



June 6, 2025

District Supervisor  
Oil Conservation Division, District 1  
1625 North French Drive  
Hobbs, New Mexico 88240

**Re: Remediation Report and Closure Report  
Maverick Permian, LLC  
State F Battery Release  
Unit Letter M, Section 01, Township 21 South, Range 36 East  
Lea County, New Mexico  
Incident ID# nAPP2415647355**

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was initially contracted by Maverick Permian, LLC (Maverick) to remediate a release that occurred from the corrosion of a flowline associated with the State F 1 #009 Well (API 30-025-26802). The release footprint is located in Public Land Survey System (PLSS) Unit Letter M, Section 01, Township 21 South, Range 36 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.500975°, -103.2265497° as shown in **Figure 1** and **Figure 2**.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report, on May 28, 2024, corrosion/equipment failure released approximately 17 barrels (bbls) of produced water and 2 bbls of crude oil onto the well pad and into the adjacent pasture. No released fluids were recovered during the initial response. Maverick reported the release to the New Mexico Oil Conservation Division (NMOCD) on June 4, 2024. The release was assigned Incident Number nAPP2415647355.

## SITE CHARACTERIZATION

Tetra Tech performed a Site characterization that included identifying sensitive receptors, determining the depth to groundwater, and assessing the site soils. The Site Characterization data are summarized below and included in **Attachment 1**.

### Site Characterization Summary

Shallowest Depth to Groundwater (feet bgs)	> 70 feet bgs
Method to determine depth to groundwater	Direct Measurement
Did this release impact groundwater or surface water	No
Distance to a continuously flowing watercourse	1 to 5 Miles
Distance to any lakebed, sinkhole, or playa lake	1 to 5 Miles
Distance to any occupied permanent residence, school, hospital, institution, or church	1 to 5 Miles

**Tetra Tech, Inc.**

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### Site Characterization Summary

Distance to A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	1 to 5 Miles
Distance to any other freshwater well or spring	1 to 5 miles
Distance to Incorporated municipal boundaries or a defined municipal freshwater well field	1 to 5 Miles
Distance to a wetland	1 to 5 Miles
Distance to a subsurface mine	1 to 5 Miles
Distance to an (non-karst) unstable area	> 5 Miles
Risk of the Site being in a karst geology	Low
Distance to a 100-year floodplain	> 5 Miles
Did the release impact areas not on an exploration, development, production, or storage site	No

### Receptors

Tetra Tech performed a site characterization for the release location and did not identify any watercourses, sinkholes, playas, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains within the distances specified in 19.15.29.11 New Mexico Administrative Code (NMAC). Based on a review of the NMOCD Mapper, the site is in an area of low karst potential, as shown in **Attachment 1**.

### Soils

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the Site is mapped as having Pyote and Maljamar fine sands, dry, 0 to 3 percent slopes, which is classified as a loam with a published soil profile of find sand from the surface to 2.5 feet below ground surface (bgs) and fine sandy loam from 2.5 to 5 feet bgs. The USDA NCRS Soil Map and soil profile are provided in **Attachment 1**.

### Depth to Groundwater

On May 30, 2025, Tetra Tech and H&R Enterprises (H&R) mobilized to the Oxy State F1 Battery Site and installed a Depth-To-Water (DTW) boring to 70 feet bgs at 32.501526°, -103.225944°, approximately 270 feet northeast of the release location. The DTW boring did not identify groundwater in the upper 70 feet, which verifies that groundwater is below 70 feet bgs at the Site. The DTW bore log is included in **Attachment 2**.

### Cultural Resources Survey

To comply with 1.10.15 NMAC and New Mexico State Land Office (NMSLO) requirements, Ensolum engaged Beaver Creek Archaeology on behalf of Maverick to perform an Archaeological Records Management System (ARMS) Inspection/Review for the remediation area.

Beaver Creek Archaeology did not identify previous surveys of the area. However, they recommended that no additional archaeological work be required for the remediation area, as it has experienced disturbances from the

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early 2000s to the present due to facility pad development. Beaver Creek additionally states that no previously recorded sites are located within 100 feet of the remediation area.

As the remediation area was constrained to the active facility pad, no additional archaeological survey work was performed as part of the remedial activity described below. No subsurface cultural materials were encountered during remediation.

## Biologically Sensitive Areas

The remediation and associated activities were constrained to the existing developed facility pad and would, therefore, not impact potential biologically sensitive areas.

## REGULATORY FRAMEWORK

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data were used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chloride in soil.

Based on the site characterization, established depth to groundwater, and in accordance with Table 1 of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows:

### Closure Criteria for Soils Impacted by a Release

Constituent	Remediation RRAL
Chloride	10,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
TPH (DRO+ORO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the New Mexico Oil Conservation District (NMOCD) guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) are as follows:

### Reclamation Requirements

Constituent	Remediation RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

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## INITIAL RESPONSE ACTIVITIES

The release occurred due to corrosion/equipment failure, resulting in the release of produced water onto an approximately 1,815 square foot area contained on the well pad, as shown in **Figure 3**. No fluids were recovered during the initial response.

## REMEDIATION AND CONFIRMATION SAMPLING

Excavation activities commenced on December 11, 2024, and concluded on February 4, 2025. Maverick's subcontractor, McNabb Partners (McNabb) used heavy equipment to excavate impacted soil from the remediation area to a maximum depth of four (4) feet bgs. To avoid potential contact by heavy equipment with pressurized lines within the remediation area, heavy equipment was maintained at a distance of at least 2 feet from pressurized lines where hydro-excavation and hand-digging were employed.

McNabb excavated 324 cubic yards of contaminated soil from an approximately 1,900-square-foot area and transported it to R360 Halfway Disposal and Landfill for off-site disposal. Photographs of the final excavation are provided in **Attachment 3**.

### Confirmation Sampling Notification

On December 03, 2024, Tetra Tech notified the NMOCD of the anticipated initial confirmation sampling through the submission of a C-141N Sampling Notification submission in the NMOCD Permitting portal and provided subsequent C-141N Sampling Notification submissions through the NMOCD Permitting portal up to and including final confirmation sampling at the Site performed on January 31, 2025. Sampling notification was conducted in accordance with 19.15.29.12(D)(1)(a) NMAC and the Energy, Minerals and Natural Resources Department (EMNRD) *Notice Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions* dated December 1, 2023.

### Confirmation Sampling

Upon reaching the final lateral and vertical excavation extents of the excavation, Tetra Tech collected 47 final confirmation samples, including 24 five-point composite floor samples and 23 five-point composite sidewall samples from the excavated areas. The remediation excavation concluded as a 4-foot-deep excavation with an approximately 1,900 square-foot base and 1,600 square feet of sidewall for a total area of 3,400 square feet and a sampling density of approximately one confirmation sample per 73 square feet.

Samples were submitted to Cardinal Laboratory in Hobbs, New Mexico for analysis of BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method SM4500 CL-B. Laboratory analytical results for final confirmation samples reported concentrations of BTEX, TPH, and chloride as less than the respective RRALs or Reclamation Requirements, as applicable, demonstrating clean margins. Shallow confirmation sample laboratory analytical results screened against Reclamation Requirements are summarized in **Table 2** and Deep confirmation sample laboratory analytical results screened against RRALs are summarized in **Table 3**. Laboratory analytical data packages, including chain of custody documentation, are included in **Attachment 4**. Confirmation sampling locations and excavation extents are shown in **Figure 4**.

### Excavation Backfill

Subsequent to receiving confirmation sample results, McNabb completed backfilling the excavated areas with approximately 300 cubic yards of clean caliche and 14 cubic yards of topsoil on February 4, 2025. Photographic Documentation showing final grading after backfilling is provided in **Attachment 3**.



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## **Reclamation and Revegetation**

No impacted surface areas were present off of the developed well pad, therefore reclamation and revegetation were not conducted as part of this remediation. Reclamation and revegetation will be conducted in accordance with NMOCD and New Mexico State Land Office (NMSLO) requirements at the end of the life of the well pad, subsequent to well plugging and abandonment.

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## CONCLUSION

Based on the confirmation sampling results, the impacted soil within the release footprint with concentrations greater than RRALs or Reclamation Requirements, as appropriate, has been removed and properly disposed of offsite, the excavated area has been backfilled with clean material, and the surface of the well pad has been restored; therefore, Site remediation is complete. Reclamation and revegetation will be conducted at the end-of-life of the State F Battery. If you have any questions concerning the remediation activities for the Site, please call me at (832) 252-2093.

Sincerely,



Chris Straub  
Project Manager  
Tetra Tech, Inc.



