

# REMEDIATION CLOSURE REQUEST

## **Permian Resources Operating LLC Thunderball 26 Battery 1**

LEA, County, New Mexico

Unit Letter B, Section 26, Township 19 South, Range 34 East

Latitude 32.636751 North, Longitude -103.528461 West

**NMOCD Reference Number #NAPP2602157514**

Prepared By:

**Tellus Services, LLC**



4000 N BIG SPRING ST. SUITE 230, MIDLAND, TX 79705 • 4401 E HWY 80, MIDLAND, TX 79705

[WWW.TELLUSSERVICES.COM](http://WWW.TELLUSSERVICES.COM)



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## 1.0 - PROJECT INFORMATION

The site is located in Unit Letter B, Section 26, Township 19 South, Range 34 East, more specifically with a latitude of 32.636751 North, and longitude -103.528461 West. The site is associated with oil and gas exploration and production operations in LEA County, New Mexico. The release occurred on Bureau of Land Management (BLM) owned property. A topographic vicinity map can be found in Figure 1.

On January 20th, 2026, Permian Resources Operating (Permian) experienced an equipment failure which resulted in the release of an estimated 3 barrels of crude oil onto the well pad and surrounding area. The release was categorized as a 'Major Release' due to the result of an unauthorized release that resulted in a fire near the flare. The repair was completed and Permian reported the release to the New Mexico Oil Conservation Division (NMOCD) on a *Release Notification Form C-141* (Form C-141) as a major release and an incident number NAPP2602157514 was issued (Appendix D).

## 2.0 - SITE CHARACTERIZATION & CLOSURE CRITERIA

The site was characterized to assess applicability of *Table I*, Closure Criteria for soils impacted by a release, Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC) under rules for a *Major Release*. The results of the site characterization have been summarized below, and supporting documentation can be found in the appendices.

Tellus Services (Tellus) conducted a search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases to determine the horizontal distance of groundwater wells located within a ½ mile of the release site. USGS well water data indicated the nearest groundwater for this area is sixty-seven (67) feet Bgs. Groundwater information from any other POD is greater than 1 mile from the release footprint. The location of the wells utilized in the determination of closure criteria, and well information can be found in Appendix A.

The Closest continuously flowing or significant water source to the site is located between one (1) and five (5) miles from the site. The site is greater than one (1) mile from a lakebed, sinkhole or playa lake and greater than five (5) miles from an occupied residence, school, hospital, institution, church, wetland or any spring, or domestic fresh water well and is not within a 100-year floodplain. The soil below is underlain by low karst potential, and each of the site receptors are identified in Appendix A. Given the depth of impact the release closed within the most stringent (<50 feet) ground water closure limits within Table I of Closure Criteria and is summarized below:

Constituent	Sample Methodology	Limit
Chloride	EPA 300.0 or SM4500 CL B	600 mg/kg
TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M	100 mg/kg
BTEX	EPA SW-846 Methods 8021B / 8260B	50 mg/kg
Benzene	EPA SW-846 Methods 8021B / 8260B	10 mg/kg





## 4.0 - SUMMARY OF REMEDIATION ACTIVITIES

On February 18<sup>th</sup>, 2026, Tellus was dispatched to begin remediation services at the site. A site assessment was completed and noted during the inspection was approximately 2,371 square feet had been visually impacted due to the release of crude oil. The release point was noted to be flared and overspray from the release followed to the North / Northwest direction for approximately one hundred (100) feet and was approximately thirty (30) feet at its widest point. A site Map depicting the release footprint can be found in Figure II.

Excavation of the impacted footprint began on February 18<sup>th</sup>, 2026, and followed depths averaging one (1) foot below ground surface. The impacted soils excavated were stockpiled on a plastic liner on site to prevent contamination of the soils below. In total approximately ninety (90) cubic yards were excavated and loaded into dump trucks to be transported to the LEA Land Disposal Facility. Copies of the Waste Manifest can be found in Appendix E.

