Amended Remediation Summary & Soil Closure Request

XTO Energy, Inc.
Hat Mesa 32 State 001 Battery 1,2,3
Lea County, New Mexico
Unit Letter "B", Section 31, Township 20 South, Range 33 East
Latitude 32.535066 North, Longitude 103.700738 West
NMOCD Reference No. nAPP2422651676

Prepared By:

Etech Environmental & Safety Solutions, Inc.
6309 Indiana Ave, Ste. D
Lubbock, Texas 79413

September 26, 2025

Ben J. Arguijo

Lance Crenshaw

ETECH Environmental & Safety Solutions, Inc.

Carlsbad ● Hobbs ● Houston ● Lubbock ● Lafayette ● Midland

TABLE OF CONTENTS

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of XTO Energy, Inc., has prepared this *Amended Remediation Summary & Soil Closure Request* for the release site known as the Hat Mesa 32 State 001 Battery 1,2,3 (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.535066 Longitude: -103.700738

Provided GPS are in WGS84 format.

Site Name:	Hat Mesa 32 State 001 Battery 1,2,3	Site Type:	Pump
Date Release Discovered:	8/4/2024	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"B"	31	20S	33E	Lea

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

Nature and Volume of Release

[X] Crude Oil	Volume Released (bbls) 14	Volume Recovered (bbls) 8
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[ ] Yes [ ] No [X] 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:
Equipment failure

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 Permitting 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?	OCD Imaging Records Lookup
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 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution or church?	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between ½ and 1 (mi.)
Any other fresh water well or spring?	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Greater than 5 (mi.)
A wetland?	Between ½ and 1 (mi.)
A subsurface mine?	Between 1 and 5 (mi.)
A (non-karst) unstable area?	Between 1 and 5 (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Greater than 5 (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 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 NMSLO and 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.

The release was confined to the containment area of an active tank battery and did not impact the adjacent pasture. Since remediation activities did not "involve new surface disturbing activity outside the authorized boundaries of any existing roads, rights of way, well pads, associated oil and gas facilities or other structures", it was inferred that said activities are/were exempt from the acknowledgment, archaeological records inspection/survey, and compliance measures requirements of the Cultural Properties Protection Rule, pursuant to Subsections 19.2.24.10.A. and 19.2.24.10.A.(8) of the New Mexico Administrative Code (NMAC).

The FWS *Information for Planning and Consultation* (IPaC) project planning tool was used to determine if the Site is located within any biologically sensitive areas or critical habitats. The IPaC summary report indicated that "no critical habitats are present at this location"; therefore, it was inferred that no timing restrictions on remediation activities or other considerations related to protected species and/or habitats were applicable. The IPaC summary report is included 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 Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standards*‡
Between 51 and 75 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	10,000	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 NMAC

‡ The NMOCD Reclamation Standards apply only to the top 4' of soil in non-production areas, pursuant to Subsection 19.15.29.13 D.(1) NMAC.

4.0 REMEDIATION ACTIVITIES SUMMARY

On September 11, 2024, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria 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. 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.

On September 13, 2024, Etech collected 12 confirmation soil samples (FL 1 @ 2' through FL 6 @ 2', NW 1 @ 6", NW 2 @ 6", EW 1 @ 6", SW 1 @ 6", WW 1 @ 6", and WW 2 @ 6") from the floor and sidewalls of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that benzene concentrations and total BTEX concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples, with the exception of soil sample WW 2 @ 6", which exceeded the NMOCD Closure Criterion for BTEX. GRO+DRO concentrations exceeded the NMOCD Closure Criterion in soil samples FL 2 @ 2' through FL 6 @ 2', NW 1 @ 6", NW 2 @ 6", WW 1 @ 6", and WW 2 @ 6". TPH concentrations exceeded the NMOCD Closure Criterion in soil samples FL 2 @ 2' through FL 5 @ 1', NW 1 @ 6", NW 2 @ 6", WW 1 @ 6", and WW 2 @ 6". Chloride concentrations were less than the NMOCD Closure Criterion in each of the submitted soil samples.

Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 2 @ 2' through FL 6 @ 2', NW 1 @ 6", NW 2 @ 6", WW 1 @ 6", and WW 2 @ 6".

On September 16, 2024, in an effort to further investigate the vertical extent of impacted soil, Etech advanced a test trench (TT 1) within the release margins, in the area characterized by soil sample FL 3 @ 1'. The trench was advanced to a total depth of approximately five (5) feet bgs. During the advancement of the test trench, soil samples were collected at one-foot increments and field-screened for concentrations of chloride utilizing a Hach Quantab ® chloride test kit and/or the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses.

Based on field observations and field test results, six (6) delineation soil samples (TT 1 @ Surf through TT 1 @ 5') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and did not extend beyond four (4) feet bgs.

On September 17, 2024, Etech collected nine (9) confirmation soil samples (FL 2 @ 3.5' through FL 6 @ 3.5', NW 1A @ 6", NW 2A @ 6", WW 1A @ 6", and WW 2A @ 6") from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On November 8, 2024, based on laboratory analytical results and field activities conducted to that point, a *Remediation Summary & Soil Closure Request* was submitted to the NMOCD requesting regulatory closure of the release. The closure request was subsequently denied by the NMOCD on December 18, 2024, on the basis that sidewall samples EW 1 and SW 1 were not remediated to the NMOCD Reclamation Standards of 100 mg/kg TPH and 600 mg/kg chloride.

On January 20, 2025, Etech returned to the Site. In accordance with the NMOCD, the excavation was further advanced in the areas characterized by sidewall samples EW 1 and SW 1, and two (2) confirmation soil samples (EW 1A @ 6" and SW 1A @ 6") were collected from the newly excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On August 21, 2025, based on laboratory analytical results and field activities conducted to that point, a *Remediation Summary & Amended Soil Closure Request* was submitted to the NMOCD requesting regulatory closure of the release. The closure request was subsequently denied by the NMOCD on September 24, 2025, on the basis that at least one representative 5-point composite sample was required from the backfill material used for reclamation of the top four feet of the excavation.

A 5-point composite soil sample (Ballard Topsoil Pit) was collected at the nearby Ballard borrow pit on May 16, 2024, to ensure that material obtained from the pit was suitable for use as backfill at remediation/reclamation sites in the area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards and confirmed that material obtained from the Ballard Pit was acceptable for use as backfill.

The final dimensions of the excavated area were approximately 14 to 40 feet in length, 4 to 58 feet in width, and 2 to 3.5 feet in depth. During the course of remediation activities, Etech transported approximately 113 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 128 cubic yards of non-impacted material from the Ballard Pit 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 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

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria 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.

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

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

The release was limited to the containment area of an active tank battery and did not impact the adjacent pasture. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the location. The reclaimed area will be revegetated with an agency and/or landowner-approved seed mix during the first favorable growing season following closure of the facility. The seed mix will be certified as weed-free and 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 *Amended 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

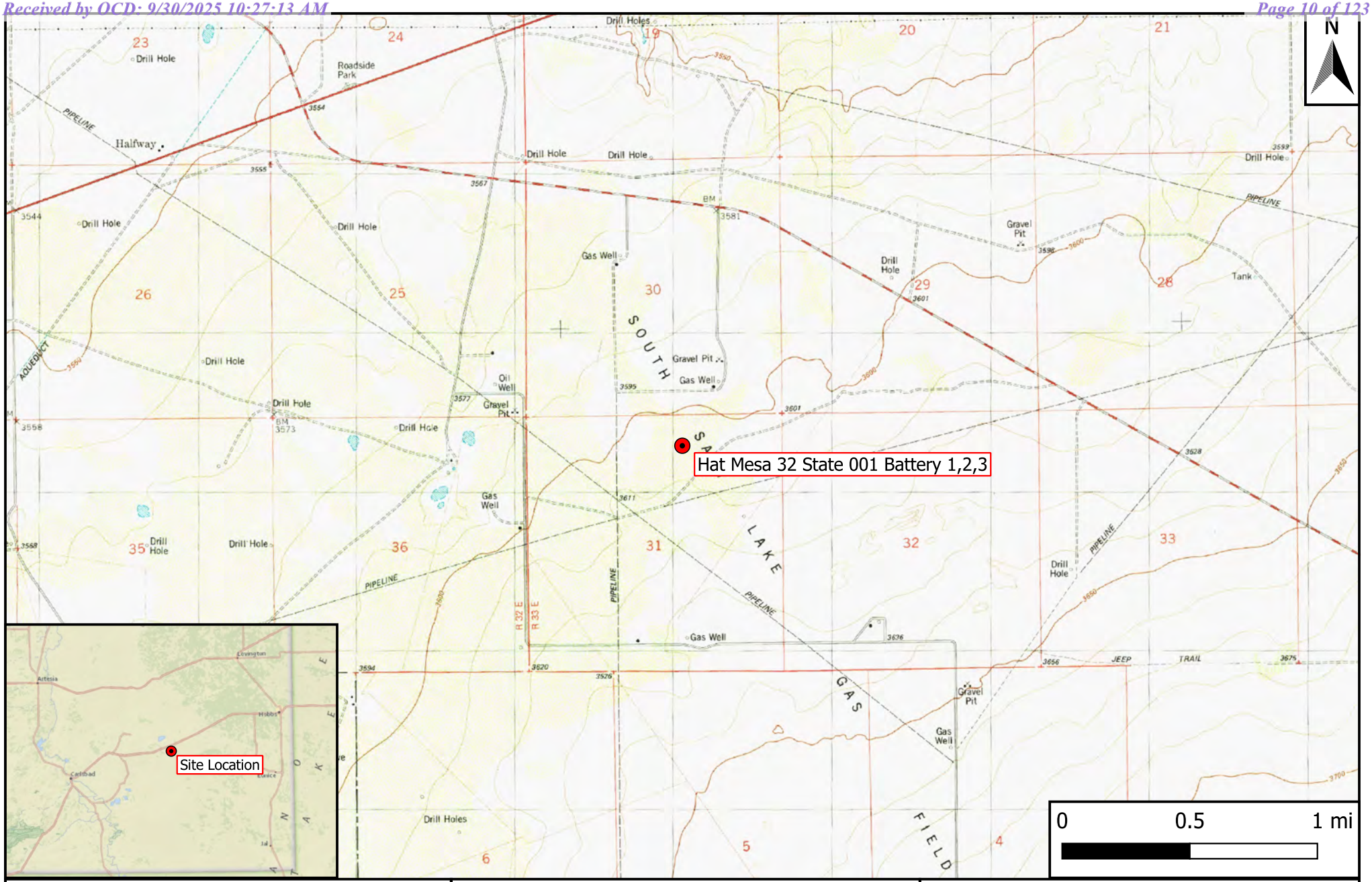
XTO Energy, Inc.
3104 E. Greene St.
Carlsbad, NM 88220

