TETRA TECH

August 13, 2025

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

Re: Remediation Report and Closure Request
Maverick Permian, LLC
Oxy State F1 Battery Release
Unit Letter Unit Letter M, Section 01, Township 21 South, Range 36 East
Lea County, New Mexico
Incident ID# nAPP2317958480

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contracted by Maverick Natural Resources (Maverick) to assess a spill that occurred at the Oxy State F1 Battery. 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 release occurred at coordinates 32.5012472°, -103.2262938°, as shown in **Figure 1**.

BACKGROUND

On June 27, 2023, Maverick Natural Resources (Maverick) discovered that a release had occurred due to the overfilling of a produced water tank within the tank battery, releasing approximately 50 barrels of produced water into what was reportedly a lined secondary containment structure. Tetra Tech performed a site visit and preliminary liner inspection on August 2, 2023, and found the release also went into an apparent unlined portion of the tank battery secondary containment.

SITE CHARACTERIZATION

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**.

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**

Wetlands

Readily available data were reviewed to determine the status of the Site regarding wetland designation or potential wetlands existence. The U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Wetlands

Tetra Tech, Inc.
1500 CityWest Boulevard, Suite 1000, Houston, Texas 77042
Tel +1.832.251.5160 | tetratech.com/oga | tetratech.com

Interactive Mapper and the New Mexico OpenEnviroMap were queried to determine if any potential wetlands are mapped near the remediation location. Based on the NWI and OpenEnviroMap review, The Site is not identified as having a mapped wetland within 300 feet of the Site.

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.

Cultural Properties Protection

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 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. The Remediation memo is attached as **Attachment 3**.

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, which is classified as a sand with a published soil profile of fine sand from the surface to 30 inches below ground surface (bgs), fine sandy loam from 30 to 60 inches bgs. The USDA NCRS Soil Map and soil profile are provided in **Attachment 1**.

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 was used to determine recommended remedial action levels for Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), Total Petroleum Hydrocarbons (TPH) in soil.

Based on the site characterization approved by the NMOCD Remediation Work Plan, and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site for groundwater between 51 and 100 feet bgs 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 (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC), the following reclamation requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations 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

INITIAL RESPONSE ACTIVITIES

The release occurred due to an overfilling of a produced water tank within the tank battery into an approximately 1,375-square-foot area, as shown in **Figure 2**. According to Site records, initial response actions were taken by Maverick at the release site on June 27, 2023. On August 2, 2023. Tetra Tech performed a site visit and preliminary inspection and found that the release occurred into a section of unlined tank battery secondary containment.

REMEDIATION AND CONFIRMATION SAMPLING

Excavation activities commenced on December 13, 2024, and concluded on February 7, 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 least 2 feet from pressurized lines where hydro-excavation and hand-digging were employed.

McNabb excavated 230 cubic yards of contaminated soil from an approximately 1,375-square-foot area and transported it to R360 for off-site disposal. Photographs of the final excavation are provided in **Attachment 4**

Confirmation Sampling Notification

On December 11, 2024, Tetra Tech notified the NMOCD of the anticipated initial confirmation sampling through the submission of a C-141N Sampling Notification in the NMOCD ePermitting portal and provided subsequent C-141N Sampling Notification submissions through the NMOCD ePermitting portal to cover final confirmation sampling conducted on February 12, 2025.

Confirmation Sampling

Upon reaching the final lateral and vertical excavation extents of the excavation, Tetra Tech collected 15 final confirmation samples, including seven (7) 5-point composite floor samples and eight (8) five-point composite side wall samples from the excavated areas. The remediation excavation confirmation sampling area comprised a total area of 1,375 square feet and a sampling density of approximately one (1) confirmation sample per 197 square feet.

Samples were submitted to Cardinal Laboratory in Hobbs, New Mexico, to analyze 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 Reclamation Requirements, demonstrating clean margins. Shallow confirmation sample laboratory analytical results screened

against Reclamation Requirements are summarized in **Table 1,** and Deep confirmation sample laboratory analytical results screened against RRALs are summarized in **Table 2**. Laboratory analytical data packages, including chain of custody documentation, are included in **Attachment 5**. Confirmation sampling locations and excavation extents are shown in **Figure 3**.

Excavation Backfill

From February 7 through 12, 2025, subsequent to the receipt of final confirmation sampling results, McNabb completed the backfilling of the excavated areas with 250 cubic yards of caliche. Photographic Documentation showing the excavated areas and final grading after backfilling is provided in **Attachment 4**.

Reclamation and Revegetation

No impacted surface areas were present off 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.

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 Oxy State F-1 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

LIST OF ATTACHMENTS

Figures

Tables

Attachments

FIGURES

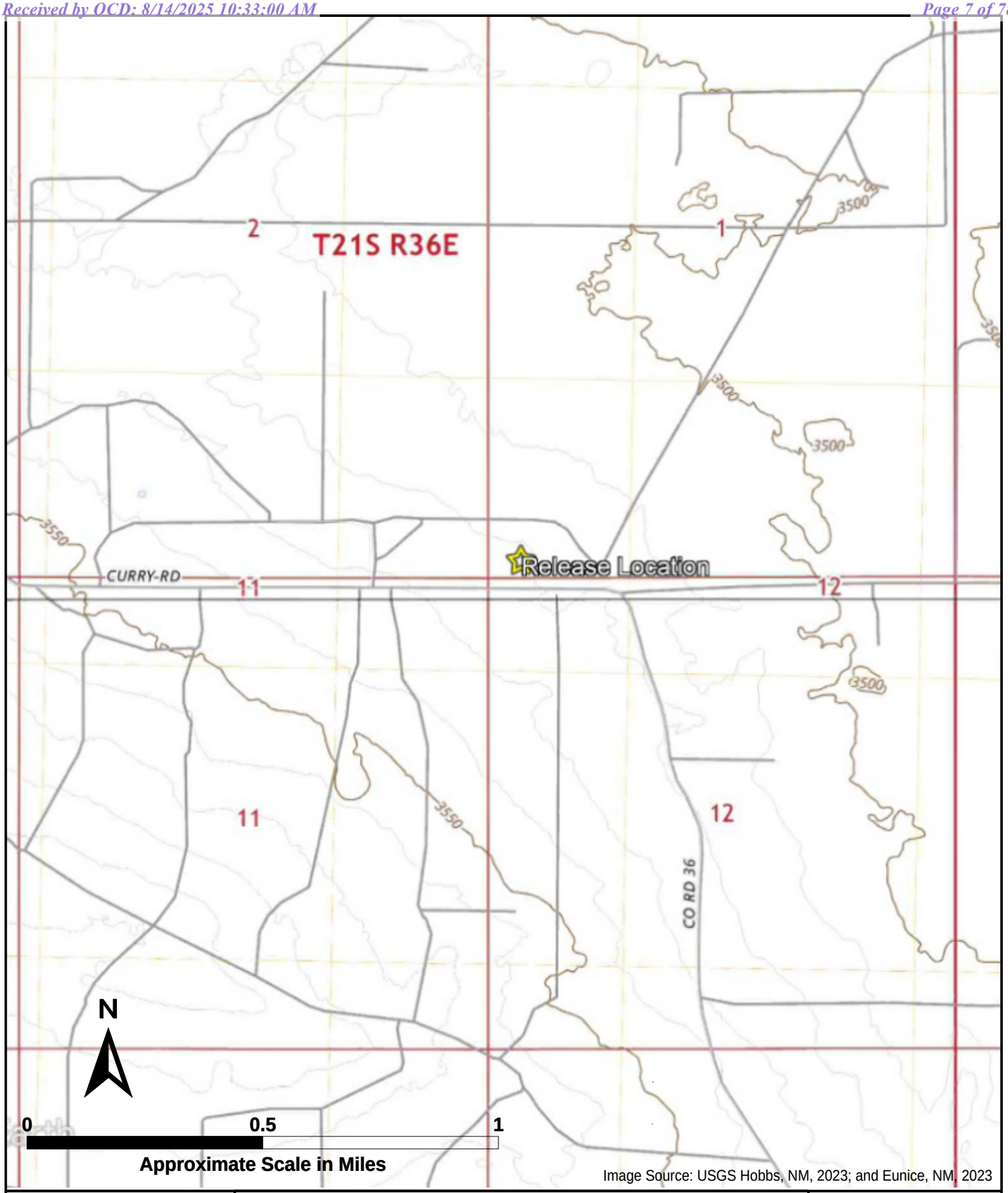


Image Source: USGS Hobbs, NM, 2023; and Eunice, NM, 2023

TETRA TECH

1500 CityWest Boulevard
Suite 1000
Houston, Texas 77042

MAVERICK PERMIAN, LLC
INCIDENT ID: NAPP2317958480
(32.5012472°, -103.2262938°)
Lea County, New Mexico
OXY STATE F1 BATTERY RELEASE
SITE LOCATION AND TOPOGRAPHIC MAP