Charles H. Terhune IV, P.G.  
Program Manager  
Tetra Tech, Inc.

cc: Bryce Wagoner, Maverick Permian, LLC  
New Mexico State Land Office

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## LIST OF ATTACHMENTS

### Figures

- Figure 1 – Overview Map and Topographic Map
- Figure 2 – Approximate Release Extent and Site Assessment Map
- Figure 3 – Excavation Extents and Confirmation Sample Locations Map

### Tables

- Table 1 – Summary of Analytical Results – Shallow Confirmation Sampling
- Table 2 – Summary of Analytical Results – Deep Confirmation Sampling

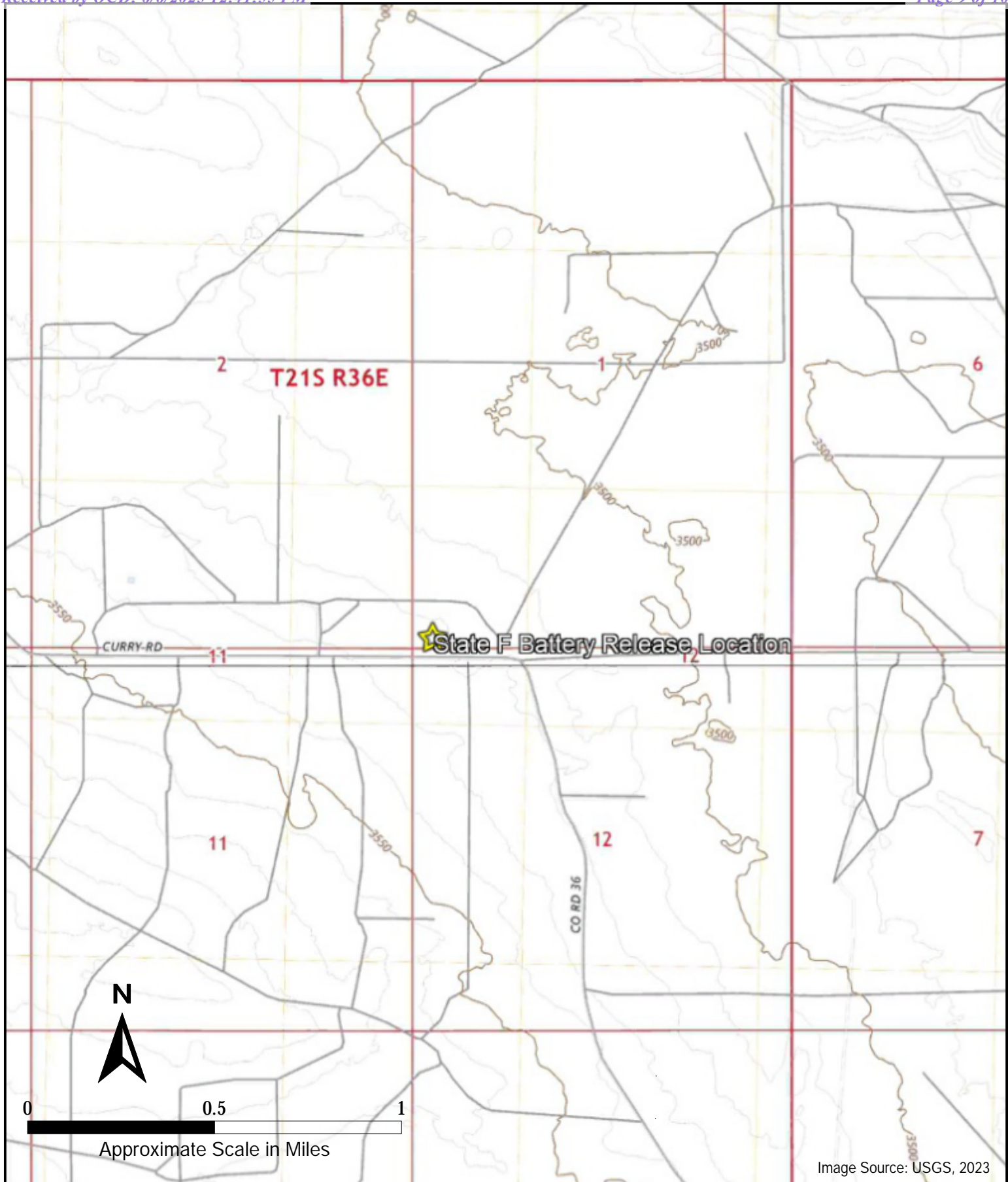
### Attachments

- Attachment 1 – Site Characterization Data
- Attachment 2 – Borelogs
- Attachment 3 – Photographic Documentation
- Attachment 4 – Laboratory Analytical Data

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## FIGURES

**TETRA TECH**

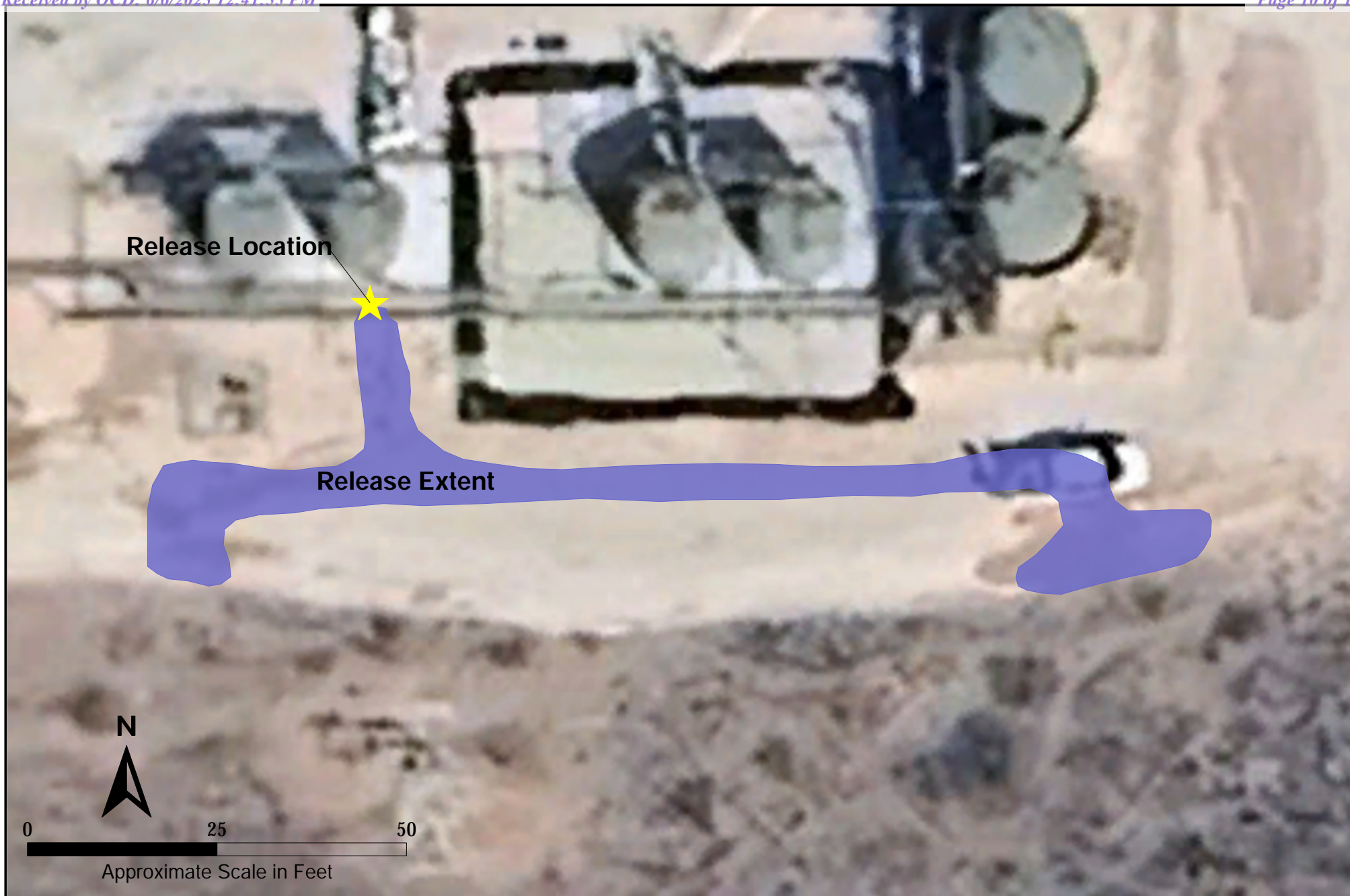
1500 CityWest Boulevard  
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INCIDENT ID: NAPP2415647355  
(32.500975°, -103.2265497°)

Lea County, New Mexico  
**STATE F BATTERY RELEASE**  
**SITE LOCATION AND TOPOGRAPHIC MAP**