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

Hobbs Field Office
New Mexico State Land Office
2827 North Dal Paso Street
Suite 117
Hobbs, NM 88240

(Electronic Submission)

Figure 1
Site Location Map



Legend

- Site Location

Figure 1
Site Location Map
XTO Energy, Inc.
Hat Mesa 32 State 001 Battery 1,2,3
GPS: 32.535066, -103.700738
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 9/20/24

Figures 2A & 2B
Site Characterization Maps

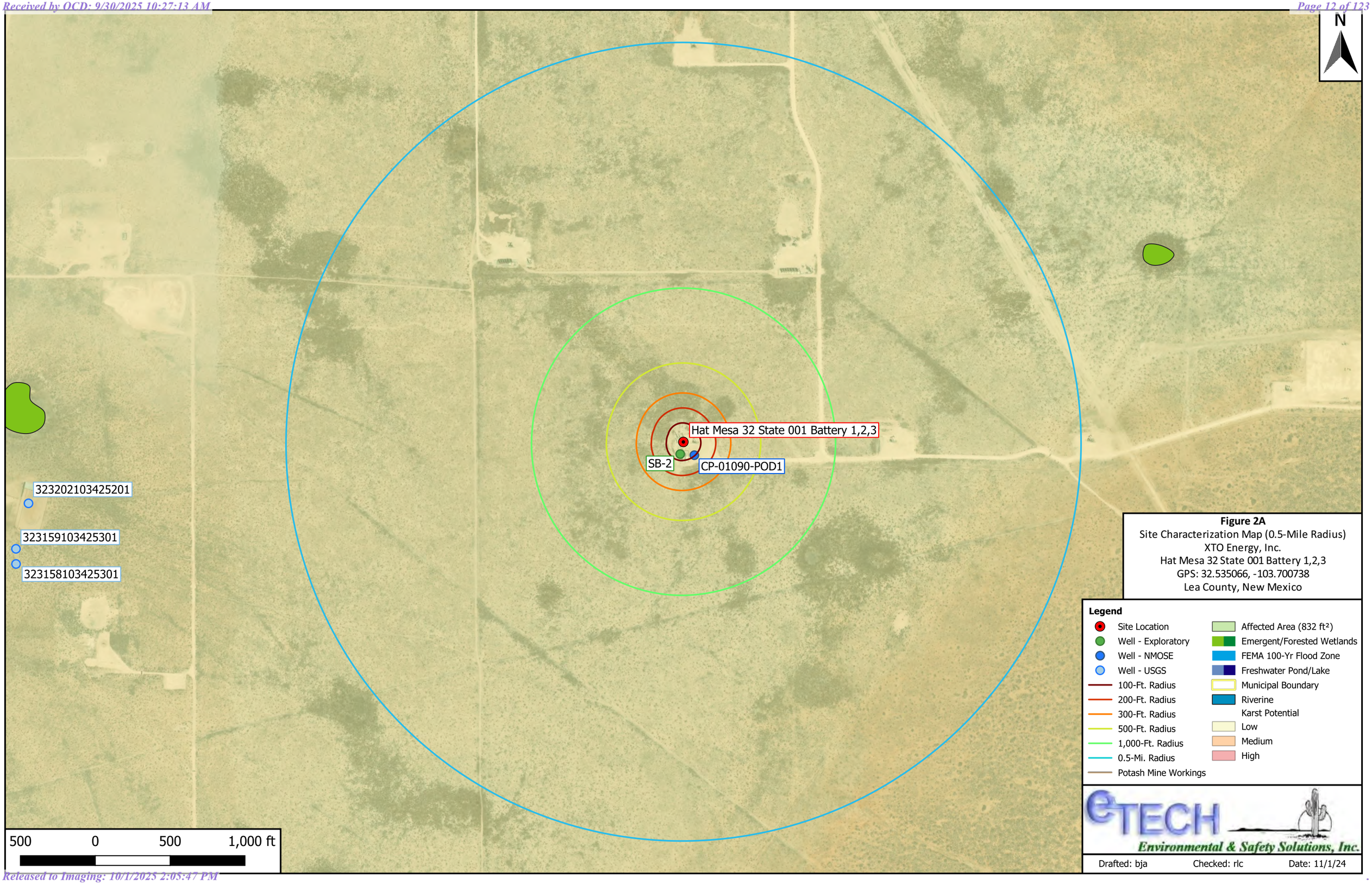


Figure 2A
Site Characterization Map (0.5-Mile Radius)
XTO Energy, Inc.
Hat Mesa 32 State 001 Battery 1,2,3
GPS: 32.535066, -103.700738
Lea County, New Mexico

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 (832 ft²)
- 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: 11/1/24

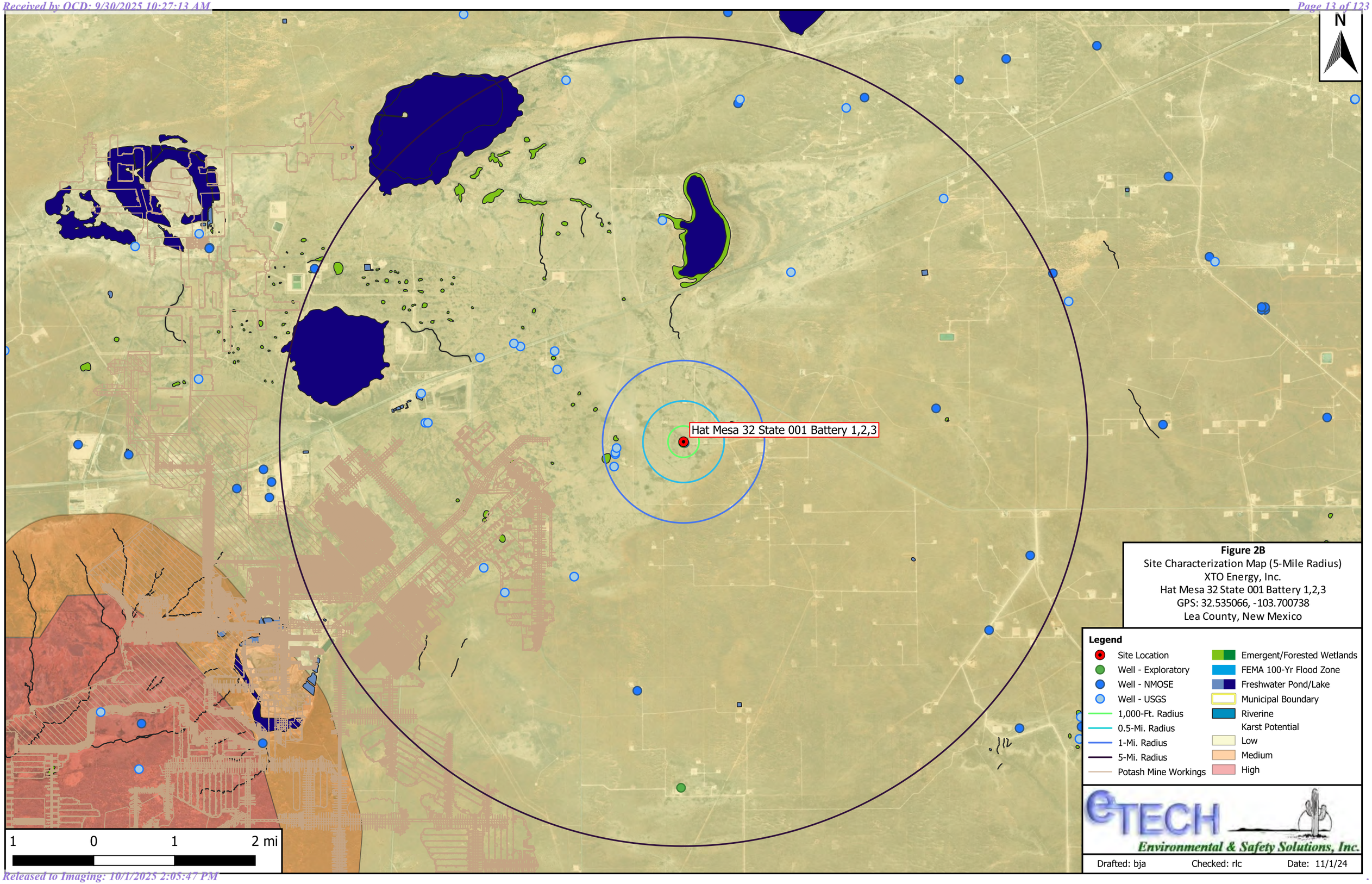
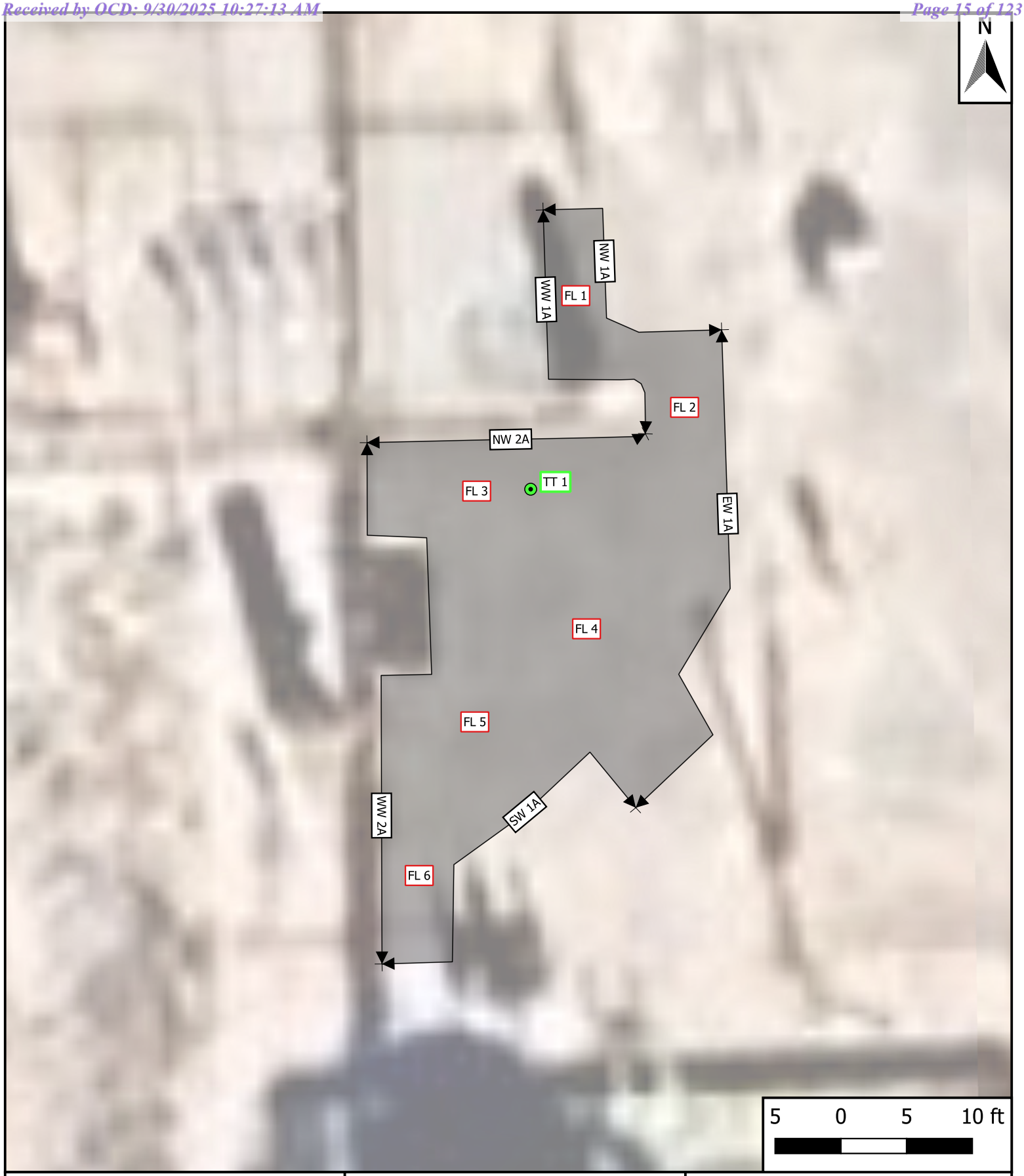