PROJECT NO: 212C-MD-03170
DATE: AUGUST 13, 2025
DESIGNED BY: CHT

Figure 1

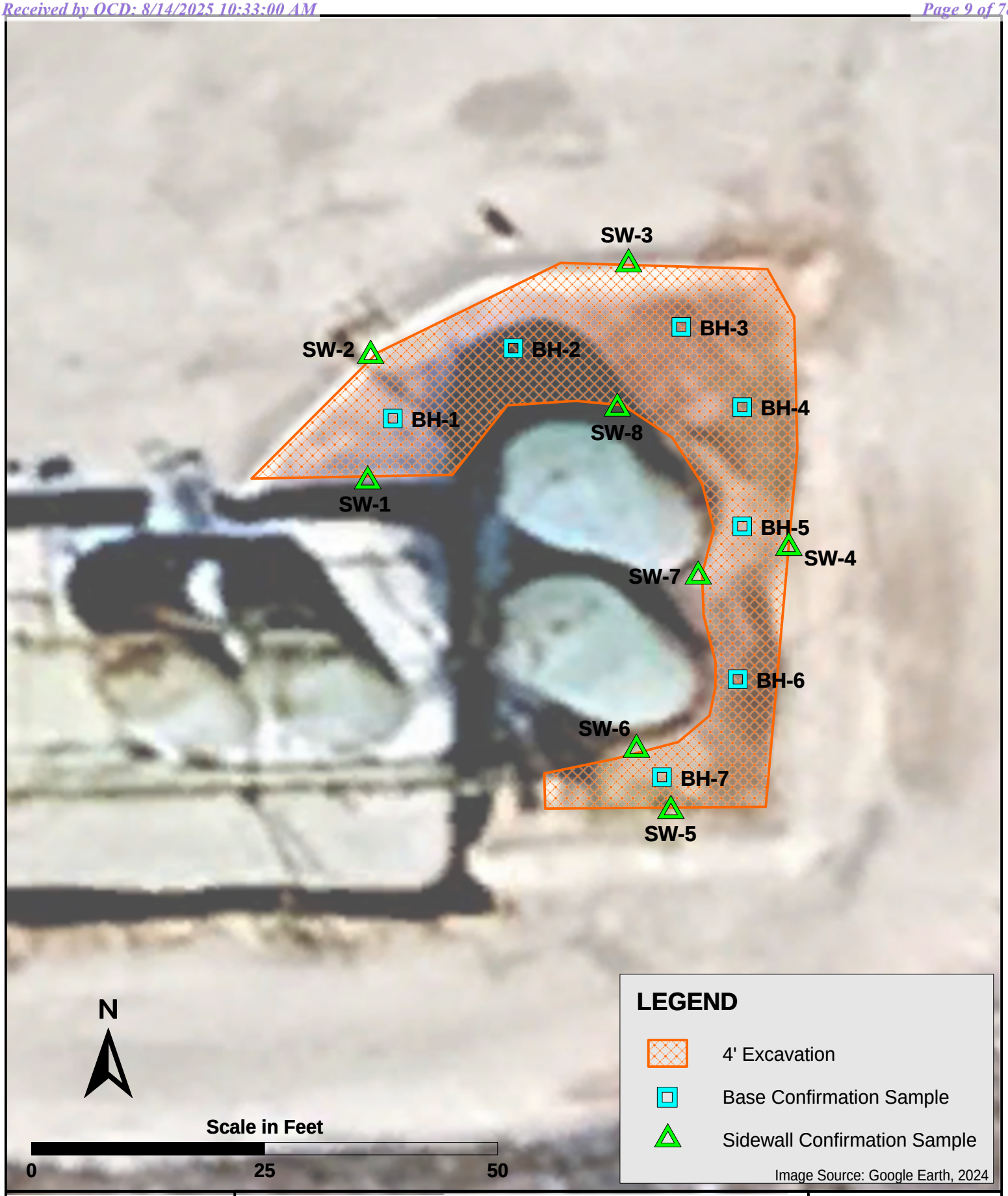
TETRA TECH

1500 CityWest Boulevard
Suite 1000
Houston, Texas 77042

MAVERICK PERMIAN, LLC
INCIDENT ID: NAPP2317958480
(32.501247°, -103.226294°)
Lea County, New Mexico
OXY STATE F1 BATTERY RELEASE
RELEASE EXTENT MAP

PROJECT NO: 212C-MD-03170
DATE: AUGUST 13, 2025
DESIGNED BY: CHT

Figure 2



TETRA TECH

1500 CityWest Boulevard
Suite 1000
Houston, Texas 77042

MAVERICK PERMIAN, LLC
INCIDENT ID: NAPP2317958480
(32.501247°, -103.226294°)
Lea County, New Mexico
OXY STATE F1 BATTERY RELEASE
REMEDIATION EXTENTS MAP

PROJECT NO: 212C-MD-03170
DATE: AUGUST 13, 2025
DESIGNED BY: CHT

Figure 3

TABLES

TETRA TECH

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SHALLOW CONFIRMATION SAMPLING - INCIDENT NAPP2317958480
MAVERICK PERMIAN, LLC
OXY STATE F1 RELEASE
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]										TPH[3]							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		TPH	Total TPH
															C_6 - C_{10}		> C_{10} - C_{28}		> C_{28} - C_{36}		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	Q	mg/kg	mg/kg
Reclamation Requirements (19.15.29 NMAC)			**600**		**10**								**50**								**1,000**	**2,500**
SW-1	2/5/2025	0.0-4.0	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
SW-2	2/5/2025	0.0-4.0	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
SW-3	2/5/2025	0.0-4.0	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
SW-4	2/5/2025	0.0-4.0	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
SW-5	2/5/2025	0.0-4.0	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
SW-6	2/5/2025	0.0-4.0	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
SW-7	2/5/2025	0.0-4.0	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
SW-8	2/5/2025	0.0-4.0	240		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-

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.

TETRA TECH

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DEEP CONFIRMATION SAMPLING - INCIDENT NAPP2317958480
MAVERICK PERMIAN, LLC
OXY STATE F1 RELEASE
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]										TPH[3]							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C_6 - C_{10}		DRO > C_{10} - C_{28}		EXT DRO > C_{28} - C_{36}		TPH GRO+DRO	Total TPH (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	Q	mg/kg	mg/kg
Table 1 Closure Criteria (19.15.29 NMAC)			**10,000**		**10**								**50**								**1,000**	**2,500**
BH-1 (4')	2/5/2025	4.0-4.5	992		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
BH-2 (4')	2/5/2025	4.0-4.5	1,120		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
BH-3 (4')	2/5/2025	4.0-4.5	1,360		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		<10		<10		-	-
BH-4 (4')	2/5/2025	4.0-4.5	1,340		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		28.1		<10		28.1	28.1
BH-5 (4')	2/5/2025	4.0-4.5	1,410		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		11.8		<10		11.8	11.8
BH-6 (4')	2/5/2025	4.0-4.5	1,390		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		15.7		<10		15.7	15.7
BH-7 (4')	2/5/2025	4.0-4.5	1,090		<0.0500		<0.0500		<0.0500		<0.1500		<0.300		<10		19.6		<10		19.6	19.6