PROJECT NO: 212C-MD-03708  
DATE: June 6, 2025  
DESIGNED BY: CHT

**Figure**  
**1**



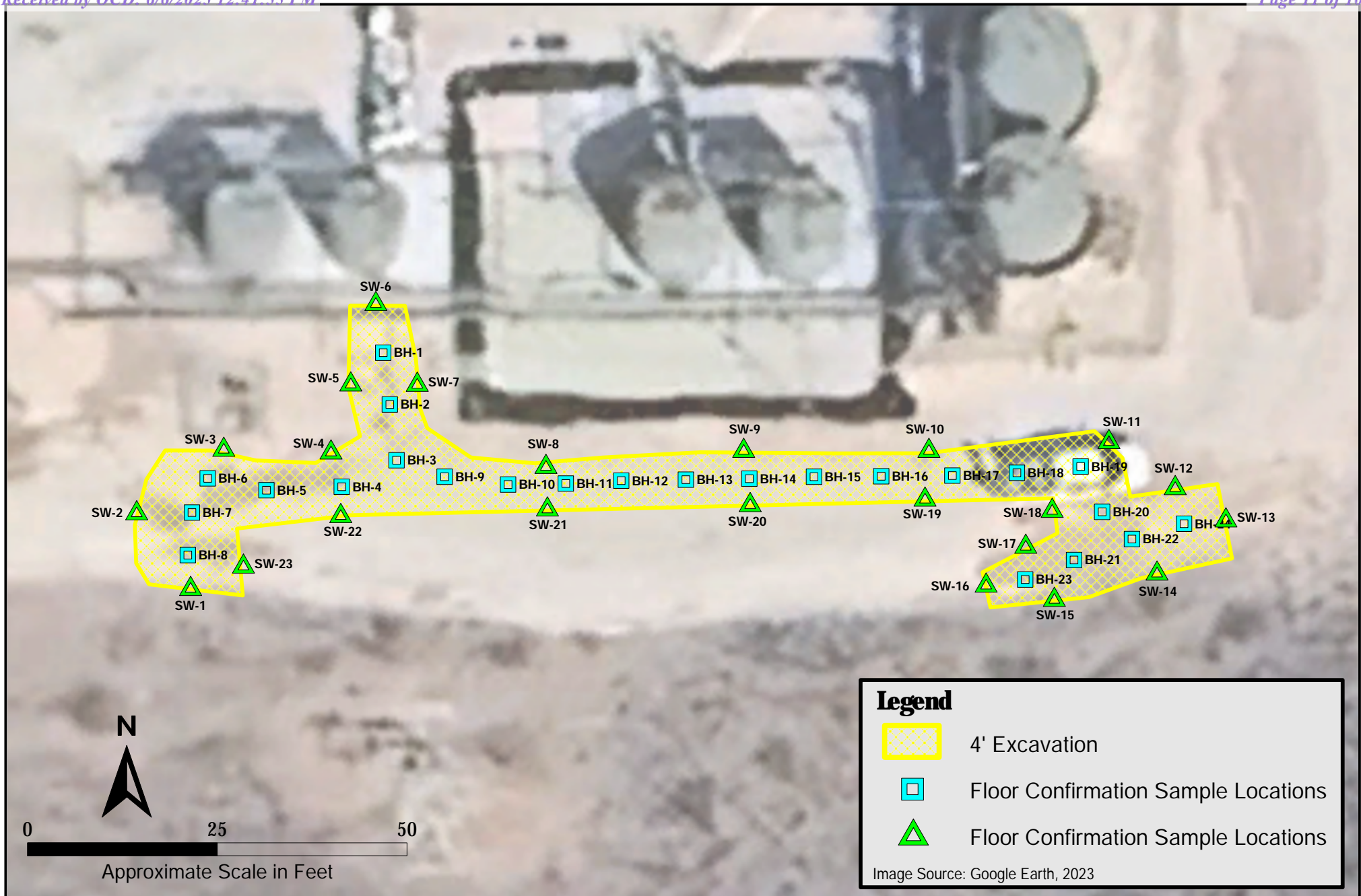
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LEA COUNTY, NEW MEXICO  
**STATE F BATTERY RELEASE**  
**RELEASE EXTENT MAP**

PROJECT NO: 212C-MD-03708  
DATE: JUNE 6, 2025  
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**Figure**  
**2**





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**STATE F BATTERY RELEASE  
REMEDATION EXTENT MAP**

PROJECT NO: 212C-MD-03708  
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**Figure  
3**



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## TABLES



**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SHALLOW CONFIRMATION SAMPLING - INCIDENT nAPP2415647355**  
**MAVERICK PERMIAN, LLC**  
**STATE F BATTERY RELEASE**  
**LEA COUNTY, NEW MEXICO**

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>				
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO	DRO	EXT DRO	TPH	Total TPH
					mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	> C <sub>10</sub> - C <sub>28</sub>	> C <sub>28</sub> - C <sub>36</sub>	GRO+DRO	(GRO+DRO+EXT DRO)
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
<b>Reclamation Requirements (19.15.29.13 NMAC)</b>			<b>600</b>		<b>10</b>								<b>50</b>					<b>1,000</b>	<b>2,500</b>
SW - 1	1/10/2025	0.0-4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 2	1/10/2025	0.0-4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 3	1/10/2025	0.0-4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 4	1/10/2025	0.0-4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 5	1/31/2025	0.0-4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 6	1/31/2025	0.0-4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 7	1/31/2025	0.0-4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 8	1/10/2025	0.0-4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 9	1/13/2025	0.0-4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 10	1/20/2025	0.0-4.0	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 11	1/20/2025	0.0-4.0	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 12	1/20/2025	0.0-4.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 13	1/20/2025	0.0-4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 14	1/20/2025	0.0-4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 15	1/20/2025	0.0-4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 16	1/20/2025	0.0-4.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 17	1/20/2025	0.0-4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 18	1/20/2025	0.0-4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 19	1/20/2025	0.0-4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 20	1/13/2025	0.0-4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 21	1/10/2025	0.0-4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 22	1/10/2025	0.0-4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0
SW - 23	1/10/2025	0.0-4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0

**NOTES:**

bgs: Below ground surface  
mg/kg: Milligrams per kilogram  
TPH: Total Petroleum Hydrocarbons

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
EXT DRO: Oil Range Organics

1: Method SM4500Cl-B  
2: Method 8021B  
3: Method 8015M

**Bold and highlighted values indicate exceedance of 19.15.29.13 NMAC.**



**TABLE 2**  
**SUMMARY OF ANALYTICAL RESULTS**  
**DEEP CONFIRMATION SAMPLING - INCIDENT nAPP2415647355**  
**MAVERICK PERMIAN, LLC**  
**STATE F BATTERY RELEASE**  
**LEA COUNTY, NEW MEXICO**

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>				
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO	DRO	EXT DRO	TPH	Total TPH
					mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	> C <sub>10</sub> - C <sub>28</sub>	> C <sub>28</sub> - C <sub>36</sub>	GRO+DRO	(GRO+DRO+EXT DRO)
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
<b>RRALs (Table I 19.15.29.12 NMAC)</b>			<b>10,000</b>		<b>10</b>								<b>50</b>					<b>1,000</b>	<b>2,500</b>
BH - 1 (4.0')	1/31/2025	4.0-4.5	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		66.9	<10.0	66.9
BH - 2 (4.0')	1/31/2025	4.0-4.5	1,100		<0.050		<0.050		<0.050		0.25		0.25		<10.0		84.6	<10.0	84.6
BH - 3 (4.0')	1/10/2025	4.0-4.5	592		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 4 (4.0')	1/10/2025	4.0-4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 5 (4.0')	1/10/2025	4.0-4.5	848		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		22.5	<10.0	22.5
BH - 6 (4.0')	1/10/2025	4.0-4.5	1,300		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 7 (4.0')	1/10/2025	4.0-4.5	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 8 (4.0')	1/10/2025	4.0-4.5	3,560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 9 (4.0')	1/10/2025	4.0-4.5	1,090		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 10 (4.0')	1/10/2025	4.0-4.5	2,060		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		43.3	<10.0	43.3
BH - 11 (4.0')	1/10/2025	4.0-4.5	1,070		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 12 (4.0')	1/13/2025	4.0-4.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 13 (4.0')	1/13/2025	4.0-4.5	704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 14 (4.0')	1/13/2025	4.0-4.5	672		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 15	1/20/2025	4.0-4.5	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 16	1/20/2025	4.0-4.5	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 17	1/20/2025	4.0-4.5	512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 18	1/20/2025	4.0-4.5	496		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 19	1/20/2025	4.0-4.5	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 20	1/20/2025	4.0-4.5	528		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 21	1/20/2025	4.0-4.5	512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 22	1/20/2025	4.0-4.5	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 23	1/20/2025	4.0-4.5	512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-
BH - 24	1/20/2025	4.0-4.5	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0	-

**NOTES:**

bgs: Below ground surface  
mg/kg: Milligrams per kilogram  
TPH: Total Petroleum Hydrocarbons

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
EXT DRO: Oil Range Organics