N
Hat Mesa 32 State 001 Battery 1,2,3
1 0 1 2 mi
Figure 2B
Site Characterization Map (5-Mile Radius)
XTO Energy, Inc.
Hat Mesa 32 State 001 Battery 1,2,3
GPS: 32.535066, -103.700738
Lea County, New Mexico
Legend
Site Location
Well - Exploratory
Well - NMOSE
Well - USGS
1,000-Ft. Radius
0.5-Mi. Radius
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: 11/1/24

Figure 3
Sample Location Map



Legend

- Excavated Area (844 ft²)
- Composite Floor Sample
- Composite Wall Sample
- Test Trench

Figure 3
Sample Location Map
XTO Energy, Inc.
Hat Mesa 32 State 001 Battery 1,2,3
GPS: 32.535066, -103.700738
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Created: bja Checked: rlc Date: 4/15/25

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

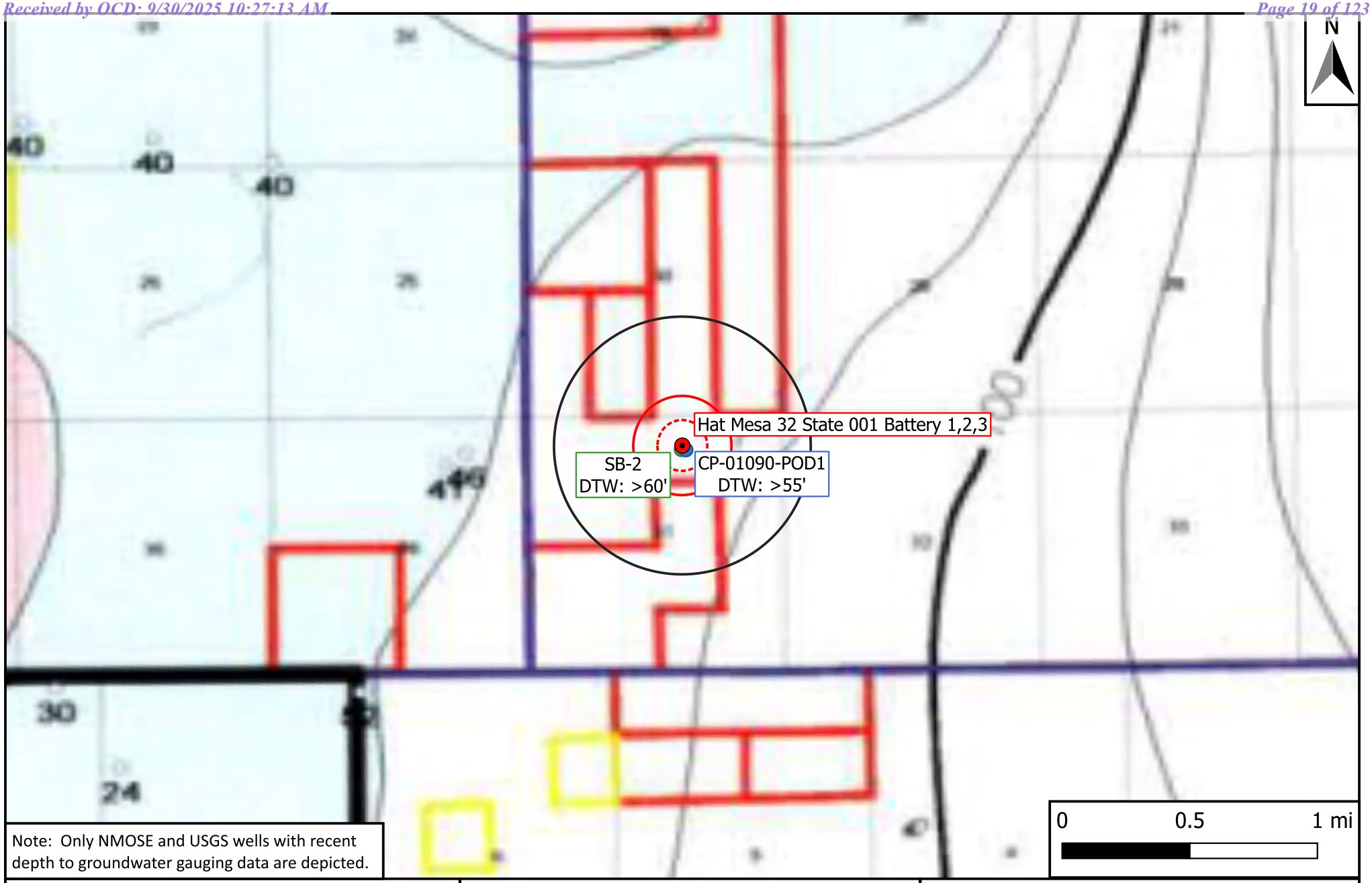
Table 1
Concentrations of BTEX, TPH & Chloride in Soil
XTO Energy, Inc.
Hat Mesa 32 State 001 Battery 1,2,3
NMOCD Ref. #: nAPP2422651676

NMOCD Closure Criteria					10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
					SW 846 8021B		SW 846 8015M Ext.					4500 Cl
Sample ID	Date	Depth (Feet)	Type	Soil Status	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)
TT 1 @ Surf	9/16/2024	0	D	Excavated	<0.050	24.3	1,640	37,900	**39,500**	7,490	**47,000**	240
TT 1 @ 1'	9/16/2024	1	D	Excavated	<0.050	<0.300	<10.0	1,110	**1,110**	378	1,490	1,040
TT 1 @ 2'	9/16/2024	2	D	Excavated	<0.050	<0.300	<10.0	224	224	63.4	287	80.0
TT 1 @ 3'	9/16/2024	3	D	Excavated	<0.050	<0.300	<10.0	1,400	**1,400**	411	1,810	960
TT 1 @ 4'	9/16/2024	4	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
TT 1 @ 5'	9/16/2024	5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 1 @ 2'	9/13/2024	2	C	In-Situ	<0.050	0.322	14.3	816	830	190	1,020	80.0
FL 2 @ 2'	9/13/2024	2	C	Excavated	<0.050	2.00	63.5	2,690	**2,750**	593	**3,350**	112
FL 2 @ 3.5'	9/17/2024	3.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 3 @ 1'	9/13/2024	1	C	Excavated	<0.050	0.614	<100	13,200	**13,200**	3,440	**16,600**	112
FL 3 @ 3.5'	9/17/2024	3.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 4 @ 2'	9/13/2024	2	C	Excavated	<0.050	0.736	44.2	3,650	**3,690**	827	**4,520**	80.0
FL 4 @ 3.5'	9/17/2024	3.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 5 @ 1'	9/13/2024	1	C	Excavated	<0.050	<0.300	<10.0	2,590	**2,590**	590	**3,180**	144
FL 5 @ 3.5'	9/17/2024	3.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 6 @ 2'	9/13/2024	2	C	Excavated	<0.050	0.512	17.3	1,340	**1,360**	288	1,650	64.0
FL 6 @ 3.5'	9/17/2024	3.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 1 @ 6"	9/13/2024	0.5	C	Excavated	<0.050	<0.300	64.4	10,500	**10,600**	2,140	**12,700**	80.0
NW 1A @ 6"	9/17/2024	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 2 @ 6"	9/13/2024	0.5	C	Excavated	<0.050	<0.300	<50.0	3,830	**3,830**	994	**4,820**	128
NW 2A @ 6"	9/17/2024	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 1 @ 6"	9/13/2024	0.5	C	Excavated	<0.050	<0.300	<10.0	377	377	90.1	467	256
EW 1A @ 6"	1/20/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 1 @ 6"	9/13/2024	0.5	C	Excavated	<0.050	<0.300	14.2	778	792	189	981	336
SW 1A @ 6"	1/20/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 1 @ 6"	9/13/2024	0.5	C	Excavated	<0.050	6.89	223	9,300	**9,520**	2,420	**11,900**	64.0
WW 1A @ 6"	9/17/2024	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 2 @ 6"	9/13/2024	0.5	C	Excavated	<1.00	**103**	2,810	21,400	**24,200**	3,950	**28,200**	672
WW 2A @ 6"	9/17/2024	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
Ballard Topsoil Pit	5/16/2024	N/A	F	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