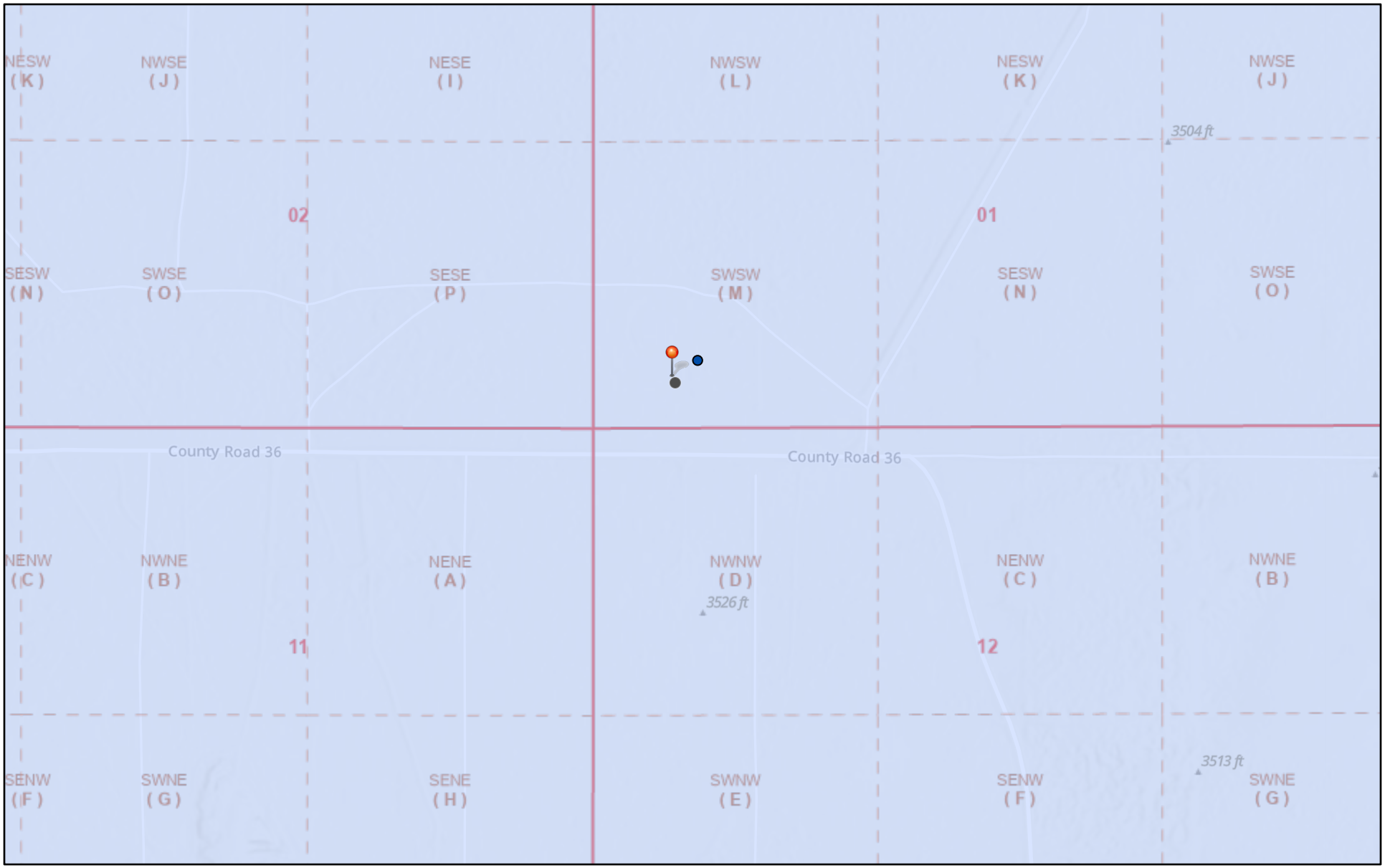
NOTES:

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 Closure Criteria.

ATTACHMENT 1 – SITE CHARACTERIZATION DATA

OCD Well Locations



8/14/2025, 9:37:53 AM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Override 1

OSE Water PODs

Karst Occurrence Potential

Low

PLSS Second Division

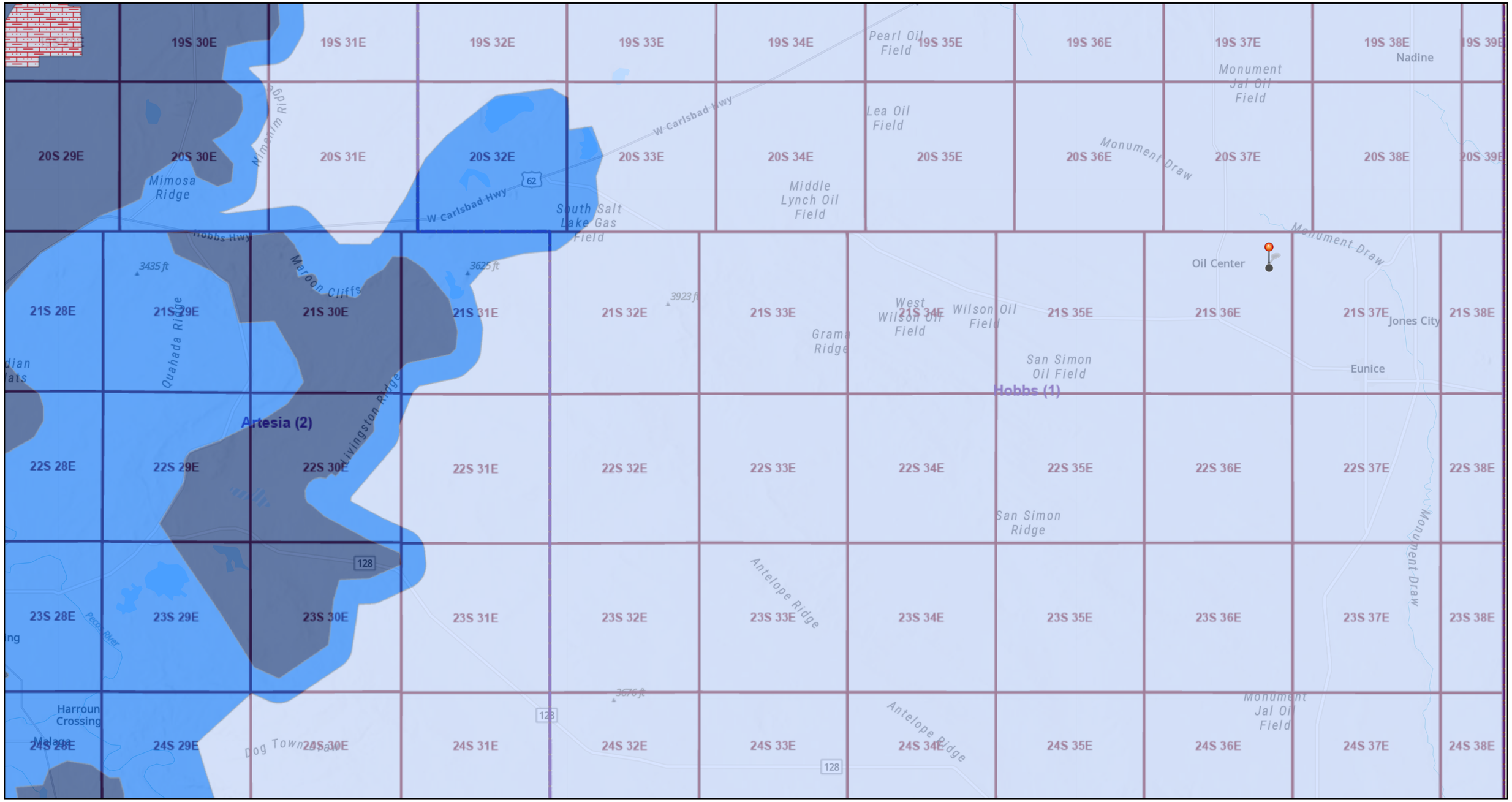
PLSS First Division

BLM, OCD, New Mexico Tech, Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, NASA, NGA,

New Mexico Oil Conservation Division

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

Oxy State F1 Release Karst



4/15/2025, 3:41:23 PM

1:288,895

Override 1

Karst Occurrence Potential

High

Medium

Low

Critical Karst Resource Area

OCD Districts

PLSS Townships

0 3 6 12 mi

0 4.75 9.5 19 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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Oxy State F1 Battery Release

August 13, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 669445 **Northing (Y):** 3583968 **Radius:** 800

U.S. Fish and Wildlife Service
National Wetlands Inventory

Oxy State F1 Battery Release

August 13, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

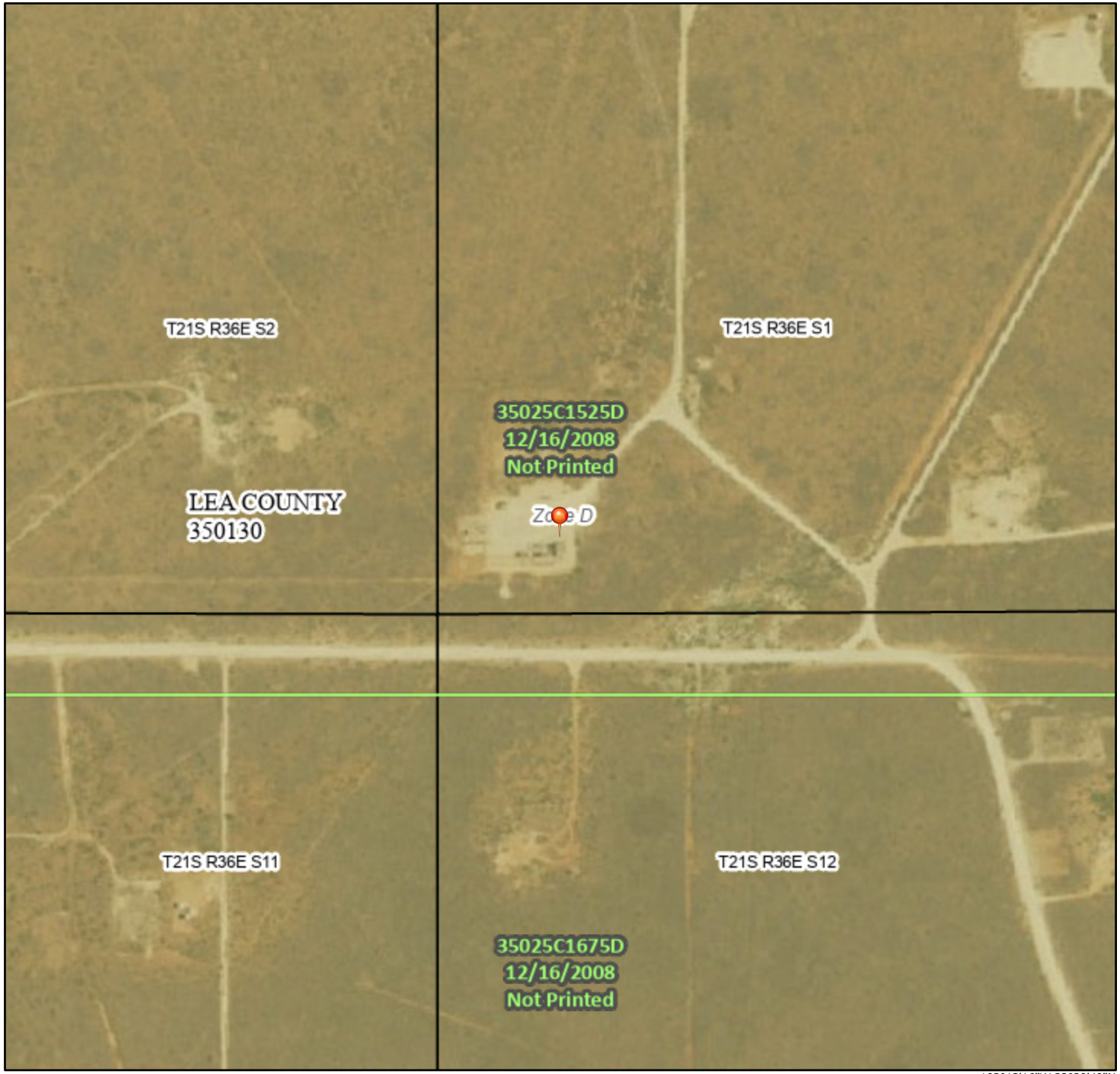
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

