	NIAF 155860	NMCRIS_155860	PDF document	21-Jun-2024	Adolfo Muniz

Figure 1. Overview of survey area from northern boundary, facing south (Frame T13-6725).

Figure 2. Overview of survey area from southwestern boundary, facing east (Frame T13-6917).

Figure 3. Overview of survey area from southern boundary, facing northwest (Frame T18-1625).

Figure 4. Overview of inadvertent release and source, facing north (Frame T13-6647).

Figure 5. Overview of the release in the southwestern section, facing north (Frame T13-7846).

Figure 6. NMCRIS records search. The inadvertent release is marked by the yellow polygon. The remediation buffer is represented by the green polygon. The brown polygons represent previous investigations (expired). The red polygons represent a previously recorded cultural resource.

Table 1. Project Photos of the Survey Area

Photo Frame	Site No.	Caption	Photo Type	Orientation
T13-6725	N/A	Overview of survey area from northern boundary	Survey Area	Facing South
T13-6917	N/A	Overview of survey area from western boundary	Survey Area	Facing East
T13-1625	N/A	Overview of survey area from southern boundary	Survey Area	Facing Northwest
T13-6647	N/A	Overview of inadvertent release and source	Release Area	Facing North
T13-7846	N/A	Overview of the release in the southwestern section	Release Area	Facing North