On February 23<sup>rd</sup>, 2026, a soil sampling notification was submitted (Appendix D) and the sampling event took place on February 26<sup>th</sup>. The event took place to confirm all impacted material had been removed and delineation of the release footprint had been confirmed. Collection points were derived from an area of no greater than 200 square feet combining five equivalent grab points of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing the bag and analyzed for TPH (EPA method 8015), BTEX (EPA Method 8021B), and chloride (Method SM4500CL-B or 300.0). Approximate soil sample locations can be seen on the site map included in Figure II.

A total of twelve (12) confirmation soil samples were collected from within the release footprint, with an additional two (2) sidewall samples, and four (4) delineation soil samples from outside the footprint collected at surface. A summary of the soil analysis can be reviewed in Table I, while the Laboratory Soil Analysis can be found in Appendix C.

Each of the eighteen (18) confirmation soil samples collected were found to be within the closure limits, and the site was then backfilled with soil from a nearby caliche pit to match the surrounding slope and grade. Soil samples of this material can be found in Table I. No seeding was necessary given the release footprint was within the caliche hardened pad site.

## 6.0 - LIMITATIONS / CLOSURE REQUEST

Tellus Services LLC has prepared this *Remediation Closure Request* to the best of its ability. No other warranty is expressed, or implied, is made or intended. Tellus has examined and relied upon documents referenced in the report and oral statements made by certain individuals. This report has been prepared in a professional manner, using the degree of skill and care exercised by similar environmental consultants.



Thunderball 26 Battery 1

Incident Number : NAPP2602157514



This report has been prepared for the benefit of Permian Resources Operating LLC (Permian). Use of the information contained in this report is prohibited without the consent of Tellus and/or Permian.

Respectfully Submitted,

Jamey Fowler  
President  
Tellus Services

## 7.0 - DISTRIBUTION

### **Permian Resources Operating LLC**

300 N Marienfeld St STE 1000  
Midland, TX 79701

### **New Mexico Energy, Minerals and Natural Resources Department**

Oil Conservation Division, District 1  
1220 South St. Francis Drive  
Santa Fe, NM 87505