1: Method SM4500Cl-B  
2: Method 8021B  
3: Method 8015M

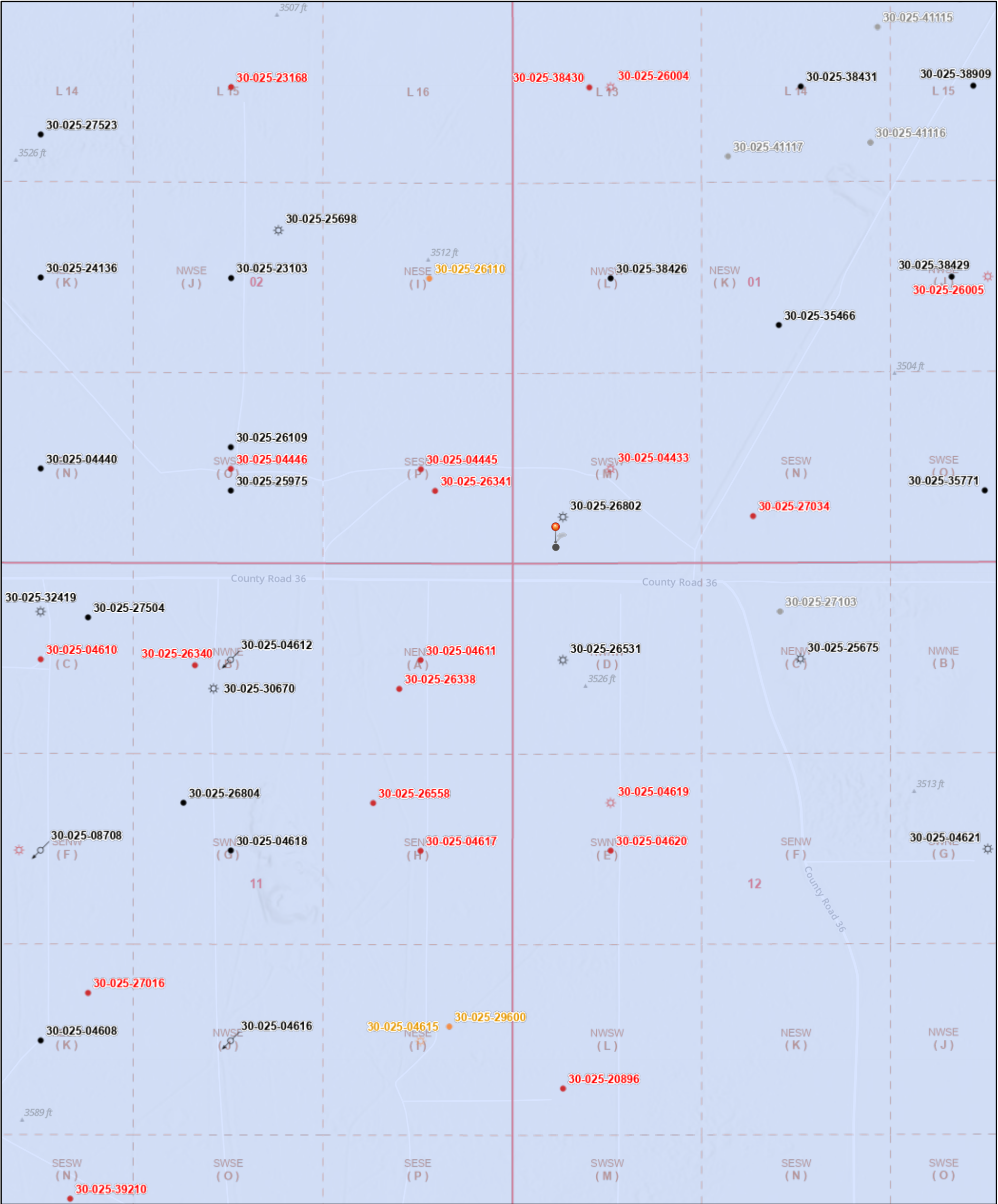
**Bold and highlighted values indicate exceedance of Table I 19.15.29.12 NMAC.**

Remediation Report and Closure Request  
State F Battery Release  
Incident ID# nAPP2415647355