National Flood Hazard Layer FIRMette

FEMA

103°13'53"W 32°30'20"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°13'16"W 32°29'49"N

Basemap Imagery Source: USGS National Map 2023

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 / 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
  - Profile Baseline
  - Hydrographic Feature
- **MAP PANELS**
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

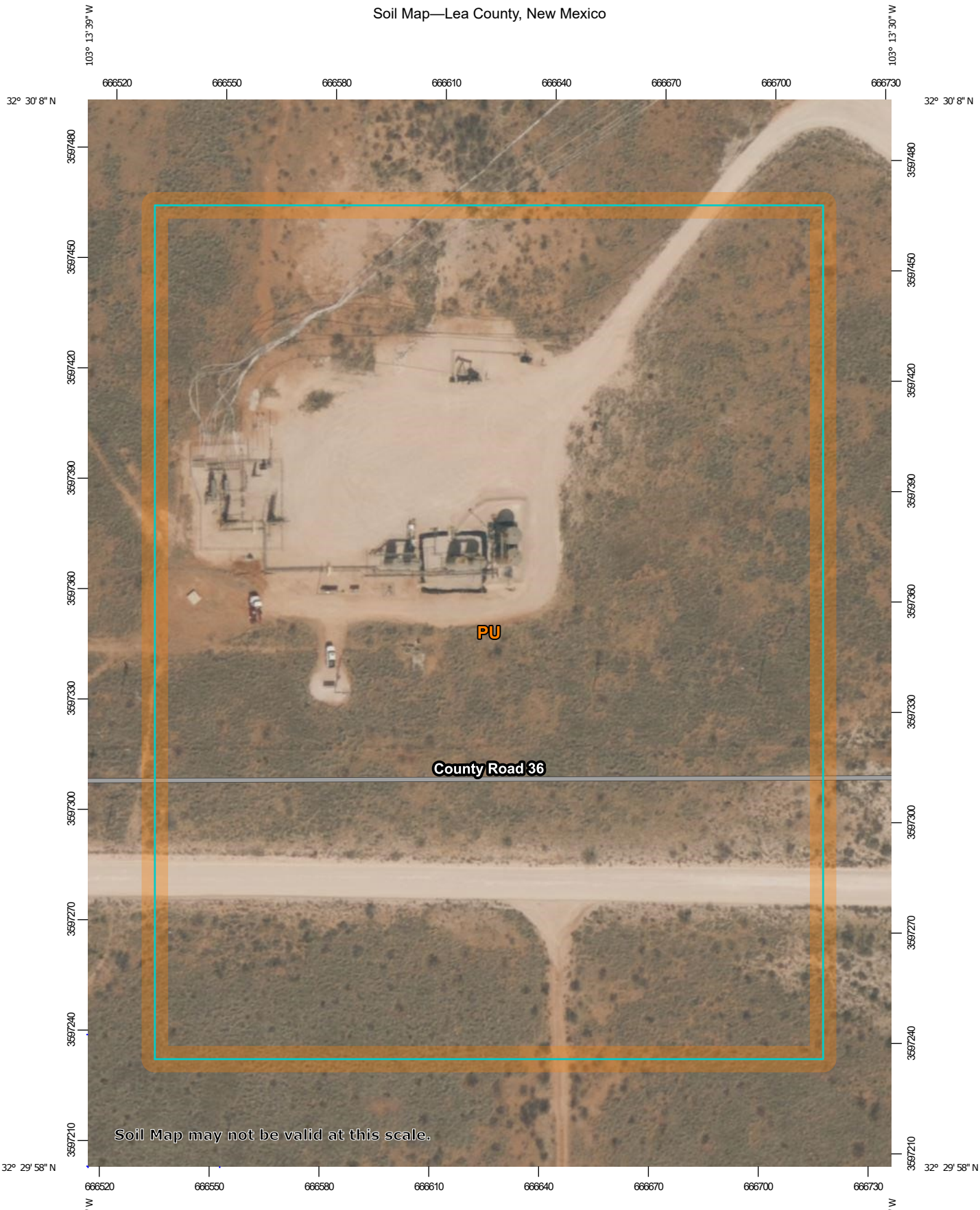
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 4/15/2025 at 8:35 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



Map Scale: 1:1,410 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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	10.5	100.0%
Totals for Area of Interest		**10.5**	**100.0%**

ATTACHMENT 2 – BORE LOGS

TETRA TECH

BORING LOG: State F Battery DTW

PROJECT NUMBER: 212C-MD-03708
PROJECT NAME: State F Battery Remediation
CLIENT: Maverick Permian, LLC
ADDRESS: 1410 NW County Road
Hobbs, NM 88240

DRILLING COMPANY: H&R Enterprises
DRILL RIG: Air Rotary Rig
DRILLING METHOD: Air Rotary
BORING TYPE: Depth-to-Water
TOTAL DEPTH: 75 feet
DIAMETER: 8 inches

LATITUDE: 32.501526°
LONGITUDE: -103.225944°
SURFACE ELEVATION: 3,518 Feet AMSL
LOGGED BY: Jorge Fernandez-Velo
CHECKED BY: Charles Terhune

COMMENTS: AMSL: Above Mean Sea Level

Depth (Feet)	Drilling Method	Boring Completion	Graphic Log	Material Description
0 – 10	AR			Silty Sand, dark red, moist, medium dense, non-plastic. Light brown from 5 to 10 feet bgs.
10 – 30				Silty Sand with caliche, light brown, dry, medium dense, non plastic. Light red from 20 to 30 feet bgs.
30 – 55				Sand with silt, light red, dry, dense, non-plastic.
55 – 75				Silty sand with caliche, light red, medium dense, non-plastic.
75				End of Hole at 75 feet below ground surface. No groundwater encountered, Hole plugged with hydrated bentonite.

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

ATTACHMENT 3 – CULTURAL RESOURCES DATA

Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands
310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

MEMORANDUM

TO: Maverick Natural Resources Inc

FROM: Carlyn Stewart, *Trust Land Archaeologist*
(505) 365-3800
cstewart@nmslo.gov

SUBJECT: Maverick Natural Resources Inc
Remediation for: State F1 Battery
T21 R36E S1 N.M.P.M. Lea County

REFERENCE: NMSLO Cultural Properties Protection Rule (19.2.24 NMAC)

DATE: 1/2/2025

Thank you for your submission relating to the Proponent's proposed remediation activities at State F1 Battery. An archaeological survey of the entire area of potential effect has been completed (NMCRIS Activity No. 157395) and no cultural properties were identified. Pursuant to NMSLO 19.2.24.8 (C) NMAC, remediation may proceed.

If any cultural materials are inadvertently encountered during surface disturbance, work must cease within 50 feet and the NMSLO Cultural Resources Office must be notified immediately by emailing (CROinfo@slo.state.nm.us). Please reach out if you have questions or need additional clarification.