Thunderball 26 Battery 1

Incident Number : NAPP2602157514

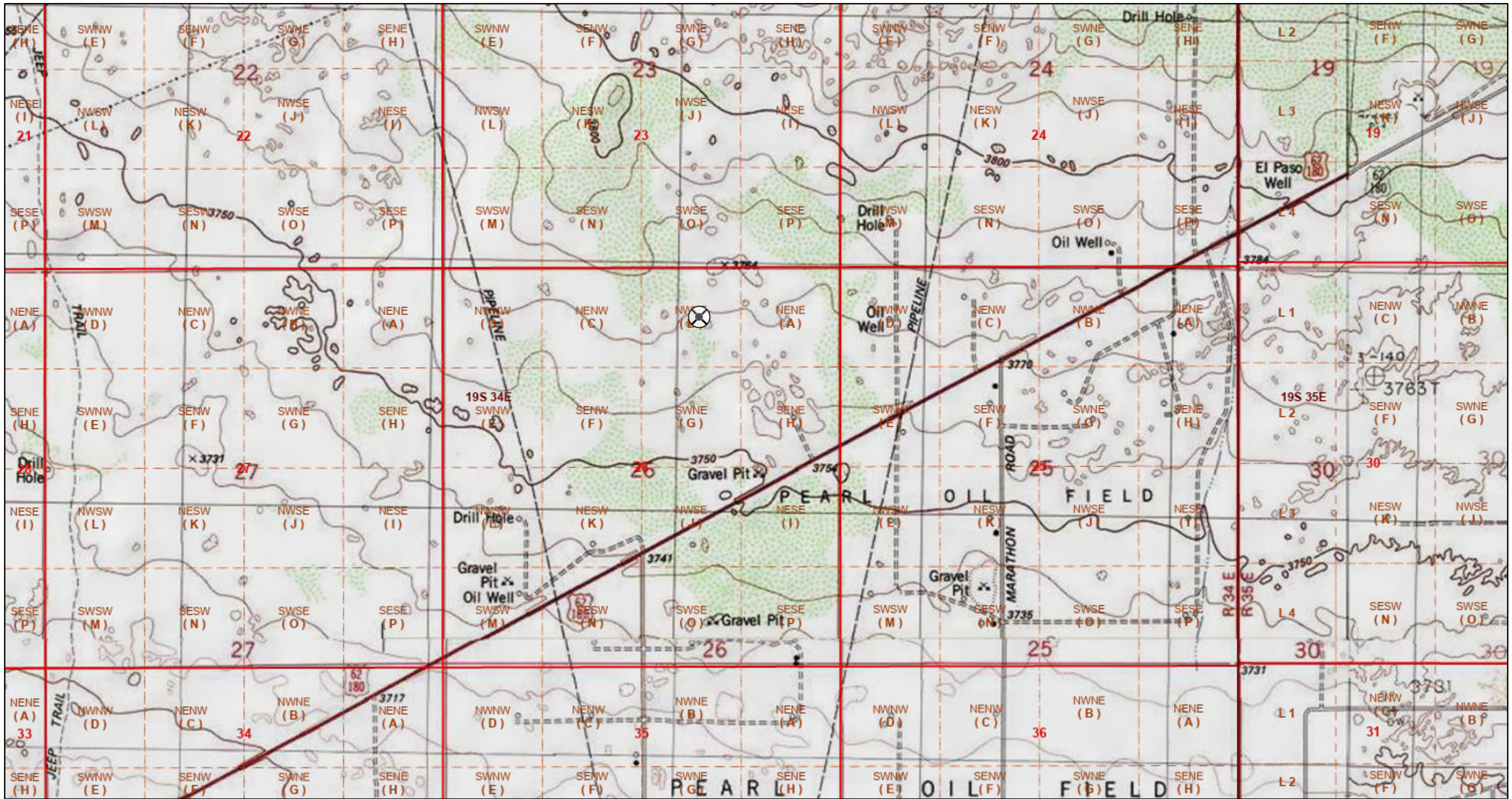


## FIGURES

**Figure 1** Topographic Site Map





**Figure 2** Site Map

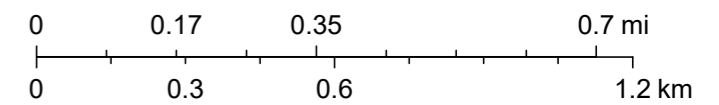
# FIGURE 1 - THUNDERBALL 26 BATTERY 1 #NAPP2602157514



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1:18,056

-  Override 1
-  PLSS Second Division
-  PLSS First Division
-  PLSS Townships



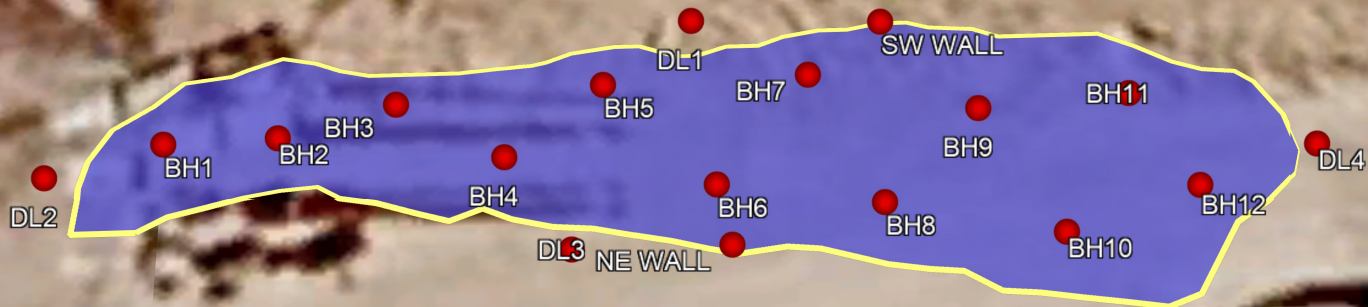
BLM, Copyright:© 2013 National Geographic Society, i-cubed