Maverick Permian, LLC  
June 6, 2025

## ATTACHMENT 1 – SITE CHARACTERIZATION DATA

# State F Battery OCD Map






6/5/2025, 8:52:43 AM

- 




Override 1

Injection, Active

Oil, Temporarily Abandoned
- 




Oil, Active

Oil, Cancelled

Oil, Plugged
- 

Gas, Active

Gas, Plugged

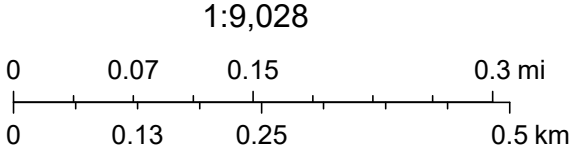
Gas, Temporarily Abandoned
- 

Karst Occurrence Potential

Low

PLSS Second Division

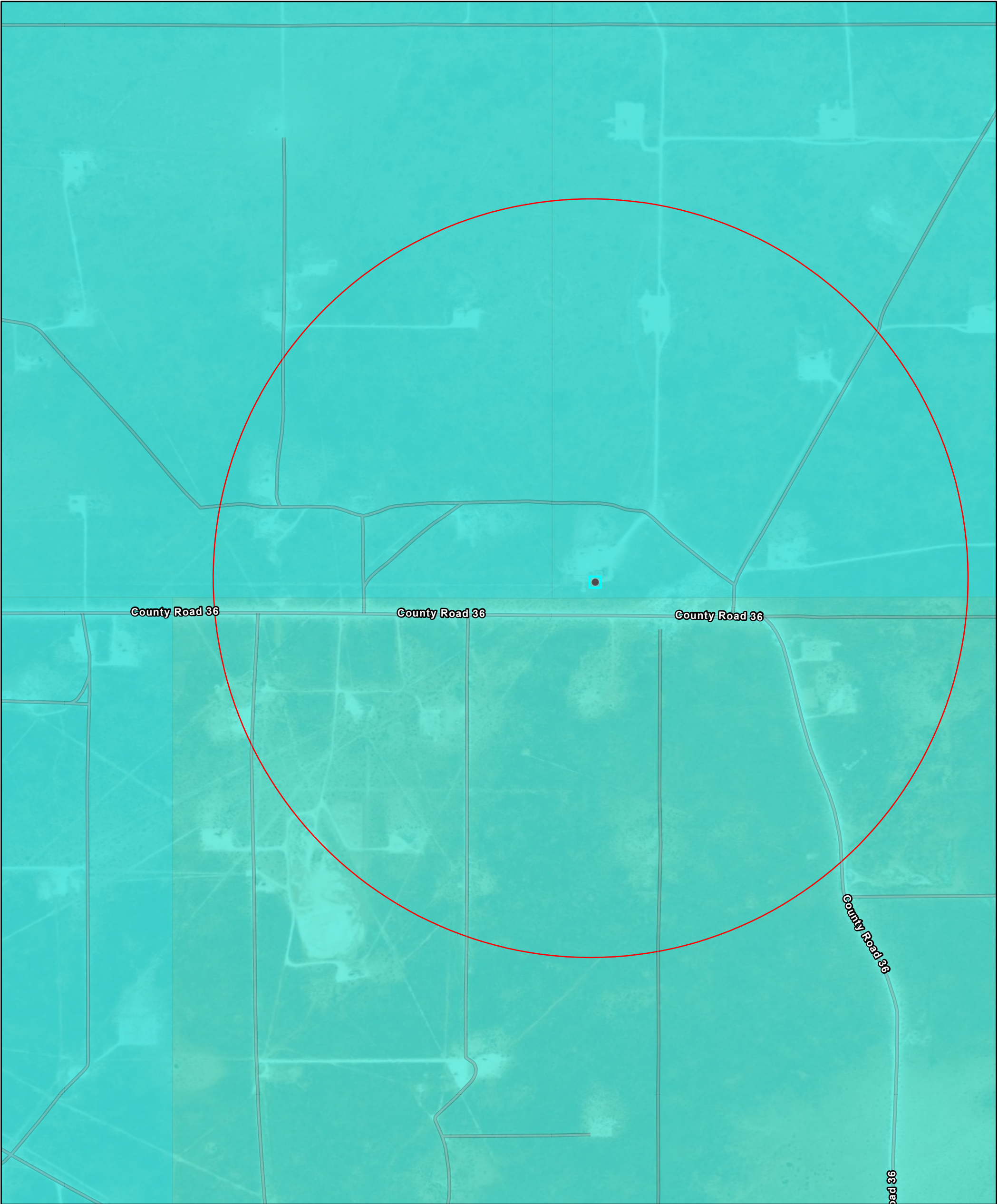
PLSS First Division







BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, OCD, BLM

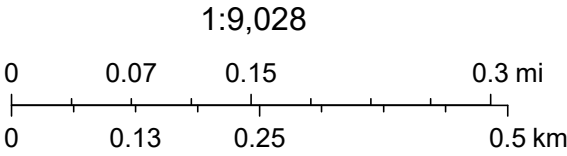


# OSE POD Map



6/5/2025, 8:39:53 AM

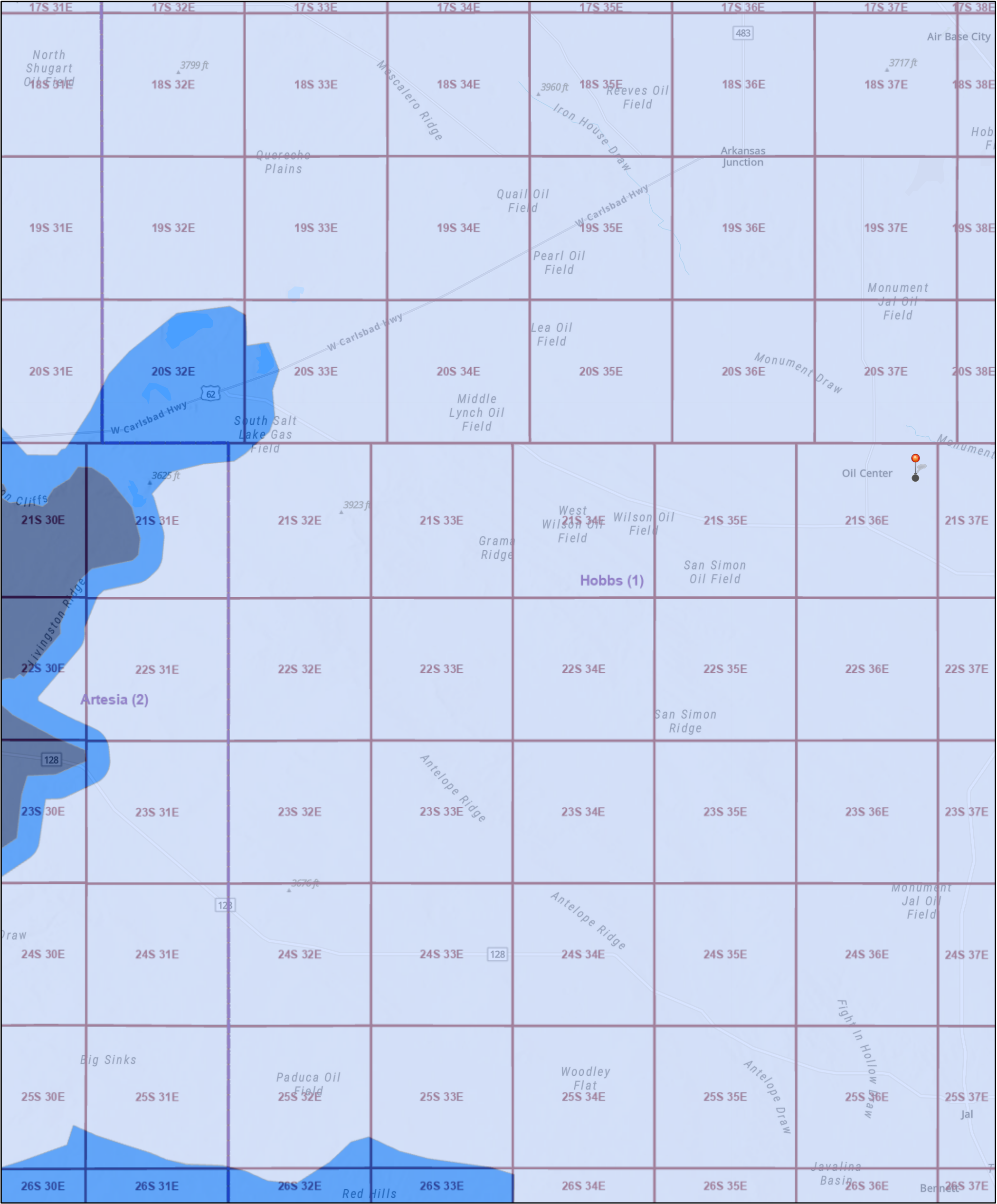
-  OSE District Boundary
- Water Right Regulations
-  Closure Area
-  Artesian Plan Area
- New Mexico State Trust Lands
-  Both Estates




Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar




# State F Battery Karst Map




6/5/2025, 8:58:36 AM




Override 1




Low




High




Medium



OCD Districts



OCD District Offices



PLSS Townships

1:288,895

02.755.511

mi

04.5918

km

BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, OCD, BLM

Released to Imaging: 8/11/2025 4:10:42 PM

New Mexico Oil Conservation Division  
OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division



# National Flood Hazard Layer FIRMette



103°13'54"W 32°30'19"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



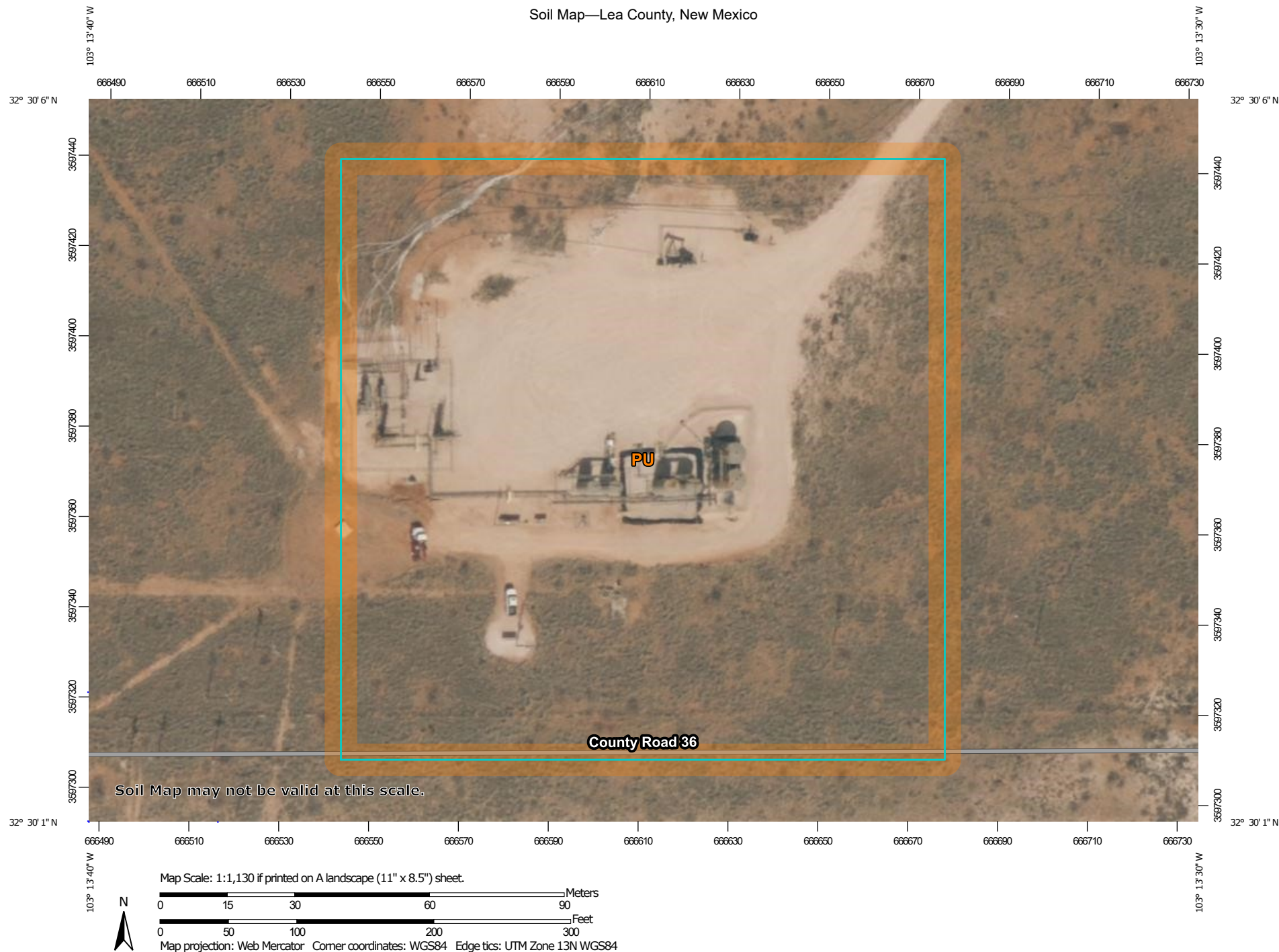
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/5/2025 at 2:01 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Soil Map—Lea County, New Mexico