A - Assessment
D - Delineation
C - Confirmation
R - Deferral
F - Backfill
B - Background
O - Other

Appendix A
Depth to Groundwater Information



Note: Only NMOSE and USGS wells with recent depth to groundwater gauging data are depicted.

Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 500-Foot Radius
- 1,000-Foot Radius
- 0.5-Mile Radius

Figure 4
Inferred Depth to Groundwater Map
XTO Energy, Inc.
Hat Mesa 32 State 001 Battery 1,2,3
GPS: 32.535066, -103.700738
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 11/1/24

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No report data available.

UTM Filters (in meters):

Easting: 622008.65
Northing: 3600490.30
Radius: 1610

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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1		CP-1090

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Corporation	405-318-4697

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 Seven Rivers Highway	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	36	39.32	N
	LONGITUDE	104	4	58.53	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

Unit Letter "N", Section 33, T19S, R29E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1755	John Norris	Hungry Horse, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/15/2022	7/15/2022		55	NA

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): NA

DATE STATIC MEASURED:

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

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)
			No Casing				

RECEIVED AUG 5 2022 PM 12

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
0	55	6	Bentonite grout	10.8	tremie

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	CP-01090	POD NO.	1	TRN NO.	602836
LOCATION	20S.33E.31.1.1.2	WELL TAG ID NO.		PAGE 1 OF 2	

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	20	20	Sand	Y ✓ N	
20	30	10	Caliche	Y ✓ N	
30	35	5	Clay	Y ✓ N	
35	55	20	Gypsum	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	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: Not tested

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: Borehole was drilled as per NMOCD. Drill a 55' borehole, wait 72 hours, then gauge for presence of water. No water was present so borehole was plugged.

OSE DII AUG 5 2022 PM 1:42

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

Dean Parent

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:

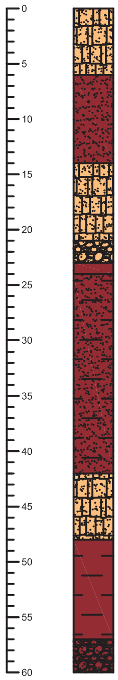
John Norris — 7/25/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-01090	POD NO. 1	TRN NO. 602836
LOCATION 20S.33E.31.1.1.2	WELL TAG ID NO.	PAGE 2 OF 2

Soil Boring SB-2



Depth Below Ground Surface	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain
5		(1.7)	Slight	None
10		(0.6)	None	None
15	1,580	0.4	None	None
20			None	None
25	1,580		None	None
30	(>3,072)		None	None
35	2,580		None	None
40	(2,580)		None	None
45	(1,772)		None	None
50	644		None	None
55	(366)		None	None
60	(172)		None	None

Soil Description

0' - 6' - Tan to brown fine sand; sandstone
6' - 14' - Red fine sand; sandstone
14' - 21' - Tan fine sand; sandstone
21' - 23' - Tan fine sand; sandstone; gravel
23' - 24' - Red fine sand; sandstone
24' - 42' - Red silty sand; clay
42' - 48' - Tan fine sand; sandstone
48' - 57' - Red silty clay
57' - 60' - Red fine sand; gravel

Boring SB-2

Date Drilled May 25, 2012
Thickness of Bentonite Seal 60 Ft
Depth of Exploratory Boring 60 Ft bgs
Depth to Groundwater
Ground Water Elevation

▼ (red) Indicates the PSH level measured on
▼ (blue) Indicates the groundwater level measured on
( ) Indicates samples selected for Laboratory Analysis.
PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1.) The soil boring was advanced on date using air rotary drilling techniques.
2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Soil Boring SB-2

BOPCO, LP
Hat Mesa State 31-32 Battery
Lea County, New Mexico

Basin Environmental Service Technologies, LLC
3100 Plains Hwy.
Lovington, NM 88260

Prep By: BJA	Checked By: BRB
June 21, 2012	

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 =
- 323158103425301

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

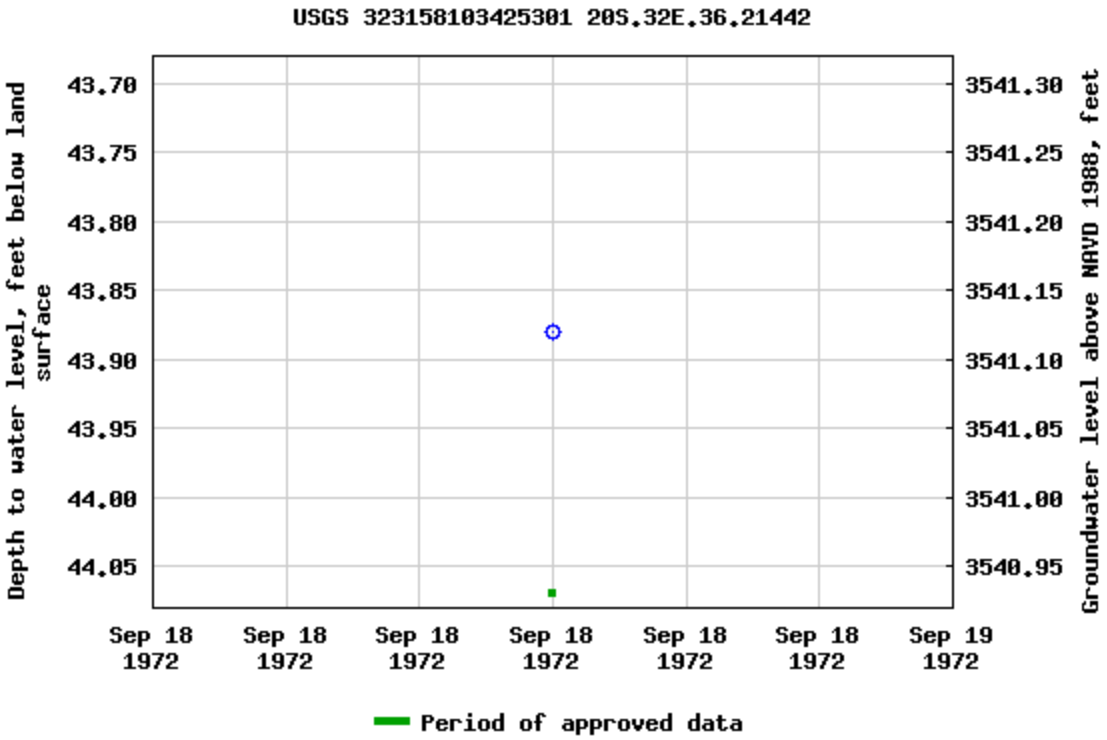
USGS 323158103425301 20S.32E.36.21442

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°31'58", Longitude 103°42'53" NAD27
Land-surface elevation 3,585 feet above NAVD88
The depth of the well is 50 feet below land surface.
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



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

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

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 =
- 323159103425301

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

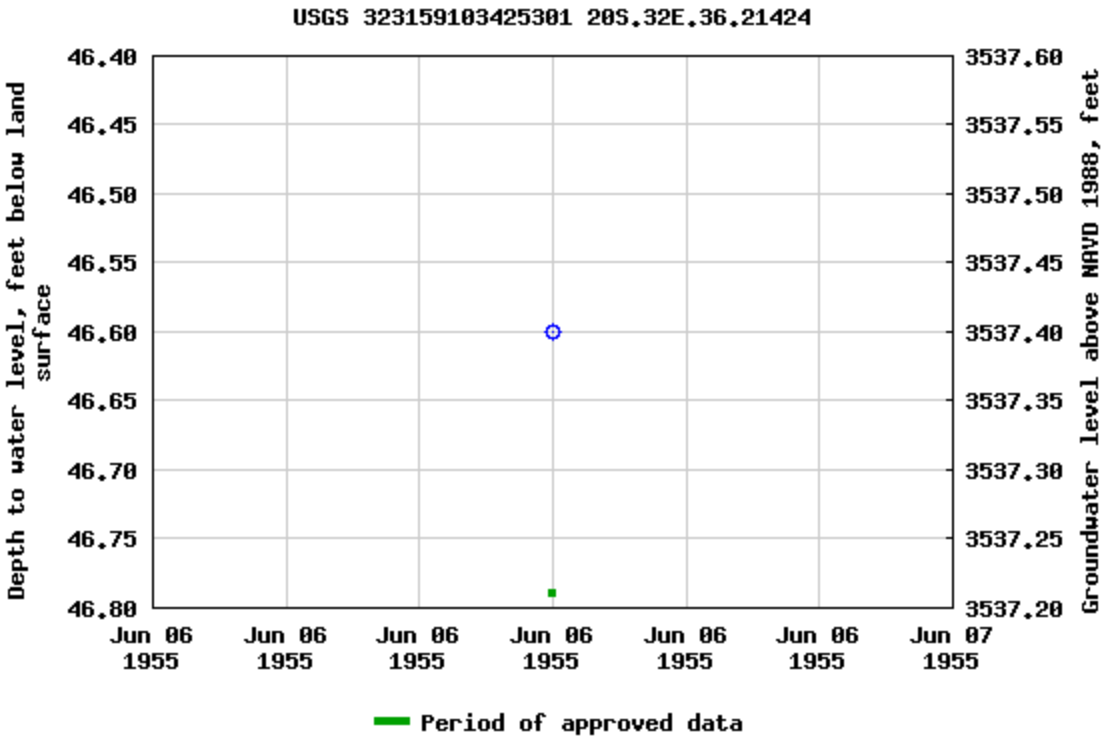
USGS 323159103425301 20S.32E.36.21424

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°31'59", Longitude 103°42'53" NAD27
Land-surface elevation 3,584 feet above NAVD88
The depth of the well is 60 feet below land surface.
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