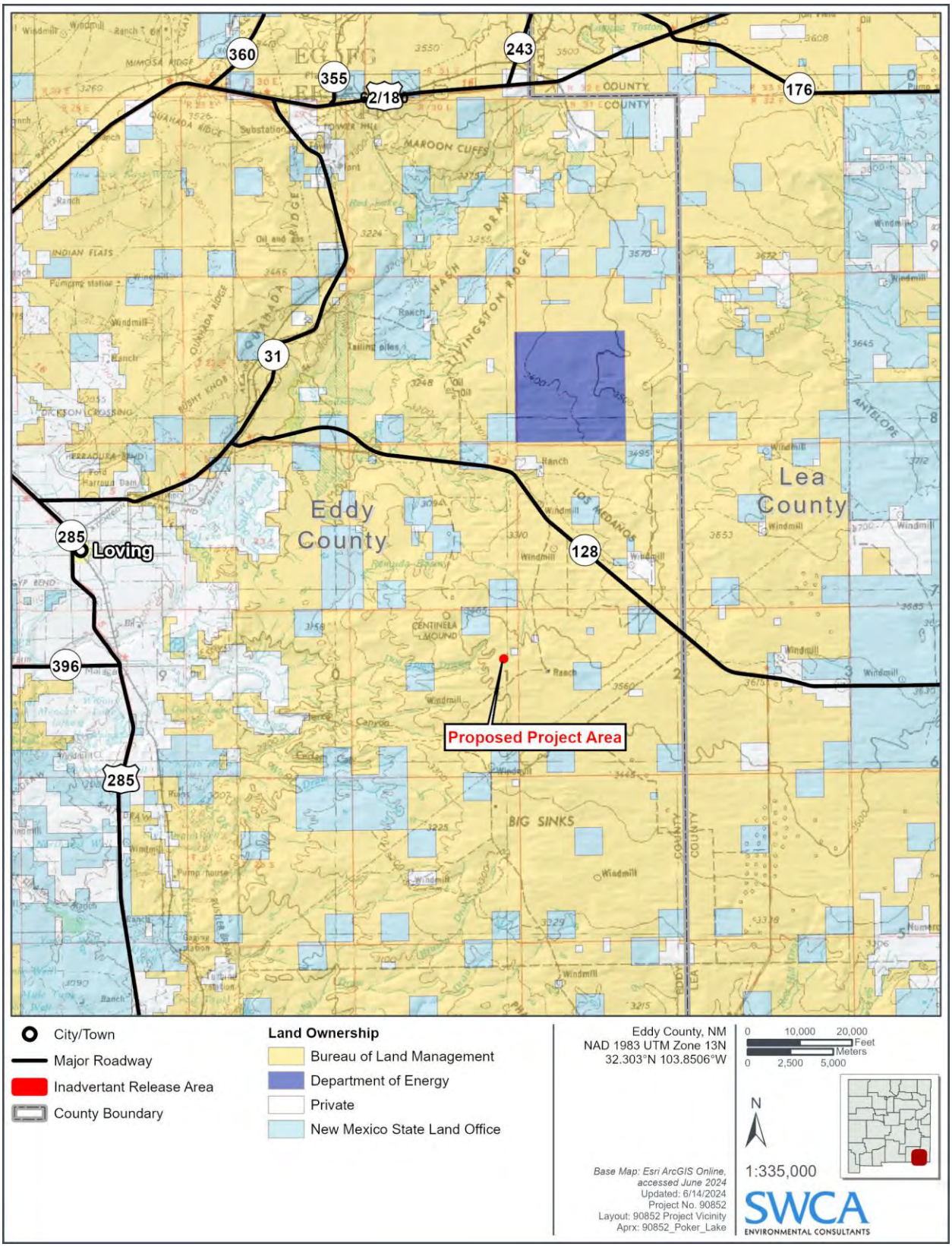


Figure 7. Project vicinity map.

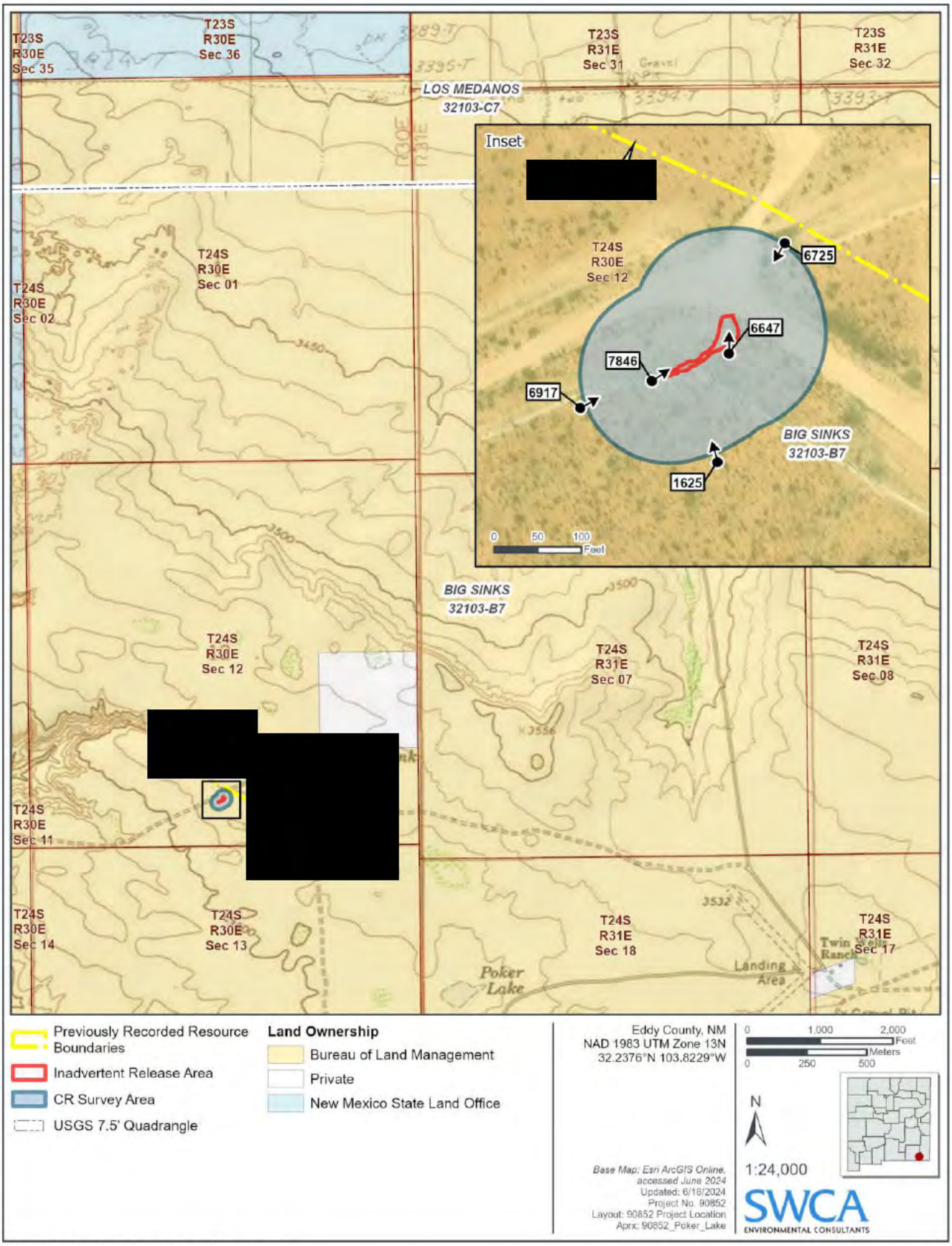


Figure 8. Project location map.