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

6/4/2025  
Page 1 of 3



## Soil Map—Lea County, New Mexico

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

## Water Features



Streams and Canals

## Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	4.4	100.0%
Totals for Area of Interest		4.4	100.0%

Remediation Report and Closure Request  
State F Battery Release  
Incident ID# nAPP2415647355

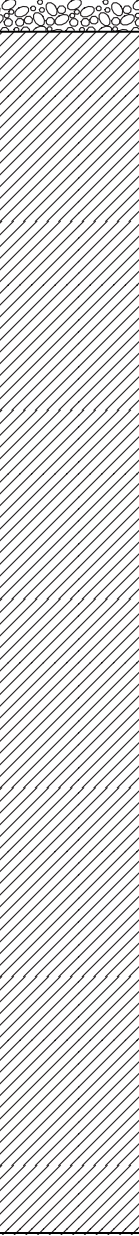
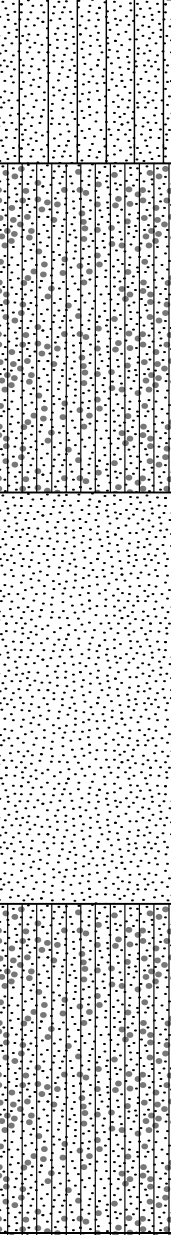
Maverick Permian, LLC  
June 6, 2025

## ATTACHMENT 2 – BORELOGS

# BORING LOG: State F Battery DTW

<b>PROJECT NUMBER:</b> 212C-MD-03708	<b>DRILLING COMPANY:</b> H&R Enterprises	<b>LATITUDE:</b> 32.501526°
<b>PROJECT NAME:</b> State F Battery Remediation	<b>DRILL RIG:</b> Air Rotary Rig	<b>LONGITUDE:</b> -103.225944°
<b>CLIENT:</b> Maverick Permian, LLC	<b>DRILLING METHOD:</b> Air Rotary	<b>SURFACE ELEVATION:</b> 3,518 Feet AMSL
<b>ADDRESS:</b> 1410 NW County Road Hobbs, NM 88240	<b>BORING TYPE:</b> Depth-to-Water	<b>LOGGED BY:</b> Jorge Fernandez-Velo
	<b>TOTAL DEPTH:</b> 75 feet	<b>CHECKED BY:</b> Charles Terhune
	<b>DIAMETER:</b> 8 inches	

**COMMENTS:** AMSL: Above Mean Sea Level

Depth (Feet)	Drilling Method	Boring Completion	Graphic Log	Material Description
5	AR			Silty Sand, dark red, moist, medium dense, non-plastic. Light brown from 5 to 10 feet bgs.
10				Silty Sand with caliche, light brown, dry, medium dense, non plastic. Light red from 20 to 30 feet bgs.
15				
20				
25				Sand with silt, light red, dry, dense, non-plastic.
30				
35				
40				
45				Silty sand with caliche, light red, medium dense, non-plastic.
50				
55				
60				
65				End of Hole at 75 feet below ground surface. No groundwater encountered, Hole plugged with hydrated bentonite.
70				
75				

**Disclaimer** This bore log is intended for environmental not geotechnical purposes.

Page 1 of 1

Remediation Report and Closure Request  
State F Battery Release  
Incident ID# nAPP2415647355

Maverick Permian, LLC  
June 6, 2025

## **ATTACHMENT 3 – PHOTOGRAPHIC DOCUMENTATION**



NE

E

SE

S

30

60

90

120

150

180

210

☉ 117°SE (T) LAT: 32.501052 LON: -103.226578 ±4m ▲ 1078m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Jan 16 2025, 14:26:48 MST





☀ 72°E (T) LAT: 32.501070 LON: -103.226592 ±4m ▲ 1077m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Jan 16 2025, 14:26:56 MST





☉ 310°NW (T) LAT: 32.501008 LON: -103.226698 ±2m ▲ 1075m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Jan 16 2025, 14:27:15 MST



SW

W

NW

N

210

240

270

300

330

0

☉ 292°W (T) LAT: 32.500986 LON: -103.226684 ±3m ▲ 1076m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Jan 16 2025, 14:27:24 MST



E

SE

S

SW

60

90

120

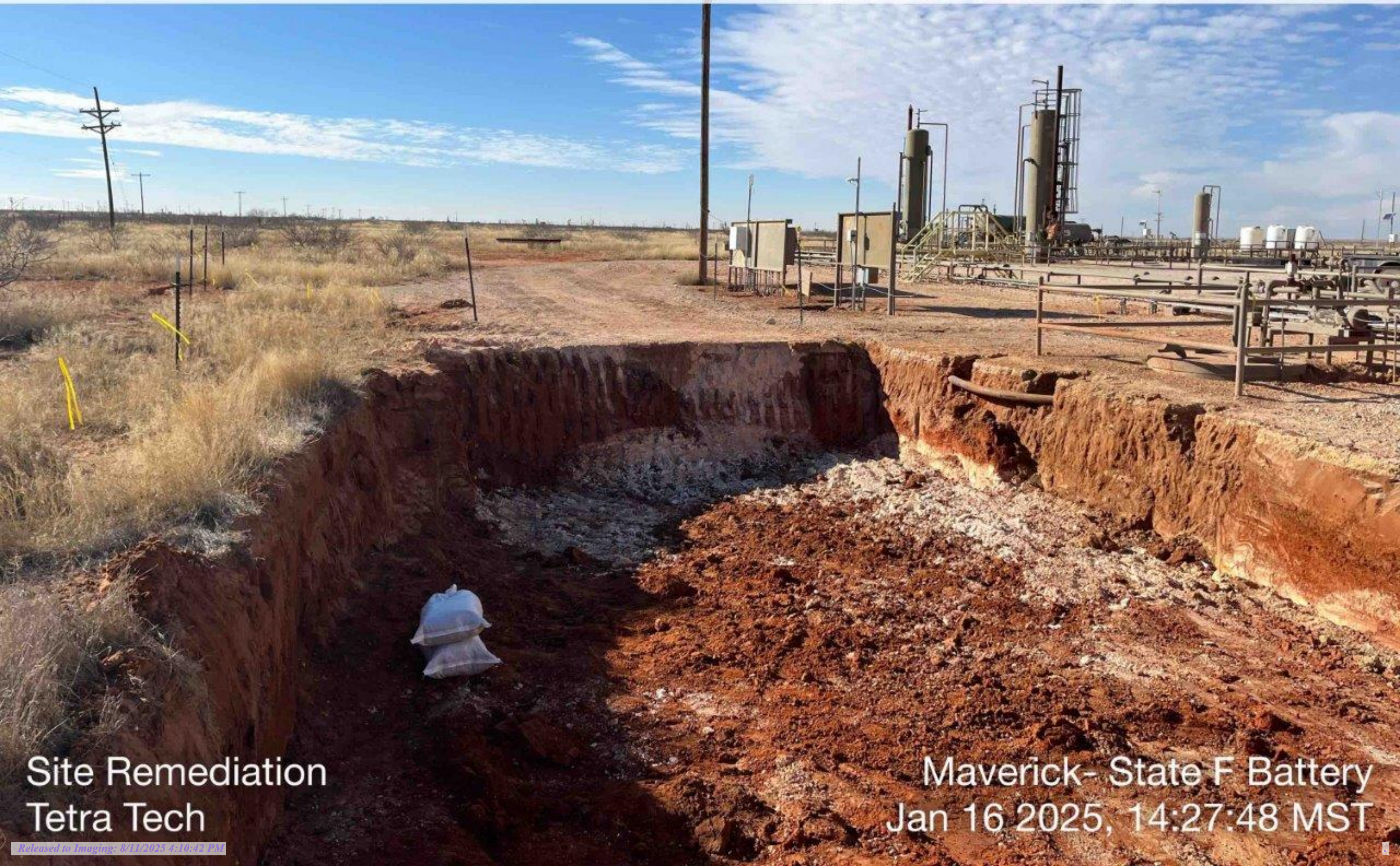
150

180

210

240

☀ 151°SE (T) LAT: 32.500995 LON: -103.226553 ±2m ▲ 1074m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Jan 16 2025, 14:27:48 MST



SE

S

SW

W

120

150

180

210

240

270

☀ 198°S (T) LAT: 32.500984 LON: -103.226531 ±3m ▲ 1076m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Jan 16 2025, 14:28:00 MST



SE

S

SW

W

120

150

180

210

240

270

☉ 198°S (T) LAT: 32.500991 LON: -103.226526 ±3m ▲ 1076m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Jan 16 2025, 14:28:06 MST