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

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

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: 2024-08-16 11:56:53 EDT
0.72 0.52 nadww02

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 =
- 323202103425201

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

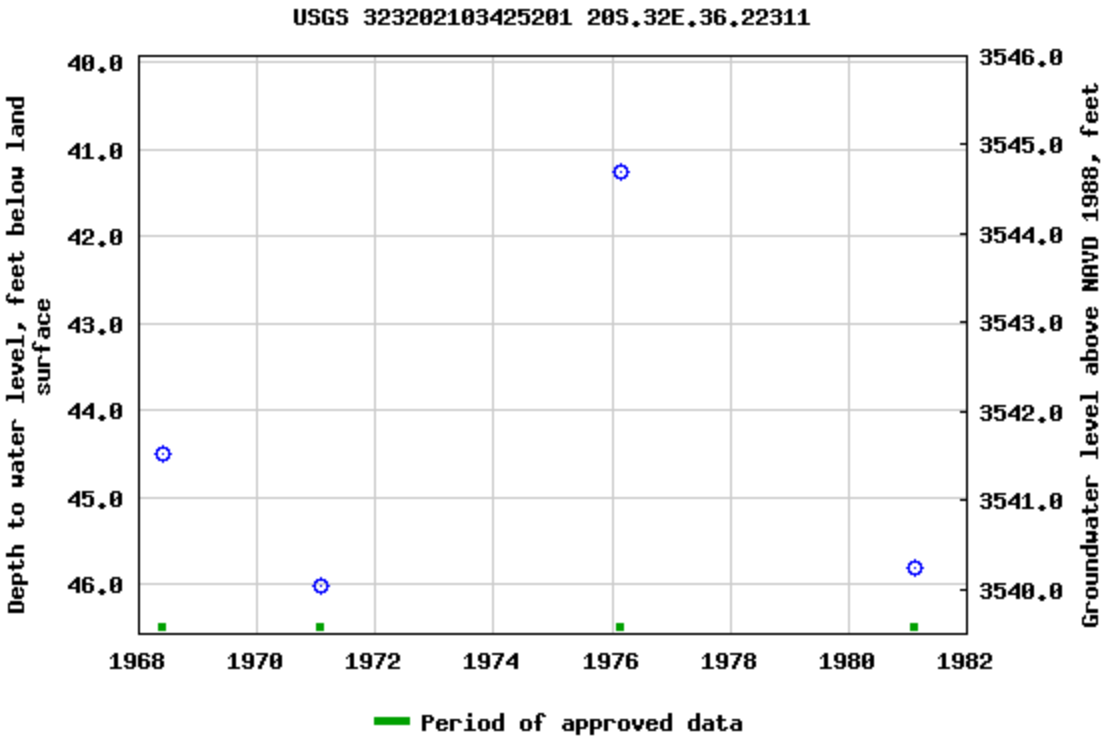
USGS 323202103425201 20S.32E.36.22311

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°32'02", Longitude 103°42'52" NAD27
Land-surface elevation 3,586 feet above NAVD88
The depth of the well is 65 feet below land surface.
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



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

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

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: 2024-08-16 11:56:54 EDT
0.73 0.53 nadww02

ADDENDUM

Location name: HAT MESA 32 001 BATTERY 1,2,3

OCD Spill Number: nAPP2422651676

Spill date: 8/4/2024

From: Dale Woodall, EXXONMOBIL

Date: 9/29/2025

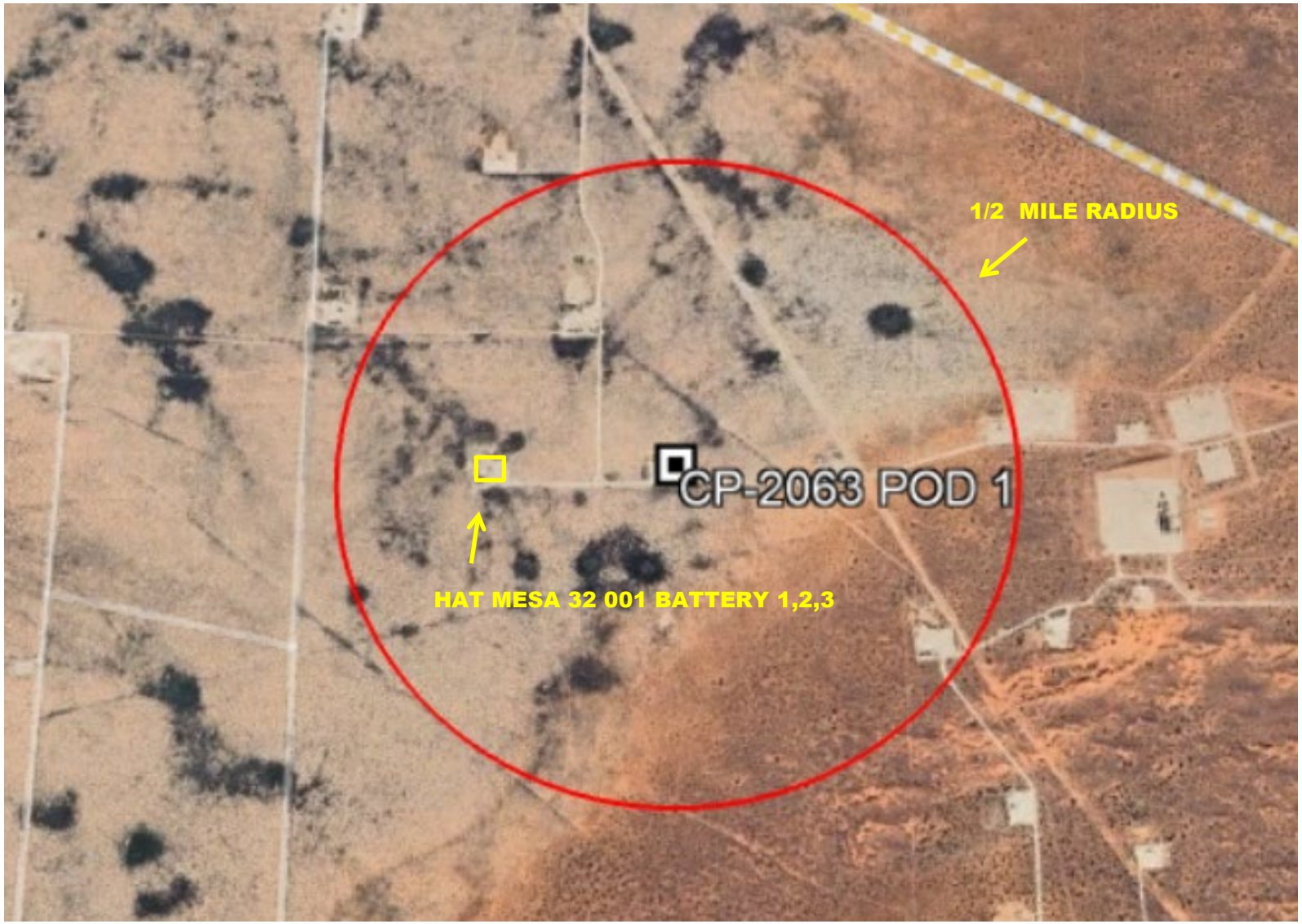
A review of New Mexico Office of the State Engineers (OSE) online water well database (New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose_pod_locations/).

One pod location is within 0.5 miles of the location and is less than 25 years old. CP- 2063 POD 1 (installed in 2025) did not encounter groundwater at 105 feet and is 0.25 miles west of the location.

The spill was remediated to criteria for DTW of greater than 100 feet bgs.

Boring log of the well CP-2063 POD1 is attached.

NORTH



CP-2603 = 0.25 MILES FROM LOCATION
(INSTALLED 6/2025)

FIGURE: NM OSE POD LOCATION	
HAT MESA 32 001 BATTERY 1,2 3	
OCD INCIDENT NAPP2422651676	
32.535073° / -103.695685°	
drawn by: RDW	Date: 09/2025

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

June 20, 2025

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-2063 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-2063 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	CP-2063

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Exxon Mobil	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
106 W Green St.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	32	5.85	N
	LONGITUDE	103	41	44.71	W

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

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

SE NE NE Sec. 31 T20S R33E. Hat Mesa

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)
06/09/2025	06/09/2025	Temporary Well Material	±105	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED:

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

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	±6.25	Soil Boring	--	--	--	--

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 *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

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	6	6	Caliche, semi-consolidated, tan/white	Y ✓ N	
6	19	13	Sand, fine-grained, with caliche, tan and white	Y ✓ N	
19	39	10	Sand, fine-grained, clay, tannish brown	Y ✓ N	
39	69	30	Clay, with fine-grained sand semi-consolidated, Brown	Y ✓ N	
69	105	36	Clay, Stiff, High plastic, Brown	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	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm):

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 material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

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

Cameron Pruitt

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:

Jackie Atkins (Jun 20, 2025 07:48 MDT) — Jackie D. Atkins — 06/20/2025

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

PLUGGING RECORD

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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2063 POD-1

Well owner: Exxon Mobil Phone No.: 575-628-0451

Mailing address: 106 W Green St.