ATTACHMENT 4 – PHOTOGRAPHIC DOCUMENTATION


S
SW
W
NW
N
180
210
240
270
300
330
0
267°W (T) LAT: 32.501251 LON: -103.226242 ±4m ▲1076m
Site Assessment
Tetra Tech
Maverick - OXY State F1 Battery
Aug 02 2023, 09:33:43 MDT

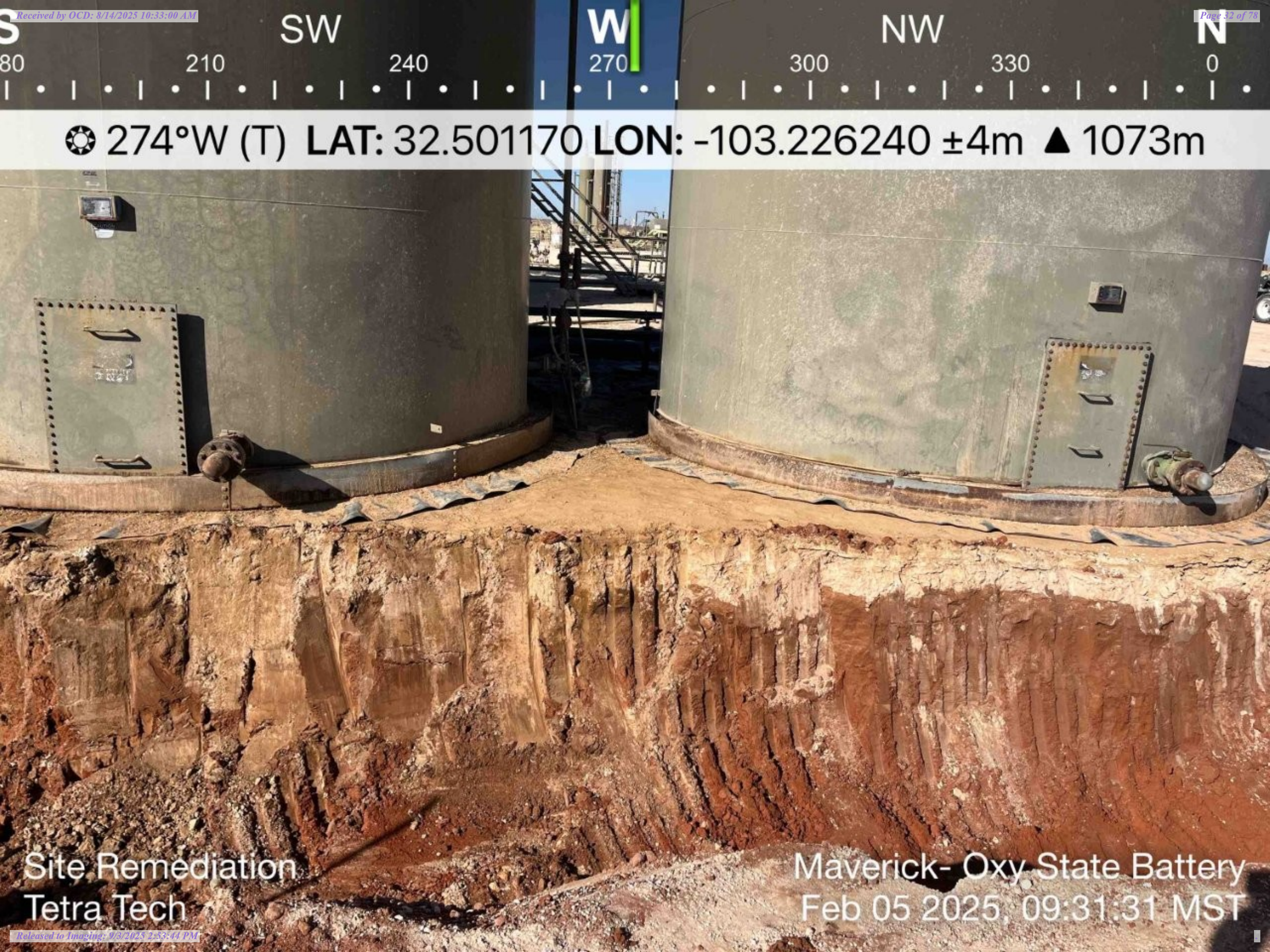
W NW N NE E

270 300 330 0 30 60 90

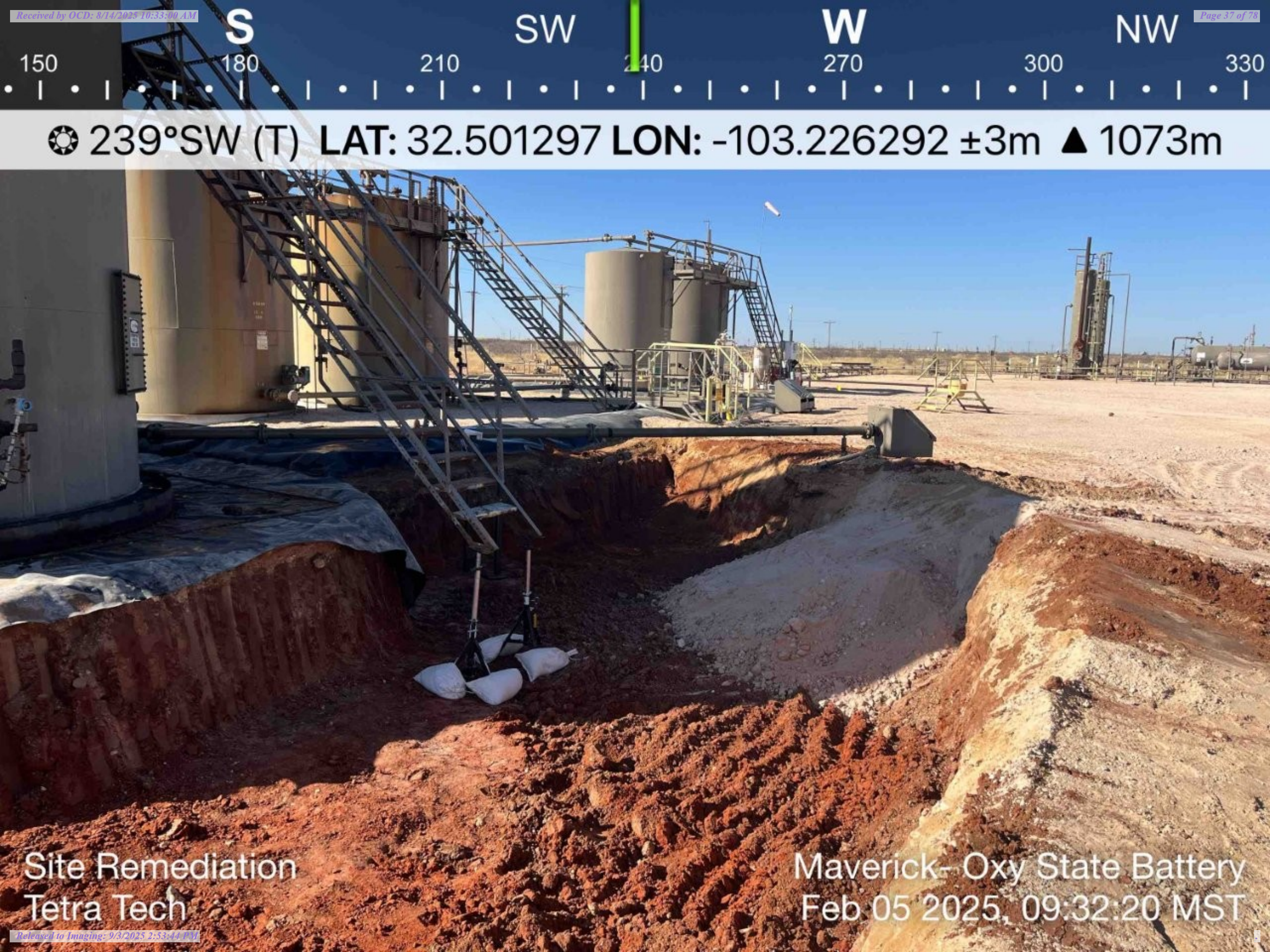
2°N (T) **LAT:** 32.501080 **LON:** -103.226265 ±3m ▲1073m