Form 8151-3

United States
Department of the Interior
Bureau of Land Management

INFORMATION
REQUIREMENT
APPROVED
OMB NO. 1024-0037

FIELDWORK AUTHORIZATION REQUEST

For BLM Use Only

To Conduct Specific Cultural Resource Work under the Authority of a Cultural Resource Use Permit Issued by the Bureau of Land Management Pursuant to Sec. 302 (b) of P. L. 94-579, October 21, 1976, 43 USC 1732 Sec. 4 of P. L. 96-95, October 31, 1979, 16 USC, 470cc

1. Permit Number and Date Issued **110-2920-23-GGGG (2/2/2024-12/31/2026)**

2. Name of Permittee **Ad Muniz**

3. Mailing Address and Telephone Number

Address: **SWCA Environmental Consultants**
5647 Jefferson St. NE
Albuquerque, New Mexico 87109

Telephone [(xxx) xxx-xxxx]: **(505) 254-1115**

4. Nature of Cultural Resources Work Proposed (if Consultation Work, Identify Client and Project)

Client: ETech Environmental and Safety Solutions, Inc.
Project: Cultural survey for XTO's Poker Lake Unit 328H Inadvertent Release Remediation

5. Location of Proposed Work (Include Map)
a. Description of Public Lands Involved

SE New Mexico, BLM CFO in Eddy County, NM
T24S R30E S12

b. Identification of Cultural Resource(s) Involved (if applicable)

[redacted]
Client is requesting a 100 ft buffer around the spill for remediation activities.

6. Period During Which Work Will Be Conducted

From [mm/dd/yy]: **6/17/24**

To [mm/dd/yy]: **6/17/24**

7. Name of Individual(s) Responsible for Planning and Supervising Fieldwork and Approving Report, Evaluations, and Recommendations

Ad Muniz - Project Manager and Field Supervisor

8. Signature **Ad Muniz** *Ad Muniz*

9. Date [mm/dd/yy]: 6/13/24

10. Approved
Jason M. Whitaker
(Authorized Officer)

11. Date [mm/dd/yy]:
06/13/2024

Submit one copy of each request, by mail, FAX, or in person to the Field Office Manager in the BLM Field Office with administrative jurisdiction over the public lands involved.

Figure 9. BLM CFO Fieldwork Authorization Form.

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

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

QUESTIONS

Action 382199

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 382199
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2409947565**
Incident Name	**NAPP2409947565 PLU 328 @ 0**
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	PLU 328
Date Release Discovered	03/25/2024
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 | Flow Line - Production | Produced Water | Released: 9 BBL | Recovered: 0 BBL | Lost: 9 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)	External factors - traffic driving over lines caused wear and tear

District I
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 382199
	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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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	*Not answered.*
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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/10/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 382199
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
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.	
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	U.S. Geological Survey
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 300 and 500 (ft.)
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 1000 (ft.) and ½ (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 300 and 500 (ft.)
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 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	20000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2500
GRO+DRO (EPA SW-846 Method 8015M)	1000
BTEX (EPA SW-846 Method 8021B or 8260B)	10
Benzene (EPA SW-846 Method 8021B or 8260B)	50
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.	
On what estimated date will the remediation commence	06/20/2024
On what date will (or did) the final sampling or liner inspection occur	06/26/2024
On what date will (or was) the remediation complete(d)	07/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2314
What is the estimated volume (in cubic yards) that will be remediated	300
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.	
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.	

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QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
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.*
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 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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/10/2024
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.	

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QUESTIONS (continued)

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	Action Number: 382199
	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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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**356717**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/27/2024**
What was the (estimated) number of samples that were to be gathered	**12**
What was the sampling surface area in square feet	**1034**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
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	2314
What was the total volume (cubic yards) remediated	300
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	2314
What was the total volume (in cubic yards) reclaimed	300
Summarize any additional remediation activities not included by answers (above)	On June 28, 2024, in accordance with NMOCD requirements, a 5-point composite soil sample (Stockpile) 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. From June 28 to July 1, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Stockpile) emplaced at or near original relative positions. The affected areas were 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, pipeline rights-of-way, and/or lease roads will be revegetated with an agency and/or landowner-approved seed mixture at a time conducive to germination. The seed mixture will be certified to be free of noxious weeds and will be installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.
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 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.

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/10/2024

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QUESTIONS (continued)

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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 382199

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
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CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2409947565 PLU 328, thank you. This Remediation Closure Report is approved.	10/1/2024