# FIGURE 2 - SITE MAP

THUNDERBALL 26 BATTERY  
#NAPP2602157514

**Legend**

- Feature 1
- Release Footprint



Google Earth



Thunderball 26 Battery 1

Incident Number : NAPP2602157514



## TABLES

**Table I – Soil Sample Analytical Results**

**TABLE 2**  
**Soil Analytical Summary**  
**ThunderBall**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Soil Status	Benzene	Toluene	Ethylbenzene	Xylene (total)	Total BTEX	TPH (GRO) (>C6-C10)	TPH (DRO) (<C10-C28)	EXT MRO (>C28-C36)	TOTAL TPH	CHLORIDE
				<b>NMOCDC Closure Limits &lt;50' to Ground Water/ Reclamation Upper Most 4'</b>									
				<b>10</b>				<b>50</b>				<b>100</b>	
BH-1	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>350</b>
BH-2	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>154</b>
BH-3	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>145</b>
BH-4	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>310</b>
BH-5	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>21.2</b>
BH-6	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>141</b>
BH-7	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>204</b>
BH-8	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>197</b>
BH-9	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>7.4</b>
BH-10	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>7.95</b>
BH-11	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>48.2</b>
BH-12	2/26/2026	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>13.8</b>
NE Wall	2/26/2026	0-12"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>3.88</b>
SW Wall	2/26/2026	0-12"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL-1	2/26/2026	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>20.3</b>
DL-2	2/26/2026	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>22.8</b>
DL-3	2/26/2026	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>16.1</b>
DL-4	2/26/2026	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>29.7</b>
Caliche	3/17/2026	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>318</b>
Top Soil	3/17/2026	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>18.4</b>

Notes:  
 1. bgs - below ground surface  
 2. TPH - total petroleum hydrocarbons  
 3. GRO - gasoline range organics  
 4. DRO - diesel range organics  
 5. MRO - mineral range organics  
 6. NMOCDC - New Mexico Oil Conservation Division  
 7. Bold font indicates analyte was detected  
 8. Yellow highlighting and bold indicates analytical results exceeding the NMOCDC Closure Criteria Recommended Remediation Action Levels