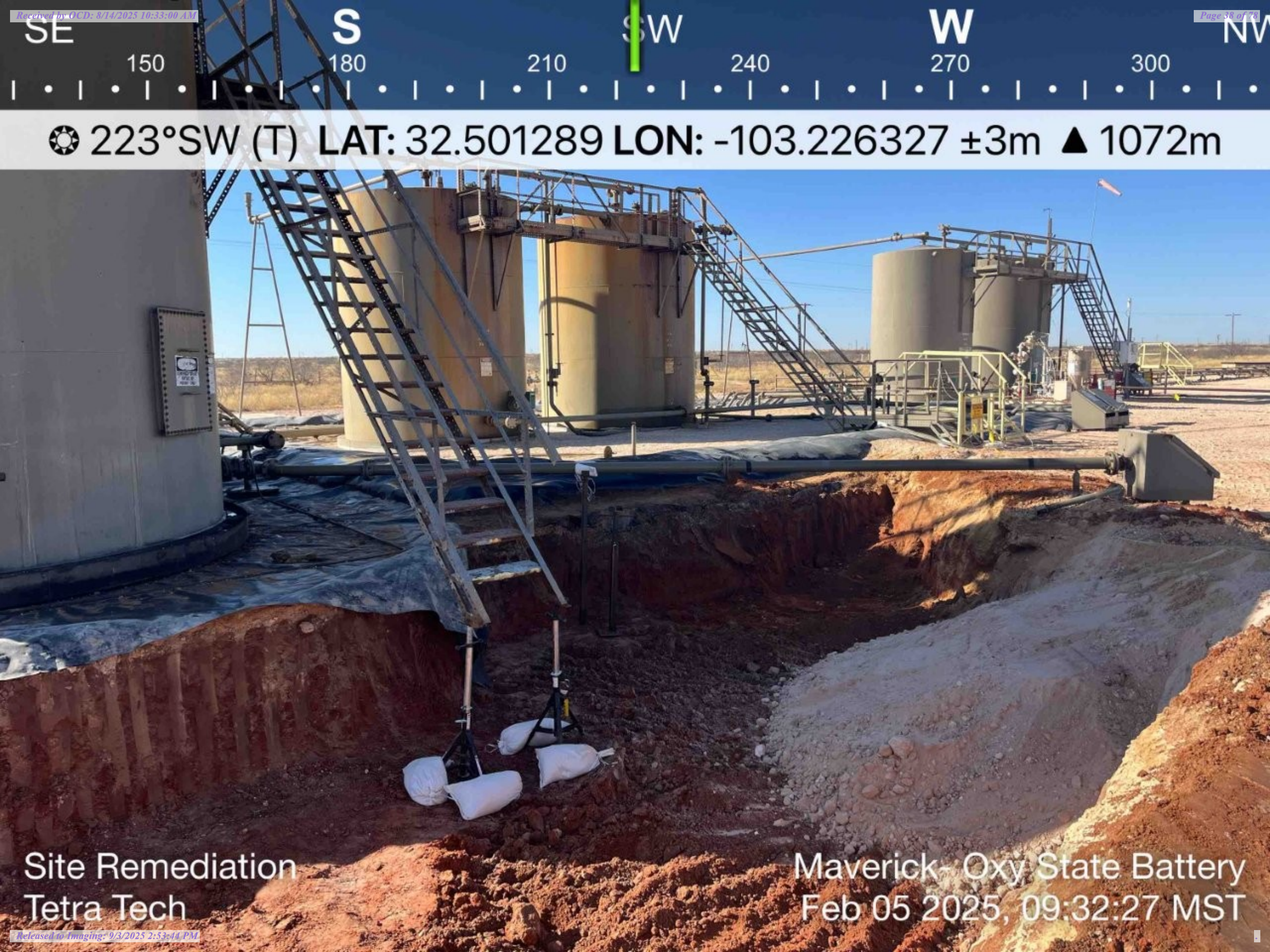
Site Remediation
Tetra Tech

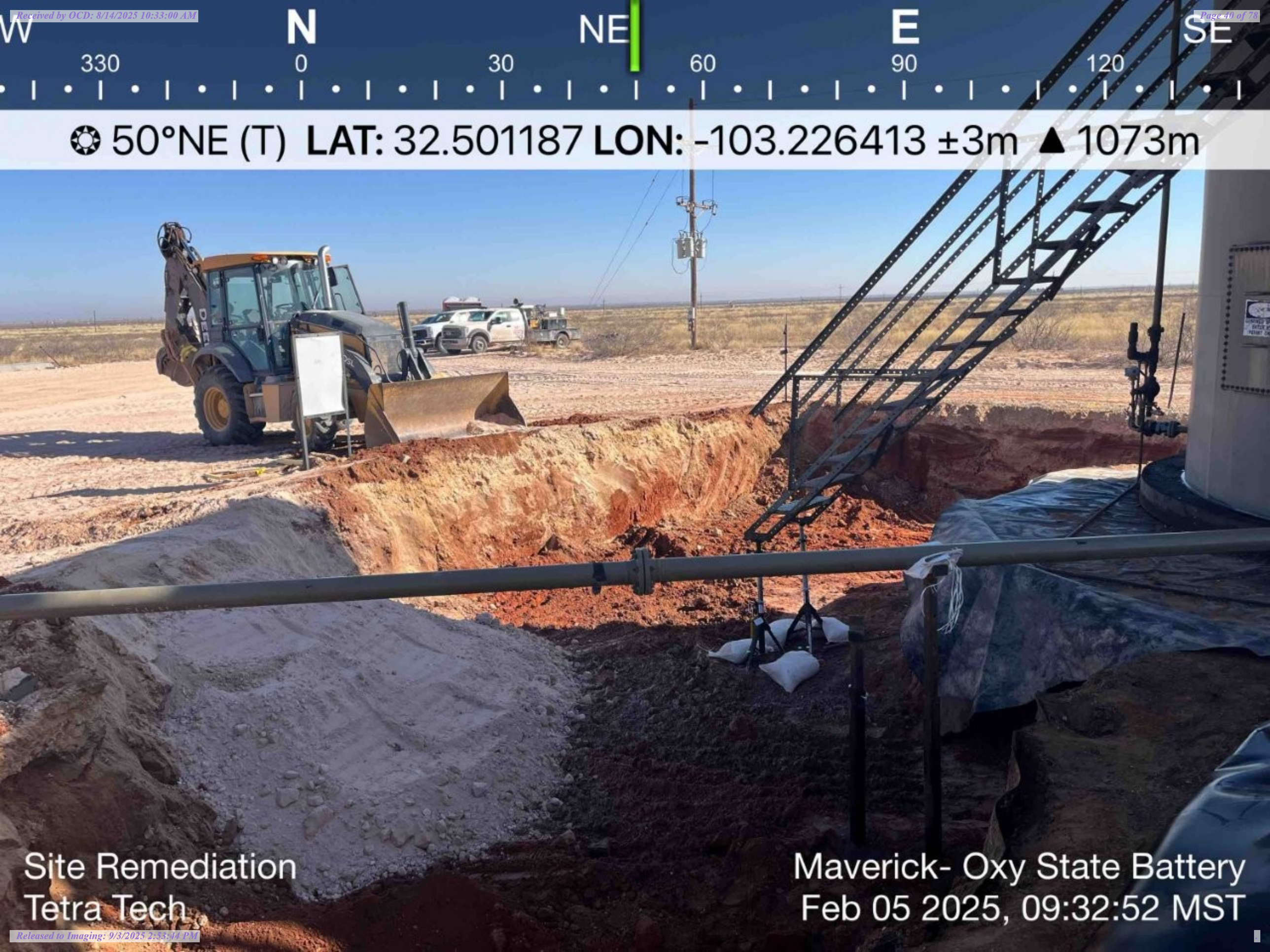
Maverick- Oxy State Battery
Feb 05 2025, 09:31:04 MST


S
SW
W
NW
N
180
210
240
270
300
330
0
274°W (T) LAT: 32.501170 LON: -103.226240 ±4m ▲1073m
Site Remediation
Tetra Tech
Maverick- Oxy State Battery
Feb 05 2025, 09:31:31 MST


S
SW
W
NW
N
180
210
240
270
300
330
0
269°W (T) LAT: 32.501257 LON: -103.226248 ±8m ▲1075m
DEERE
Site Remediation
Tetra Tech
Maverick- Oxy State Battery
Feb 05 2025, 09:32:06 MST