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/27

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Cameron Pruitt

4) Date well plugging began: 06/17/2025 Date well plugging concluded: 06/17/2025

5) GPS Well Location: Latitude: 32 deg, 32 min, 5.85 sec
Longitude: 103 deg, 41 min, 44.71 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl), by the following manner: water level probe

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 05/13/2025

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DII ROSWELL NM
20 JUN '25 AM 9:20

Version: September 8, 2009
Page 1 of 2

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

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0-10'	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Boring	
10' 105'	10' 105' Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	

OSE DII ROSWELL NM
20 JUN '25 AM 8:20

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

III. SIGNATURE:

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

Jack Atkins (Jun 20, 2025 07:48 MDT)

Signature of Well Driller

06/20/2025

Date

Version: September 8, 2009
Page 2 of 2

WR-20 Well Record and Log-packet-forsign

Final Audit Report 2025-06-20

Created:	2025-06-20
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAUDRjg2-cTP4LK_OCw1T5KdRCnje7O46N

"WR-20 Well Record and Log-packet-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2025-06-20 - 1:11:28 PM GMT

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2025-06-20 - 1:11:53 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2025-06-20 - 1:44:53 PM GMT

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2025-06-20 - 1:48:22 PM GMT - Time Source: server

Agreement completed.
2025-06-20 - 1:48:22 PM GMT

Appendix B
Field Data

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date:

Project: Hat Mesa 32 State 001 Battery

Project Number: 20979 Latitude: 32.535055 Longitude: -103.700736

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1@2'	N/A	352	
FL2@2'	N/A	316	
FL3@2'	N/A	352	
FL4@2'	N/A	ND	
FL5@2'	N/A	316	
FL6@2'	N/A	368	
NW1@6"	N/A	ND	
NW2@6"	N/A	392	
WW1@6"	N/A	284	
WW2@6"	N/A	952	
SW1@6"	N/A	436	
EW1@6"	N/A	632	
TT@0"	N/A	1104	
TT1@1'	N/A	1104	
TT1@2'	N/A	252	
TT1@4'	N/A	352	
TT1@5'	N/A	252	
~~FL1@3.5'~~			
FL2@3.5'			
FL3@3.5'			
FL4@3.5'			
FL5@3.5'			
FL6@3.5'			
~~NW1@~~			
NW1A@6"			
NW2A@6"			
~~WW1@~~ WW1A@6"			
WW2A@6"			

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: Overhead/Bird's Eye	
Coordinates: 32.535036,-103.700761	
Date/Time: 8/15/2024, 9:03 AM	
Photo Description: Aerial view of the affected area.	

Photo Number: 2	
Photo Direction: South	
Coordinates: 32.535186,-103.700794	
Date/Time: 8/15/2024, 9:04 AM	
Photo Description: Aerial view of the affected area.	

Photographic Log

Photo Number: 3	
Photo Direction: North	
Coordinates: 32.534872,-103.700794	
Date/Time: 8/15/2024, 9:04 AM	
Photo Description: Aerial view of the affected area.	

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

Photographic Log

Photo Number: 5	
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photo Number: 6	
Photo Direction: North	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 7	
Photo Direction: North-Northwest	
Photo Description: View of the excavated area.	

Photo Number: 8	
Photo Direction: North-Northeast	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 9	
Photo Direction: West	
Photo Description: View of the excavated area.	

Photo Number: 10	
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

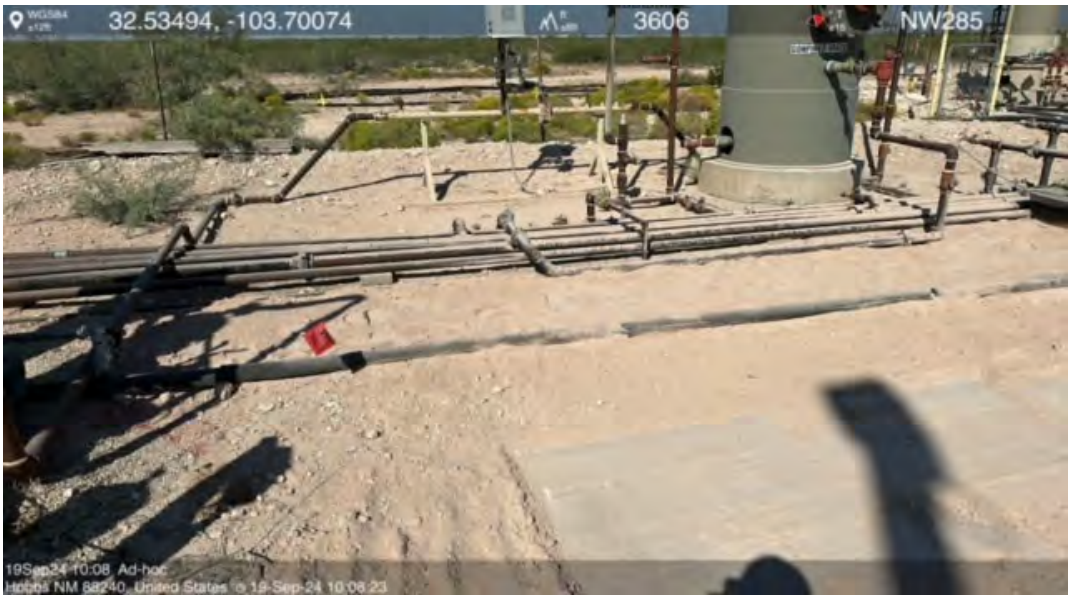
Photographic Log

Photo Number: 11	
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Photo Number: 12	
Photo Direction: Southwest	
Photo Description: View of the excavated area.	

Photographic Log

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

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

Photographic Log

Photo Number: 15	
Photo Direction: North-Northwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 16	
Photo Direction: Northwest	
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

September 16, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: HAT MESA 32 STATE 001 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/13/24 14:35.

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 1 @ 2' (H245591-01)

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	09/13/2024	ND	2.00	100	2.00	4.13	
Toluene*	<0.050	0.050	09/13/2024	ND	2.05	103	2.00	5.94	
Ethylbenzene*	**0.061**	0.050	09/13/2024	ND	2.05	102	2.00	6.96	
Total Xylenes*	**0.261**	0.150	09/13/2024	ND	6.36	106	6.00	6.86	
Total BTEX	**0.322**	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	09/16/2024	ND	400	100	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*	**14.3**	10.0	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**816**	10.0	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**190**	10.0	09/14/2024	ND					

Surrogate: 1-Chlorooctane *83.8 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 2 @ 2' (H245591-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	**0.079**	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	**0.140**	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**1.78**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	**2.00**	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *130 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	09/16/2024	ND	400	100	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*	**63.5**	10.0	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**2690**	10.0	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**593**	10.0	09/14/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 3 @ 1' (H245591-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	**0.072**	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	**0.065**	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**0.477**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	**0.614**	0.300	09/13/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**13200**	100	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**3440**	100	09/14/2024	ND					

Surrogate: 1-Chlorooctane *123 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *282 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 4 @ 2' (H245591-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	<0.050	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	**0.083**	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**0.653**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	**0.736**	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**44.2**	10.0	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**3650**	10.0	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**827**	10.0	09/14/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *154 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 5 @ 1' (H245591-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	<0.050	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	<0.300	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**2590**	10.0	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**590**	10.0	09/14/2024	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *128 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 6 @ 2' (H245591-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	<0.050	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**0.512**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	**0.512**	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**17.3**	10.0	09/16/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**1340**	10.0	09/16/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**288**	10.0	09/16/2024	ND					

Surrogate: 1-Chlorooctane *26.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *36.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: NW 1 @ 6" (H245591-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	<0.050	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**0.219**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	<0.300	0.300	09/13/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**64.4**	50.0	09/16/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**10500**	50.0	09/16/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**2140**	50.0	09/16/2024	ND					

Surrogate: 1-Chlorooctane	*142 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*223 %*	*49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: NW 2 @ 6" (H245591-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	<0.050	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**0.248**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	<0.300	0.300	09/13/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/16/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**3830**	50.0	09/16/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**994**	50.0	09/16/2024	ND					

Surrogate: 1-Chlorooctane	*116 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*165 %*	*49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: EW 1 @ 6" (H245591-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	<0.050	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	<0.300	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**377**	10.0	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**90.1**	10.0	09/14/2024	ND					

Surrogate: 1-Chlorooctane *89.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: WW 1 @ 6" (H245591-10)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	**0.483**	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	**0.839**	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**5.57**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	**6.89**	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *158 %* *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	**64.0**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**223**	100	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**9300**	100	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**2420**	100	09/14/2024	ND					

Surrogate: 1-Chlorooctane *126 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *208 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: WW 2 @ 6" (H245591-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/13/2024	ND	1.75	87.5	2.00	16.1	GC-NC
Toluene*	**11.8**	1.00	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	**9.21**	1.00	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**82.0**	3.00	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	**103**	6.00	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *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	**672**	16.0	09/16/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**2810**	100	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**21400**	100	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**3950**	100	09/14/2024	ND					