☉ 258°W (T) **LAT: 32.501052 LON: -103.226382 ±4m ▲ 1077m**



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Feb 12 2025, 15:49:16 MST





☉ 269°W (T) **LAT: 32.501013 LON: -103.226265 ±3m ▲ 1075m**



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Feb 12 2025, 15:49:32 MST





☉ 353°N (T) **LAT: 32.500930 LON: -103.226607 ±3m ▲ 1076m**



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Feb 12 2025, 15:50:03 MST





☉ 75°E (T) LAT: 32.500976 LON: -103.226709 ±3m ▲ 1074m



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Feb 12 2025, 15:50:15 MST





☉ 104°E (T) **LAT: 32.501040 LON: -103.226642 ±4m ▲ 1074m**



Site Remediation  
Tetra Tech

Maverick- State F Battery  
Feb 12 2025, 15:50:27 MST



Remediation Report and Closure Request  
State F Battery Release  
Incident ID# nAPP2415647355

Maverick Permian, LLC  
June 6, 2025

## **ATTACHMENT 4 – LABORATORY ANALYTICAL DATA**



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

---

January 16, 2025

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: STATE F BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 12:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 3 ( 4.0' ) (H250128-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	1.87	93.6	2.00	0.508	
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932	
Total BTX	<0.300	0.300	01/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	592	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 4 ( 4.0' ) (H250128-02)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	48.0	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 5 ( 4.0' ) (H250128-03)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTX	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	22.5	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 6 ( 4.0' ) (H250128-04)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 7 ( 4.0' ) (H250128-05)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 8 ( 4.0' ) (H250128-06)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3560	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 9 ( 4.0' ) (H250128-07)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEX	<0.300	0.300	01/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1090	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 10 ( 4.0' ) (H250128-08)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEX	<0.300	0.300	01/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2060	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	43.3	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: BH - 11 ( 4.0' ) (H250128-09)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 4 (H250128-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-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	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 3 (H250128-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEX	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 2 (H250128-12)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/13/2025	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	01/14/2025	ND	189	94.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	199	99.3	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 1 (H250128-13)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEX	<0.300	0.300	01/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/13/2025	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	01/13/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 23 (H250128-14)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEX	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-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	01/13/2025	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	01/13/2025	ND	201	100	200	2.67		
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	171	85.5	200	7.51		
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND						

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 22 (H250128-15)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEX	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/13/2025	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	01/13/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 8 (H250128-16)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEX	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/13/2025	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	01/13/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/10/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SW - 21 (H250128-17)**

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	01/14/2025	ND	1.87	93.6	2.00	0.508		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	0.0609		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.08	104	2.00	0.804		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.22	104	6.00	0.932		
Total BTEx	<0.300	0.300	01/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/13/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 1 of 1

901 W Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

ANALYSIS REQUEST

Project Name: 281-755-8965

State F Battery Release

[chuck.terhune@tetrattech.com](mailto:chuck.terhune@tetrattech.com)

Project Location: (county, state)	Lea County, NM
Project #:	212C-MD-03708

**Invoice to:**

Receiving Laboratory: \_\_\_\_\_

Sampler Signature: \_\_\_\_\_

Jorge Fernandez

Comments:

Include : Chris Straub [Chris.Straub@tetrattech.com](mailto:Chris.Straub@tetrattech.com) Jorge.Fernandez@tetrattech.com

[illegible]

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: 1223

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: James A. Baker  
Date: 1-13-85 Time:

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

REMARKS: Standard 1A1

LAB USE ONLY

Sample Temperature

☒ RUSH: Same Day 24 hr 48 hr 72 hr

Sample Temperature  
22.4-14.0  
15-20  
15-20

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle)	HAND DELIVERED	FEDEX	UPS	Tracking #

ORIGINAL COPY



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Page 21 of 21

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January 16, 2025

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: STATE F BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 12:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 9 (H250144-01)**

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	01/14/2025	ND	1.76	88.2	2.00	9.20	
Toluene*	<0.050	0.050	01/14/2025	ND	1.98	99.2	2.00	6.36	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	5.38	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.29	105	6.00	6.15	
Total BTEX	<0.300	0.300	01/14/2025	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	32.0	16.0	01/13/2025	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 20 (H250144-02)**

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	01/14/2025	ND	1.76	88.2	2.00	9.20		
Toluene*	<0.050	0.050	01/14/2025	ND	1.98	99.2	2.00	6.36		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	5.38		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.29	105	6.00	6.15		
Total BTEX	<0.300	0.300	01/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	01/13/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 12 ( 4.0' ) (H250144-03)**

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	01/14/2025	ND	1.76	88.2	2.00	9.20		
Toluene*	<0.050	0.050	01/14/2025	ND	1.98	99.2	2.00	6.36		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	5.38		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.29	105	6.00	6.15		
Total BTEX	<0.300	0.300	01/14/2025	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	304	16.0	01/13/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 13 ( 4.0' ) (H250144-04)**

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	01/14/2025	ND	1.76	88.2	2.00	9.20		
Toluene*	<0.050	0.050	01/14/2025	ND	1.98	99.2	2.00	6.36		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	5.38		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.29	105	6.00	6.15		
Total BTEX	<0.300	0.300	01/14/2025	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	704	16.0	01/13/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/16/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 14 ( 4.0' ) (H250144-05)**

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	01/14/2025	ND	1.76	88.2	2.00	9.20		
Toluene*	<0.050	0.050	01/14/2025	ND	1.98	99.2	2.00	6.36		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	5.38		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.29	105	6.00	6.15		
Total BTEX	<0.300	0.300	01/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	672	16.0	01/13/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	201	100	200	2.67	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	171	85.5	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager

**Tetra Tech, Inc.**



(Circle or Specify Method No.)

ORIGINAL COPY



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January 23, 2025

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: STATE F BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/20/25 16:32.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 10 (H250335-01)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	160	16.0	01/21/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 11 (H250335-02)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	160	16.0	01/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 12 (H250335-03)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	176	16.0	01/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 13 (H250335-04)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	96.0	16.0	01/21/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 14 (H250335-05)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	96.0	16.0	01/21/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 15 (H250335-06)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	112	16.0	01/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 16 (H250335-07)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	128	16.0	01/22/2025	ND	416	104	400	3.77	QR-03	

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	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 17 (H250335-08)**

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	01/21/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/21/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	144	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 18 (H250335-09)**

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	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: SW - 19 (H250335-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 15 (H250335-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	544	16.0	01/22/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 16 (H250335-12)**

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	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	480	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 17 (H250335-13)**

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	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 18 (H250335-14)**

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	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 19 (H250335-15)**

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	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	432	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 20 (H250335-16)**

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	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 21 (H250335-17)**

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	01/22/2025	ND	1.87	93.5	2.00	3.13		
Toluene*	<0.050	0.050	01/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.87	93.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.48	91.3	6.00	3.30		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 22 (H250335-18)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/21/2025	ND	1.97	98.4	2.00	3.58		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	99.1	2.00	3.44		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	2.07	104	2.00	4.06		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	6.16	103	6.00	3.76		
Total BTX	<0.300	0.300	01/21/2025	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	480	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 23 (H250335-19)**

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	01/21/2025	ND	1.97	98.4	2.00	3.58		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	99.1	2.00	3.44		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	2.07	104	2.00	4.06		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	6.16	103	6.00	3.76		
Total BTEX	<0.300	0.300	01/21/2025	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	512	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/21/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/20/2025	Sampling Date:	01/20/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

**Sample ID: BH - 24 (H250335-20)**

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	01/21/2025	ND	1.97	98.4	2.00	3.58		
Toluene*	<0.050	0.050	01/21/2025	ND	1.98	99.1	2.00	3.44		
Ethylbenzene*	<0.050	0.050	01/21/2025	ND	2.07	104	2.00	4.06		
Total Xylenes*	<0.150	0.150	01/21/2025	ND	6.16	103	6.00	3.76		
Total BTEX	<0.300	0.300	01/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	480	16.0	01/22/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	192	95.8	200	2.66	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.5	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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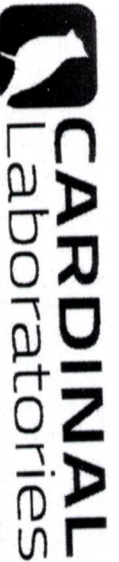
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Cardinal</b>		P.O. #:		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																																			
Project Manager: <b>Chris Strub</b>		Company: <b>Textek</b>																																							
Address:		Attn: <b>Chris Strub</b>																																							
City:		Address:																																							
Phone #:		City:																																							
Fax #:		State:																																							
Project #:		Zip:																																							
Project Name: <b>State F Bath</b>		Phone #:																																							
Project Location: <b>Lea Co. NM</b>		Fax #:																																							
Sampler Name: <b>AK</b>																																									
FOR LAB USE ONLY																																									
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													
H350325		SW-10		-		1						X										X		1/20				X		BTEX											
SW-11																												X		TPH											
SW-12																												X		Chloride											
SW-13																																									
SW-14																																									
SW-15																																									
SW-16																																									
SW-17																																									
SW-18																																									
SW-19																																									
10																																									
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Relinquished By: <b>Cardinal</b>		Date: <b>1/20</b>		Time: <b>11:53</b>		Received By: <b>AK</b>		Date: <b>1/20</b>		Time: <b>1:00</b>																															
Delivered By: (Circle One)		Observed Temp. °C: <b>8.0</b>		Corrected Temp. °C: <b>8.0</b>		Sample Condition: <b>Intact</b>		Checked By: <b>AK</b>		Turnaround Time: <b>72 hr</b>																															
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No		Sample Condition: <input type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C: <b>72 hr</b>																															
Remarks: <b>Cardinal</b>																																									
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No																																									
All Results are emailed. Please provide Email address:																																									