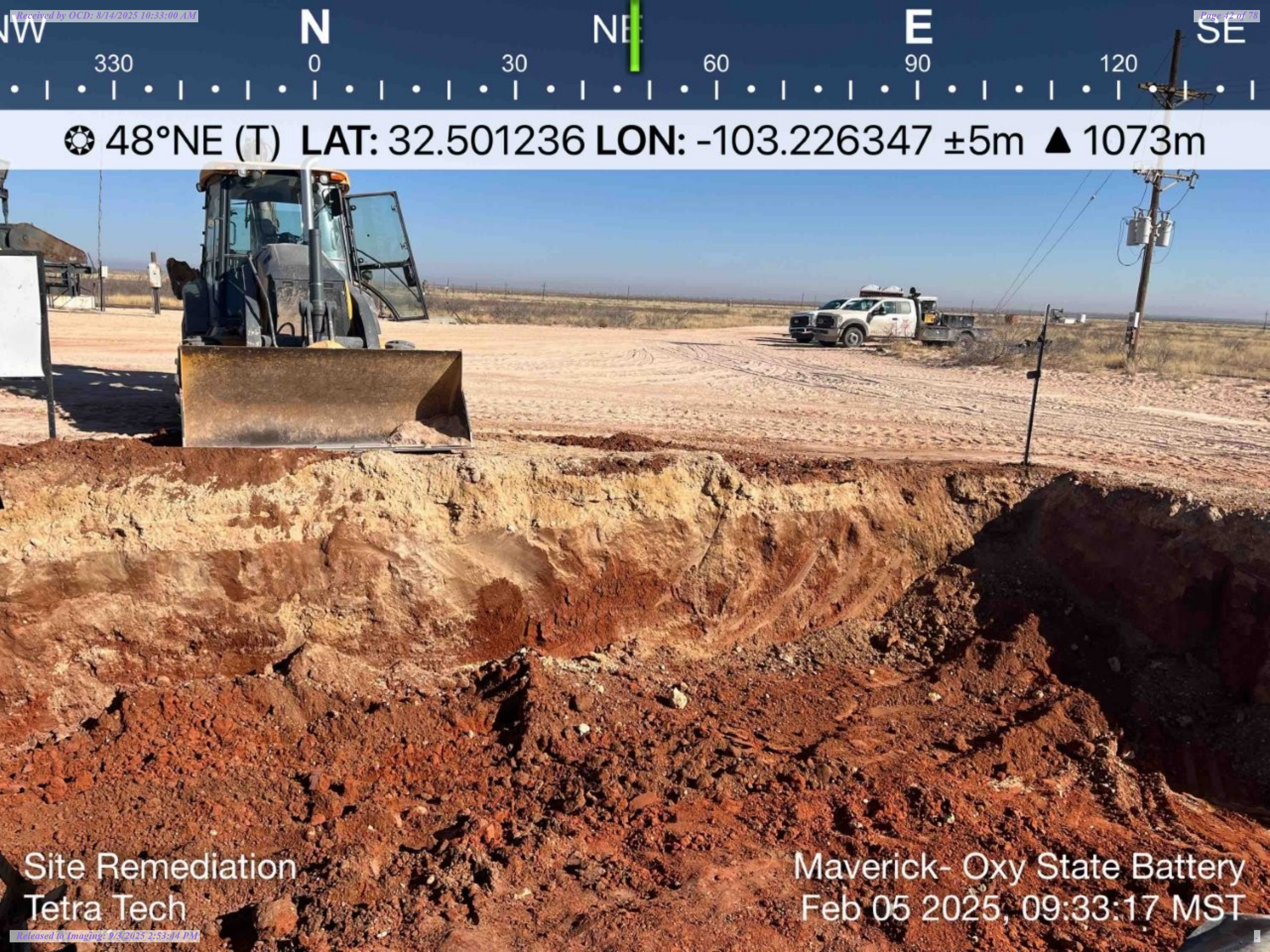
SW W NW N

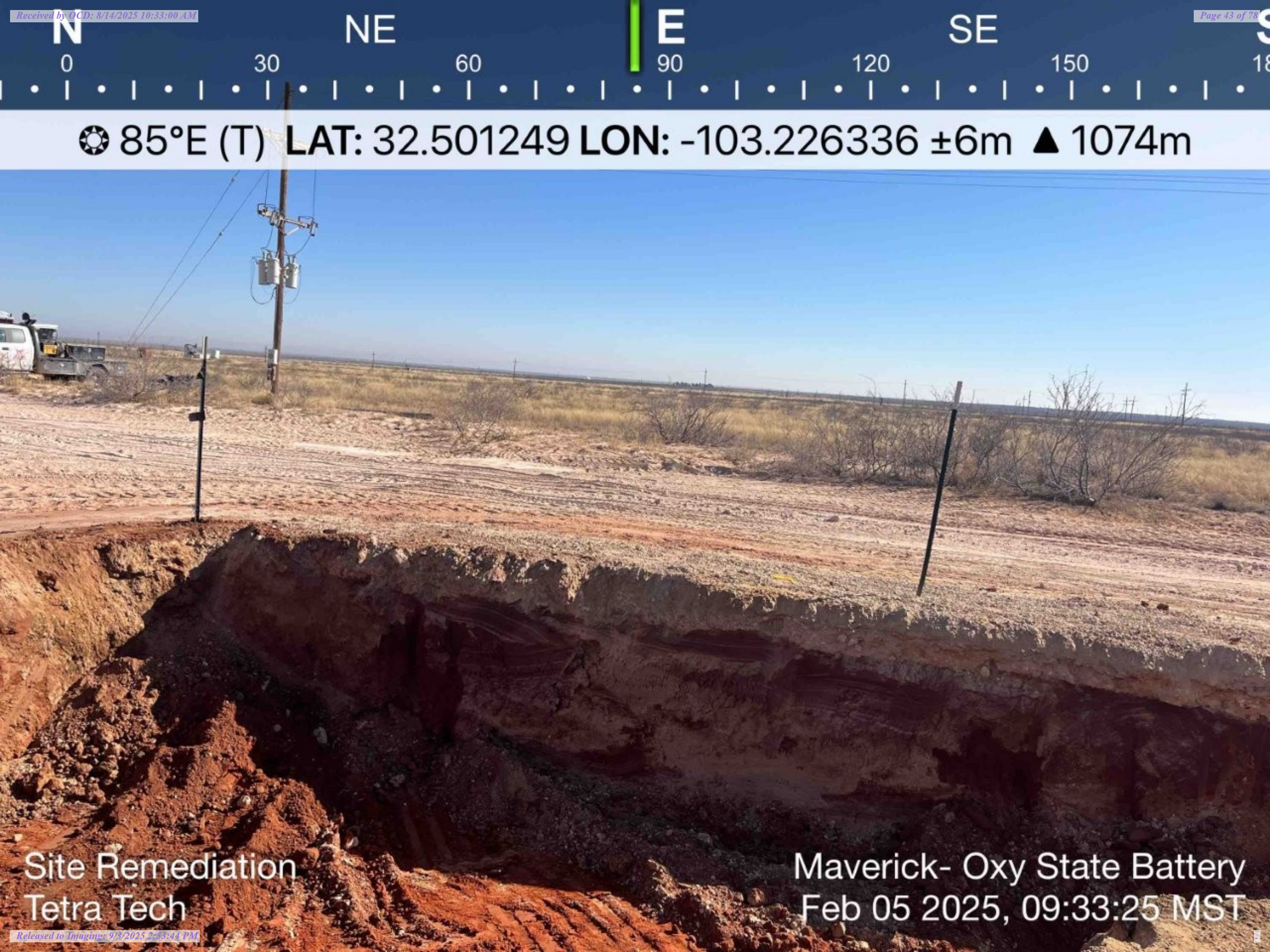
210 240 270 300 330 0

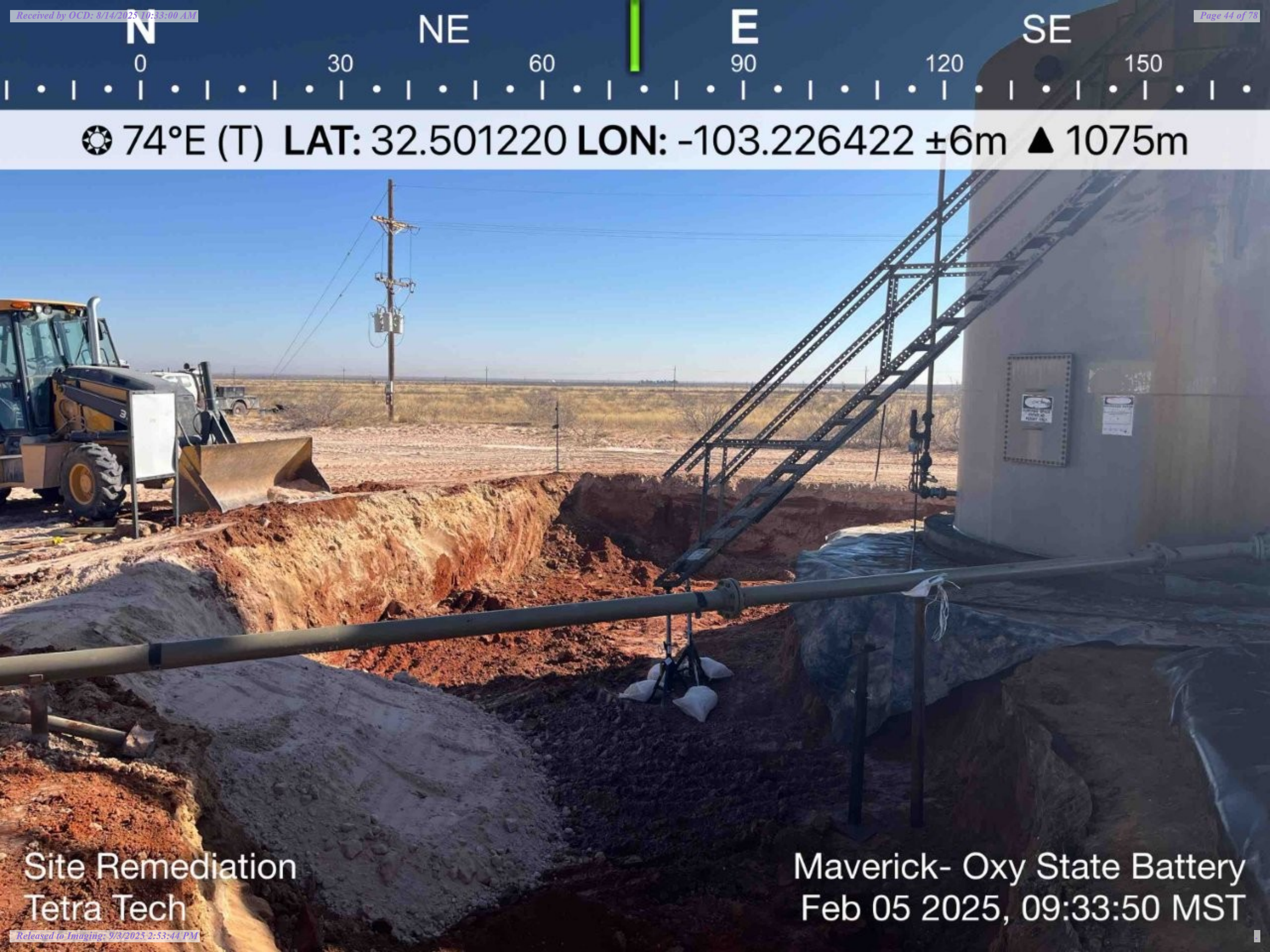
288°W (T) **LAT:** 32.501230 **LON:** -103.226353 ±3m ▲1073m