Surrogate: 1-Chlorooctane *378 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *518 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/13/2024	Sampling Date:	09/13/2024
Reported:	09/16/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: SW 1 @ 6'' (H245591-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	1.75	87.5	2.00	16.1	
Toluene*	<0.050	0.050	09/13/2024	ND	1.67	83.7	2.00	15.9	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	1.71	85.4	2.00	16.2	
Total Xylenes*	**0.169**	0.150	09/13/2024	ND	5.07	84.5	6.00	16.4	
Total BTEX	<0.300	0.300	09/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *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	**336**	16.0	09/16/2024	ND	400	100	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*	**14.2**	10.0	09/14/2024	ND	201	100	200	2.75	
DRO >C10-C28*	**778**	10.0	09/14/2024	ND	207	104	200	2.89	
EXT DRO >C28-C36	**189**	10.0	09/14/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	XTO
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Amy Ruth
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20979 **Project Owner:** XTO	**City:**	
Project Name:	Hat Mesa 32 State 001 Battery	**State:** **Zip:**	
Project Location:	32.535055, -103.700736	**Phone #:**	
Sampler Name:	Amos Reyes	**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)								
H245591											✓														
1	FL 1 @ 2'	C	1			X					X		9/13/24		X	X	X								
2	FL 2 @ 2'	C	1			X					X		9/13/24		X	X	X								
3	FL 3 @ 1'	C	1			X					X		9/13/24		X	X	X								
4	FL 4 @ 2'	C	1			X					X		9/13/24		X	X	X								
5	FL 5 @ 1'	C	1			X					X		9/13/24		X	X	X								
6	FL 6 @ 2'	C	1			X					X		9/13/24		X	X	X								
7	NW 1 @ 6"	C	1			X					X		9/13/24		X	X	X								
8	NW 2 @ 6"	C	1			X					X		9/13/24		X	X	X								
9	EW 1 @ 6"	C	1			X					X		9/13/24		X	X	X								
10	WW 1 @ 6"	C	1			X					X		9/13/24		X	X	X								

Relinquished By:	**Date:** 9.13.24	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1435		**All Results are emailed. Please provide Email address:** pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** RUSH SAMPLES - 24 HOUR
	Time:		

Delivered By: (Circle One)	**Observed Temp. °C** -0.8	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -1.4			**Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.5 08/05/24

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	XTO
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Amy Ruth
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20979 **Project Owner:** XTO	**City:**	
Project Name:	Hat Mesa 32 State 001 Battery	**State:** **Zip:**	
Project Location:	32.535055, -103.700736	**Phone #:**	
Sampler Name:	Amos Reyes	**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)								
H245541											✓														
11	WW 2 @ 6"	C	1			X					X		9/13/24		X	X	X								
12	SW 1 @ 6"	C	1			X					X		9/13/24		X	X	X								

Relinquished By:	**Date:** 9-13-24	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1435		**All Results are emailed. Please provide Email address:** pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** RUSH SAMPLES - 24 HOUR
	Time:		

Delivered By: (Circle One)	**Observed Temp. °C** 0.8	**Sample Condition** Cool ☑ Yes ☐ No / Intact ☐ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☐ / Rush ☒
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -1.4			**Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No / Observed Temp. °C / Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

CARDINAL Laboratories

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

September 18, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: HAT MESA 32 STATE 001 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/17/24 14:43.

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

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 2 @ 3.5' (H245644-01)

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	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/18/2024	ND	416	104	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	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *96.1 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 3 @ 3.5' (H245644-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	09/18/2024	ND	416	104	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	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *99.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 4 @ 3.5' (H245644-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *94.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 5 @ 3.5' (H245644-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *99.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: FL 6 @ 3.5' (H245644-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: NW 1A @ 6" (H245644-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *93.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: NW 2A @ 6" (H245644-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: WW 1A @ 6" (H245644-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/17/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: WW 2A @ 6" (H245644-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.11	105	2.00	6.21	
Toluene*	<0.050	0.050	09/17/2024	ND	2.13	107	2.00	6.10	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.12	106	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.53	109	6.00	6.13	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	201	101	200	2.40	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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 West Marland		**Company:**	XTO	
City:	Hobbs	**State:** NM **Zip:** 88240	**Attn:**	Amy Ruth	
Phone #:	(575) 264-9884	**Fax #:**	**Address:**		
Project #:	20979	**Project Owner:** XTO	**City:**		
Project Name:	Hat Mesa 32 State 001 Battery		**State:**	**Zip:**	
Project Location:	32.535055, -103.700736		**Phone #:**		
Sampler Name:	Amos Reyes		**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)**									
H245644																									
1	FL 2 @ 3.5'	C	1			X					X		9/17/24		X	X	X								
2	FL 3 @ 3.5'	C	1			X					X		9/17/24		X	X	X								
3	FL 4 @ 3.5'	C	1			X					X		9/17/24		X	X	X								
4	FL 5 @ 3.5'	C	1			X					X		9/17/24		X	X	X								
5	FL 6 @ 3.5'	C	1			X					X		9/17/24		X	X	X								
6	NW 1A @ 6"	C	1			X					X		9/17/24		X	X	X								
7	NW 2A @ 6"	C	1			X					X		9/17/24		X	X	X								
8	WW 1A @ 6"	C	1			X					X		9/17/24		X	X	X								
9	WW 2A @ 6"	C	1			X					X		9/17/24		X	X	X								

Relinquished By:	**Date:** 9-17-24 **Time:** 1443	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:** **Time:**	**Received By:**	**REMARKS:** RUSH SAMPLES - 24 HOUR

Delivered By: (Circle One)	**Observed Temp. °C** -0.3	**Sample Condition** Cool Intact	**CHECKED BY:** (Initials)	**Turnaround Time:** Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -0.9	☐ Yes ☐ Yes ☐ No ☐ No		**Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

CARDINAL Laboratories

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

September 18, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: HAT MESA 32 STATE 001 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/17/24 14:43.

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:	09/17/2024	Sampling Date:	09/16/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: TT 1 @ SURF (H245645-01)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.11	105	2.00	6.21	
Toluene*	**0.994**	0.050	09/18/2024	ND	2.13	107	2.00	6.10	GC-NC1
Ethylbenzene*	**4.25**	0.050	09/18/2024	ND	2.12	106	2.00	6.29	GC-NC1
Total Xylenes*	**19.1**	0.150	09/18/2024	ND	6.53	109	6.00	6.13	GC-NC1
Total BTEX	**24.3**	0.300	09/18/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *163 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1640**	100	09/18/2024	ND	203	101	200	3.81	QR-03
DRO >C10-C28*	**37900**	100	09/18/2024	ND	206	103	200	10.1	QM-07
EXT DRO >C28-C36	**7490**	100	09/18/2024	ND					

Surrogate: 1-Chlorooctane *504 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *926 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/16/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: TT 1 @ 1' (H245645-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1040**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	203	101	200	3.81	
DRO >C10-C28*	**1110**	10.0	09/17/2024	ND	206	103	200	10.1	
EXT DRO >C28-C36	**378**	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *81.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/16/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: TT 1 @ 2' (H245645-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	203	101	200	3.81	
DRO >C10-C28*	**224**	10.0	09/17/2024	ND	206	103	200	10.1	
EXT DRO >C28-C36	**63.4**	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *82.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/16/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: TT 1 @ 3' (H245645-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**960**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	203	101	200	3.81	
DRO >C10-C28*	**1400**	10.0	09/17/2024	ND	206	103	200	10.1	
EXT DRO >C28-C36	**411**	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *91.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/16/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: TT 1 @ 4' (H245645-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	203	101	200	3.81	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	206	103	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *96.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	09/17/2024	Sampling Date:	09/16/2024
Reported:	09/18/2024	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.535055-103.700736		

Sample ID: TT 1 @ 5' (H245645-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/18/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	203	101	200	3.81	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	206	103	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

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

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	XTO
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Amy Ruth
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20979 **Project Owner:** XTO	**City:**	
Project Name:	Hat Mesa 32 State 001 Battery	**State:**	**Zip:**
Project Location:	32.535055, -103.700736	**Phone #:**	
Sampler Name:	Amos Reyes	**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)								
H245245																								
1	TT 1 @ Surf	G	1			X					X		9/16/24		X	X	X							
2	TT 1 @ 1'	G	1			X					X		9/16/24		X	X	X							
3	TT 1 @ 2'	G	1			X					X		9/16/24		X	X	X							
4	TT 1 @ 3'	G	1			X					X		9/16/24		X	X	X							
5	TT 1 @ 4'	G	1			X					X		9/16/24		X	X	X							
6	TT 1 @ 5'	G	1			X					X		9/16/24		X	X	X							

Relinquished By:	**Date:** 9-17-24 **Time:** 1443	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
			All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:** **Time:**	**Received By:**	**REMARKS:** RUSH SAMPLES - 24 HOUR

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** -0.3 **Corrected Temp. °C** -0.9	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** SR	**Turnaround Time:** Standard ☐ Rush ☒ **Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.5 08/05/24

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

CARDINAL Laboratories

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

January 24, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: HAT MESA 32 STATE 001 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/20/25 14:48.

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:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/24/2025	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: EW 1 A @ 6" (H250332-01)

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	01/23/2025	ND	2.03	102	2.00	0.706	
Toluene*	<0.050	0.050	01/23/2025	ND	2.11	106	2.00	1.06	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.16	108	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.52	109	6.00	0.801	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/22/2025	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	01/23/2025	ND	235	117	200	1.29	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	224	112	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane *72.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *64.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/24/2025	Sampling Type:	Soil
Project Name:	HAT MESA 32 STATE 001 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20979	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.535055-103.700736		

Sample ID: SW 1 A @ 6" (H250332-02)

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	01/23/2025	ND	2.03	102	2.00	0.706	
Toluene*	<0.050	0.050	01/23/2025	ND	2.11	106	2.00	1.06	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.16	108	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.52	109	6.00	0.801	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/22/2025	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	01/23/2025	ND	235	117	200	1.29	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	224	112	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane *79.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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 West Marland	**Company:**	XTO
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Amy Ruth
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20979 **Project Owner:** XTO	**City:**	
Project Name:	Hat Mesa 32 State 001 Battery	**State:** **Zip:**	
Project Location:	32.535055, -103.700736	**Phone #:**	
Sampler Name:	Robbie Runnels	**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)								
H250339																									
1	EW 1 A @ 6"	C	1			X					X		1/20/25		X	X	X								
2	SW 1 A @ 6"	C	1			X					X		1/20/25		X	X	X								

Relinquished By:	**Date:** 1.20.25	**Received By:**		**Verbal Result:** ☐ Yes ☐ No	**Add'l Phone #:**
	Time: 1448			**All Results are emailed. Please provide Email address:** pm@etechenv.com	
Relinquished By:	**Date:**	**Received By:**		**REMARKS:**	
	Time:				
Delivered By: (Circle One)	**Observed Temp. °C** -5.4=	**Sample Condition** Cool Intact	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☒ Rush ☐	**Bacteria (only) Sample Condition** Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -6.0=	☑ Yes ☑ Yes ☐ No ☐ No	AD	**Thermometer ID** #140 **Correction Factor** -0.6°C	☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