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

<b>Company Name:</b> Tetratex <b>Project Manager:</b> Chris Straube <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: <b>Project Name:</b> State F Batt <b>Project Location:</b> Lea Co. NM <b>Sample Name:</b> AS <small>FOR LAB USE ONLY</small>				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Tetratex <b>Attn:</b> Chris Straube <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Sample Name:</b> AS				<b>ANALYSIS REQUEST</b>			
<b>Lab I.D.</b> <b>Sample I.D.</b>		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING		DATE TIME		BTEX TPH Chloride			
11	BH-15										
12	BH-16										
13	BH-17										
14	BH-18										
15	BH-19										
16	BH-20										
17	BH-21										
18	BH-22										
19	BH-23										
20	BH-24										

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<b>Relinquished By:</b> Date: 1/20 Time: 11:30 <b>Received By:</b> Date: 1/20 Time: 1:00 Received By: A. D. Davis	<b>Delivered By:</b> (Circle One) Observed Temp. °C: 20°C Corrected Temp. °C: 20°C Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #440 Correction Factor -0.5°C Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C
<b>Relinquished By:</b> Date: 1/20 Time: 11:30 Received By: A. D. Davis	<b>REMARKS:</b> Chris. Straube tetratex / Jorg. fernandez @ tetratex

Verbal Result: ☐ Yes ☐ No Add'l Phone #:  
All Results are emailed. Please provide Email address:

FORM 0001-3-3-0010724

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





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

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February 04, 2025

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: STATE F BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/31/25 10:02.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/31/2025	Sampling Date:	01/31/2025
Reported:	02/04/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: BH - 1 (4.0') (H250584-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2025	ND	1.70	85.2	2.00	3.66	GC-NC	
Toluene*	<0.050	0.050	01/31/2025	ND	1.83	91.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.81	90.6	2.00	4.05		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.54	92.3	6.00	4.84		
Total BTX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	400	16.0	01/31/2025	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	01/31/2025	ND	180	89.9	200	3.06	
DRO >C10-C28*	66.9	10.0	01/31/2025	ND	173	86.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/31/2025	Sampling Date:	01/31/2025
Reported:	02/04/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: BH - 2 (4.0') (H250584-02)**

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	01/31/2025	ND	1.70	85.2	2.00	3.66		
Toluene*	<0.050	0.050	01/31/2025	ND	1.83	91.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.81	90.6	2.00	4.05	GC-NC	
Total Xylenes*	0.250	0.150	01/31/2025	ND	5.54	92.3	6.00	4.84	GC-NC1	
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	
<b>Chloride</b>	<b>1100</b>	16.0	01/31/2025	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	01/31/2025	ND	180	89.9	200	3.06	
<b>DRO &gt;C10-C28*</b>	<b>84.6</b>	10.0	01/31/2025	ND	173	86.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/31/2025	Sampling Date:	01/31/2025
Reported:	02/04/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: SW - 5 (H250584-03)**

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	01/31/2025	ND	1.70	85.2	2.00	3.66		
Toluene*	<0.050	0.050	01/31/2025	ND	1.83	91.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.81	90.6	2.00	4.05		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.54	92.3	6.00	4.84		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	01/31/2025	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	01/31/2025	ND	180	89.9	200	3.06	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	173	86.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/31/2025	Sampling Date:	01/31/2025
Reported:	02/04/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: SW - 7 (H250584-04)**

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	01/31/2025	ND	1.70	85.2	2.00	3.66		
Toluene*	<0.050	0.050	01/31/2025	ND	1.83	91.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.81	90.6	2.00	4.05		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.54	92.3	6.00	4.84		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	01/31/2025	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	01/31/2025	ND	180	89.9	200	3.06	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	173	86.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	01/31/2025	Sampling Date:	01/31/2025
Reported:	02/04/2025	Sampling Type:	Soil
Project Name:	STATE F BATTERY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03708	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: SW - 6 (H250584-05)**

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	01/31/2025	ND	1.70	85.2	2.00	3.66		
Toluene*	<0.050	0.050	01/31/2025	ND	1.83	91.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	1.81	90.6	2.00	4.05		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	5.54	92.3	6.00	4.84		
Total BTEX	<0.300	0.300	01/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	01/31/2025	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	01/31/2025	ND	180	89.9	200	3.06	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	173	86.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name: Maverick Natural Resources

Site Manager:

Chuck Terhune

Project Name: State F Battery Release

281-755-8965

[chuck.terhune@tetratech.com](mailto:chuck.terhune@tetratech.com)

Project Location: Lea County, NM

Project #:

212C-MD-03708

Invoice to:

Attn: Chuck Terhune

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

Comments:

Include : Chris Straub [Chris.Straub@tetratech.com](mailto:Chris.Straub@tetratech.com) Jorge.Fernandez@tetratech.com

LAB # 14350584

LAB USE ONLY

SAMPLING	DATE	TIME	MATRIX				PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
			WATER	SOIL	HCL	HNO <sub>3</sub>	ICE					

1	BH-1 (4.0)	1/31/2025	800	X			X					
2	BH-2(4.0)	1/31/2025	805	X			X					
3	SW-5	1/31/2025	810	X			X					
4	SW-7	1/31/2025	815	X			X					
5	SW-6	1/31/2025	820	X			X					

Relinquished by: Date: Time: 1001

Relinquished by: Date: Time: 1-31-25

Relinquished by: Date: Time:

Received by: Date: Time: 1002

Received by: Date: Time:

ANALYSIS REQUEST  
(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M ( GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	

Hold

REMARKS: Standard TAT

LAB USE ONLY

Sample Temperature

40.0  
40.0  
40.0

- ☒ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



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

QUESTIONS

Action 471628

**QUESTIONS**

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 471628
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2415647355
Incident Name	NAPP2415647355 STATE F BATTERY @ 30-025-26802
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-26802] STATE F 1 #009

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

Site Name	State F Battery
Date Release Discovered	05/28/2024
Surface Owner	State

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

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

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

Crude Oil Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Crude Oil   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 17 BBL   Recovered: 0 BBL   Lost: 17 BBL.
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.

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QUESTIONS, Page 2

Action 471628

**QUESTIONS (continued)**

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**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: Aimee Cole Email: <a href="mailto:acole@ensolum.com">acole@ensolum.com</a> Date: 06/04/2024
--	---



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QUESTIONS, Page 3

Action 471628

**QUESTIONS (continued)**

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	Action Number: 471628
	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 75 and 100 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	3560
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	84.6
GRO+DRO (EPA SW-846 Method 8015M)	84.6
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.3

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	12/11/2024
On what date will (or did) the final sampling or liner inspection occur	02/04/2025
On what date will (or was) the remediation complete(d)	01/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1900
What is the estimated volume (in cubic yards) that will be remediated	325

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 471628

**QUESTIONS (continued)**

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	Action Number: 471628
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	30-025-26802 STATE F 1 #009
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: <a href="mailto:chuck.terhune@tetrattech.com">chuck.terhune@tetrattech.com</a> Date: 06/06/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 5  
  
Action 471628

QUESTIONS (continued)

Operator:  Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID:  331199
	Action Number:  471628
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 471628

**QUESTIONS (continued)**

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	Action Number: 471628
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	425635
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2025
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	800

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1900
What was the total volume (cubic yards) remediated	324
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Release was constrained to on pad and remediation of the pad was completed and the pad surface was restored to the previous condition. Reclamation will be performed at the end of life of the facility.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
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: Chuck Terhune Title: Program Manager Email: <a href="mailto:chuck.terhune@tetrattech.com">chuck.terhune@tetrattech.com</a> Date: 06/06/2025



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QUESTIONS, Page 7  
  
Action 471628

QUESTIONS (continued)

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	Action Number:  471628
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 471628

CONDITIONS

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	Action Number: 471628
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	8/11/2025