Site Remediation
Tetra Tech

Maverick- Oxy State Battery
Feb 05 2025, 09:33:10 MST








S
SW
W
NW
180
210
240
270
300
330
251°W (T) LAT: 32.501275 LON: -103.226258 ±3m ▲1073m
Site Remediation
Tetra Tech
Maverick- Oxy State Battery
Feb 05 2025, 09:34:15 MST


NE
E
SE
S
30
60
90
120
150
180
96°E (T) LAT: 32.501261 LON: -103.226466 ±3m ▲1074m
PRODUCED WATER
CAUTION
Site Remediation
Tetra Tech
Maverick- Oxy State Battery
Feb 12, 2025, 15:47:07 MST

N NE E SE

330 0 30 60 90 120 15

56°NE (T) **LAT:** 32.501203 **LON:** -103.226488 ±3m ▲1075m

Site Remediation
Tetra Tech

Maverick- Oxy State Battery
Feb 12 2025, 15:47:19 MST

SE 120 150 S 180 210 SW 240 W 270

192°S (T) **LAT:** 32.501131 **LON:** -103.226298 ±3m ▲1075m

Site Remediation
Tetra Tech

Maverick- Oxy State Battery
Feb 12 2025, 15:48:00 MST


W
NW
N
NE
270
300
330
0
30
60
347°N (T) LAT: 32.501082 LON: -103.226293 ±3m ▲1075m
Site Remediation
Tetra Tech
Maverick- Oxy State Battery
Feb 12 2025, 15:48:27 MST

ATTACHMENT 5 – LABORATORY ANALYTICAL DATA

CARDINAL Laboratories

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

February 07, 2025

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: OXY STATE F1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/05/25 12:36.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 1 (4.0') (H250694-01)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**992**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *96.5 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 2 (4.0') (H250694-02)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1120**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 3 (4.0') (H250694-03)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1360**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 4 (4.0') (H250694-04)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1340**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	**28.1**	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

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

Surrogate: 1-Chlorooctadecane *131 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 5 (4.0') (H250694-05)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1410**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	**11.8**	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 6 (4.0') (H250694-06)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1390**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	**15.7**	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 7 (4.0') (H250694-07)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1090**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	**19.6**	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

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

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 1 (H250694-08)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 2 (H250694-09)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *116 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 3 (H250694-10)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	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	<16.0	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *130 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *136 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 4 (H250694-11)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	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	<16.0	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 5 (H250694-12)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 6 (H250694-13)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

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

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 7 (H250694-14)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *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	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/05/2025	Sampling Date:	02/05/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	OXY STATE F1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03170	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 8 (H250694-15)

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	02/05/2025	ND	2.06	103	2.00	1.50	
Toluene*	<0.050	0.050	02/05/2025	ND	2.15	108	2.00	0.373	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.19	110	2.00	0.190	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.71	112	6.00	0.105	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	02/06/2025	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	02/06/2025	ND	206	103	200	3.64	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	200	99.9	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

alysis 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

ient Name:	Maverick Natural Resources
Site Manager:	Chuck Terhune
oject Name:	Oxy State F1 Battery
	281-755-8965
	chuck.terhune@tetratech.com
oject Location: ounty, state)	Lea County, NM
Project #:	212C-MD-03170
voice to:	Attn: Chuck Terhune
ceiving Laboratory:	Cardinal Labs
Sampler Signature:	Jorge Fernandez

mments:

Include : Chris Straub Chris.Straub@tetratech.com Jorge.Fernandez@tetratech.com

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY) 1250694		SAMPLING		MATRIX			PRESERVATIVE METHOD							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
		YEAR: 2025																																	
		DATE	TIME	WATER	SOIL		HCL	HNO_3	ICE				# CONTAINERS	FILTERED (Y/N)																						
1	BH-1 (4.0')	2/5/2025	830		x				x						x		x												x						
2	BH-2 (4.0')	2/5/2025	835		x				x						x		x												x						
3	BH-3 (4.0')	2/5/2025	840		x				x						x		x												x						
4	BH-4 (4.0')	2/5/2025	845		x				x						x		x												x						
5	BH-5 (4.0')	2/5/2025	850		x				x						x		x												x						
6	BH-6 (4.0')	2/5/2025	855		x				x						x		x												x						
7	BH-7 (4.0')	2/5/2025	900		x				x						x		x												x						
8	SW-1	2/5/2025	905		x				x						x		x												x						
9	SW-2	2/5/2025	910		x				x						x		x												x						
10	SW-3	2/5/2025	915		x				x						x		x												x						

inquished by: Date: Time: 1235
2-5-25

inquished by: Date: Time:

Received by: Date: Time:
SRodriguez 2.5.25 1236

inquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature
5.4°C+0.3
57: #140

REMARKS: Standard TAT

[X] 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

lysis Request of Chain of Custody Record

Page 1 of 2

Tetra Tech, Inc.

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

ient Name: Maverick Natural Resources

Site Manager: Chuck Terhune

oject Name: Oxy State F1 Battery

281-755-8965
chuck.terhune@tetratech.com

oject Location: ounty, state) Lea County, NM

Project #: 212C-MD-03170

voice to: Attn: Chuck Terhune

ceiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

mments:

Include : Chris Straub Chris.Straub@tetratech.com Jorge.Fernandez@tetratech.com

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)		SAMPLING		MATRIX			PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	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
		YEAR: 2025 DATE	TIME	WATER	SOIL		HCL	HNO_3	ICE																						
11	SW-4	2/5/2025	920		x				x					x		x												x				
12	SW-5	2/5/2025	925		x				x					x		x												x				
13	SW-6	2/5/2025	930		x				x					x		x												x				
14	SW-7	2/5/2025	935		x				x					x		x												x				
15	SW-8	2/5/2025	940		x				x					x		x												x				

Relinquished by: Date: Time: 1235

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time: 2525 1236

Received by: Date: Time:

LAB USE ONLY

Sample Temperature 5.4 / C+0.3 = 5.7 #140

REMARKS: Standard TAT

[X] 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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 495978

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 495978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2317958480**
Incident Name	**NAPP2317958480 OXY STATE F1 BATTERY PRODUCED WATER OVERFILL @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2212329237] OXY STATE F1 BATTERY**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	OXY STATE F1 BATTERY PRODUCED WATER OVERFILL
Date Release Discovered	06/27/2023
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	*Not answered.*
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Tank (Any) | Produced Water | Released: 50 BBL | Recovered: 45 BBL | Lost: 5 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)	The release was fully contained within the lined tank battery secondary containment structure. 45 bbls recovered and 5 bbls absorbed by the liner cover material.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 495978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetratech.com Date: 08/14/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 495978
	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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 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	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 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
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1410
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28.1
GRO+DRO (EPA SW-846 Method 8015M)	28.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	12/13/2024
On what date will (or did) the final sampling or liner inspection occur	02/05/2025
On what date will (or was) the remediation complete(d)	02/12/2025
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	1375
What is the estimated volume (in cubic yards) that will be remediated	230
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	331199
	Action Number: 495978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetratech.com Date: 08/14/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 495978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 495978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**429696**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/12/2025**
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	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1375
What was the total volume (cubic yards) remediated	230
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)	Impacts were constrained to within the unlined secondary containment berm. Area was excavated and backfilled to restore the secondary containment structure bottom and earthen berms.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetratech.com Date: 08/14/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 495978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 495978

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 495978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/3/2025