CARDINAL Laboratories

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

May 17, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MAGNUM ROAD RISER

Enclosed are the results of analyses for samples received by the laboratory on 05/16/24 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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,

Mike Snyder For 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	MAGNUM ROAD RISER	Sampling Condition:	Cool & Intact
Project Number:	19589	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.5394, -104.12464		

Sample ID: BALLARD TOPSOIL PIT (H242725-01)

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	05/16/2024	ND	2.15	108	2.00	2.32	
Toluene*	<0.050	0.050	05/16/2024	ND	2.18	109	2.00	0.855	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.14	107	2.00	0.0235	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.58	110	6.00	0.307	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	05/17/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	201	101	200	2.64	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	200	99.8	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane *71.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *66.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For 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

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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 West Marland	**Company**	SEE REMARKS
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	19589 **Project Owner:** Mewbourne	**City:**	
Project Name:	Magnum Road Riser	**State:** NM **Zip:**	
Project Location:	32.5394, -104.12464	**Phone #:**	
Sampler Name:	David Robinson	**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)	
H247775																		
1	Ballard Topsoil Pit	C	1			X					X		5/16/24		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: 5.16.24	Received By:	
	Time: 1537		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One) -9.1°C
Sampler - UPS - Bus - Other: #140

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

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

RUSH SAMPLES - 24 HOUR
Bill analytical charges to Mewbourne C/O Connor Walker and rush charges to Etech C/O Lance Crenshaw.
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

Appendix E
Regulatory Correspondence

From: OCDOnline@state.nm.us
To: Smith, Kailee /C
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 382660
Date: Wednesday, September 11, 2024 2:35:05 PM

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#) nAPP2422651676.

The sampling event is expected to take place:

When: 09/13/2024 @ 08:00
Where: B-31-20S-33E 0 FNL 0 FEL (32.535066,-103.700738)

Additional Information: Amos Reyes, 432-967-6199

Additional Instructions: From the intersection of NM-176 and US Hwy 62 (32.554728, -103.726017), head S on NM-176 for 1.75 mi, then S for 0.96 mi, then W for 0.14 mi, then NW for 0.04 mi to arrive at the Hat Mesa 32 State 1 Battery location (32.535055, -103.700736).

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: Smith, Kailee /C
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 382665
Date: Wednesday, September 11, 2024 2:38:09 PM

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#) nAPP2422651676.

The sampling event is expected to take place:

When: 09/16/2024 @ 08:00
Where: B-31-20S-33E 0 FNL 0 FEL (32.535066,-103.700738)

Additional Information: Amos Reyes, 432-967-6199

Additional Instructions: From the intersection of NM-176 and US Hwy 62 (32.554728, -103.726017), head S on NM-176 for 1.75 mi, then S for 0.96 mi, then W for 0.14 mi, then NW for 0.04 mi to arrive at the Hat Mesa 32 State 1 Battery location (32.535055, -103.700736).

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: Smith, Kailee /C
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 382666
Date: Wednesday, September 11, 2024 2:39:09 PM

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#) nAPP2422651676.

The sampling event is expected to take place:

When: 09/17/2024 @ 08:00
Where: B-31-20S-33E 0 FNL 0 FEL (32.535066,-103.700738)

Additional Information: Amos Reyes, 432-967-6199

Additional Instructions: From the intersection of NM-176 and US Hwy 62 (32.554728, -103.726017), head S on NM-176 for 1.75 mi, then S for 0.96 mi, then W for 0.14 mi, then NW for 0.04 mi to arrive at the Hat Mesa 32 State 1 Battery location (32.535055, -103.700736).

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:	Hamlet, Robert, EMNRD
To:	Ben Arguijo
Cc:	Lance Crenshaw; Brown, Colton S; Ruth, Amy; kailee.smith@exxonmobil.com
Subject:	(Extension Approval) - nAPP2422651676 - Hat Mesa 32 State 001 Battery 1,2,3 - Extension Request
Date:	Tuesday, November 5, 2024 9:25:56 AM
Attachments:	image003.png

RE: Incident **#NAPP2422651676**

Ben,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **February 3rd, 2025** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, November 4, 2024 4:43 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] nAPP2422651676 - Hat Mesa 32 State 001 Battery 1,2,3 - Extension Request

From: Ben Arguijo <bena@etechenv.com>
Sent: Monday, November 4, 2024 4:03 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; ocd.environmental@state.nm.us
Cc: Lance Crenshaw <lance@etechenv.com>; Brown, Colton S <colton.s.brown@exxonmobil.com>; Amy Ruth - XTO Energy (amy.ruth@exxonmobil.com) <amy.ruth@exxonmobil.com>; kailee.smith@exxonmobil.com
Subject: [EXTERNAL] nAPP2422651676 - Hat Mesa 32 State 001 Battery 1,2,3 - Extension Request

Dear NMOCD Environmental Bureau,

XTO Energy, Inc. (XTO), recently contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Hat Mesa 32 State 001 Battery 1,2,3 (NMOCD Incident # nAPP2422651676) located in Lea County. Pursuant to NMOCD regulations, a work plan or closure report is due for the release by today, November 4, 2024.

Etech has completed the necessary remediation activities and has prepared a remediation summary and closure report. However, XTO has not yet had an opportunity to review and approve this report. As such, on behalf of XTO, Etech respectfully requests a brief extension until **Friday, November 8, 2024**, to allow sufficient time for XTO to review the report and for Etech to make any necessary revisions.

If you have any questions or need any additional information, please do not hesitate to contact me by phone or email.

Thank you for your time and consideration.

Respectfully,
Ben J. Arguijo

Ben J. Arguijo
Project Manager

ETECH
Environmental & Safety Solutions, Inc.
6309 Indiana Ave., Ste. D
Lubbock, TX 79413
(432) 813-1592

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, December 18, 2024 1:30 PM
To: Brown, Colton S <colton.s.brown@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 400878

To whom it may concern (c/o Colton Brown for XTO ENERGY, INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2422651676,
for the following reasons:

- **The Remediation Closure Report is Denied. Sidewalls of a release require samples equal to or less than 600 mg/kg for chlorides and 100 mg/kg for TPH. Please review sidewall samples EW1 @ 6” and SW1 @ 6”.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 400878.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@emnrd.nm.gov

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

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, January 15, 2025 1:53 PM
To: Brown, Colton S <colton.s.brown@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 421157

To whom it may concern (c/o Colton Brown for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2422651676.

The sampling event is expected to take place:

When: 01/20/2025 @ 08:00
Where: B-31-20S-33E 0 FNL 0 FEL (32.535066,-103.700738)

Additional Information: Robbie Runnels 432-282-9143

Additional Instructions: From the intersection of NM-176 and US Hwy 62 (32.554728, -103.726017), head S on NM-176 for 1.75 mi, then S for 0.96 mi, then W for 0.14 mi, then NW for 0.04 mi to arrive at the Hat Mesa 32 State 1 Battery location (32.535055, -103.700736

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 <OCDOnline@state.nm.us>
Sent: Wednesday, September 24, 2025 3:18 PM
To: Woodall, Robert D <robert.d.woodall@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 498065

To whom it may concern (c/o Robert Woodall for XTO ENERGY, INC), The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2422651676, for the

To whom it may concern (c/o Robert Woodall for XTO ENERGY, INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2422651676,
for the following reasons:

- **The Reclamation Report is denied. At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 498065.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@emnrd.nm.gov

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

Appendix F
IPaC Summary Report

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Lea County, New Mexico

Local office

New Mexico Ecological Services Field Office

(505) 346-2525
(505) 346-2542

2105 Osuna Road Ne
Albuquerque, NM 87113-1001

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Lesser Prairie-chicken Tympanuchus pallidicinctus No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1924	Endangered
Northern Aplomado Falcon Falco femoralis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1923	EXPN

Clams

NAME	STATUS
Texas Hornshell Popenaias popeii Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/919	Endangered

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The data in this location indicates there are no migratory birds of conservation concern expected to occur in this area.

There may be migratory birds in your project area, but we don't have any survey data available to provide further direction. For additional information, please refer to the links above for recommendations to minimize impacts to migratory birds or contact your local FWS office.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or

minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2422651676**
Incident Name	**NAPP2422651676 HAT MESA 32 STATE 001 BATTERY 1,2,3 @ B-31-20S-33E**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Hat Mesa 32 State 001 Battery 1,2,3
Date Release Discovered	08/04/2024
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Pump | Crude Oil | Released: 14 BBL | Recovered: 8 BBL | Lost: 6 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	*Not answered.*

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/30/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	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	Attached Document
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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	1040
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	47000
GRO+DRO (EPA SW-846 Method 8015M)	39500
BTEX (EPA SW-846 Method 8021B or 8260B)	103
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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	09/11/2024
On what date will (or did) the final sampling or liner inspection occur	01/20/2025
On what date will (or was) the remediation complete(d)	01/20/2025
What is the estimated surface area (in square feet) that will be reclaimed	844
What is the estimated volume (in cubic yards) that will be reclaimed	134
What is the estimated surface area (in square feet) that will be remediated	844
What is the estimated volume (in cubic yards) that will be remediated	113
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.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/30/2025
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.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**421157**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/20/2025**
What was the (estimated) number of samples that were to be gathered	**2**
What was the sampling surface area in square feet	**400**

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	844
What was the total volume (cubic yards) remediated	113
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	844
What was the total volume (in cubic yards) reclaimed	113
Summarize any additional remediation activities not included by answers (above)	See report. addendum added to denote the installation of a test well within 1/2 mile of location drilled to 105 feet where groundwater was not encountered.

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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/30/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 510564
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2422651676 Hat Mesa 32 State 001 Battery 1,2,3, thank you. This Remediation Closure Report is approved.	10/1/2025