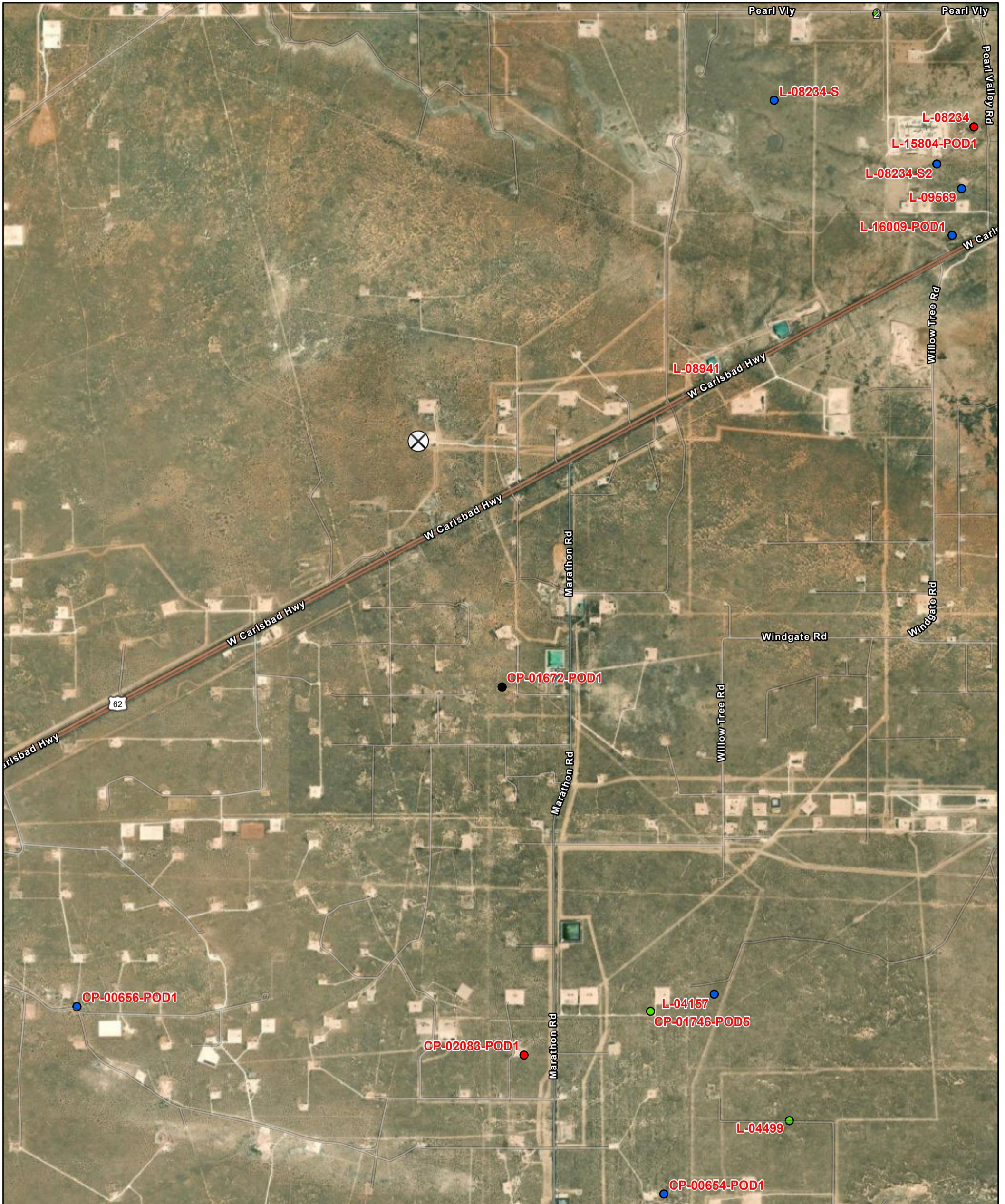
Thunderball 26 Battery 1

Incident Number : NAPP2602157514



## APENDICES

### Appendix A – Site Characterization Information



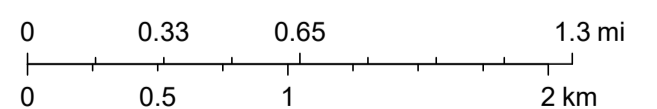
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### GIS WATERS PODs

- Pending
- Active
- Inactive
- Changed Location of Well
- Capped
- Plugged
- Unknown
- Pending
- Active
- Inactive
- Changed Location of Well
- Capped
- Plugged

- Unknown
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations
- 9.6m Resolution Metadata

1:34,447



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



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	WellDepth	Water Column
<a href="#">CP.00683 POD1</a>		CP	LE	3	3	4	25	19S	34E	639530	3610685*	1959	120	28 92
<a href="#">CP.01672 POD1</a>		CP	LE	1	3	1	36	19S	34E	638736	3610009	2109	100	
<a href="#">L.08941</a>		L	LE	2	3	3	19	19S	35E	640510	3612523	2465	600	286 314

Average Depth to Water: **157 feet**  
 Minimum Depth: **28 feet**  
 Maximum Depth: **286 feet**

**Record Count:** 3

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 638096.46      **Northing (Y):** 3612020.24      **Radius:** 3000

\*UTM location was derived from PLSS - see Help

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

WATER COLUMN/ AVERAGE DEPTH TO WATER

# KARST MAP - THUNDERBALL 26 BATTERY #NAPP2602157514



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⊗ Override 1

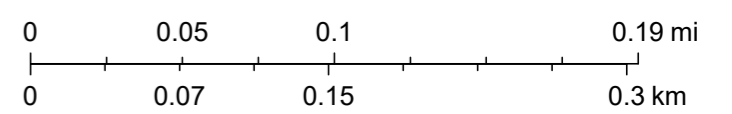
Karst Occurrence Potential

Low

PLSS Second Division

PLSS First Division

1:4,514

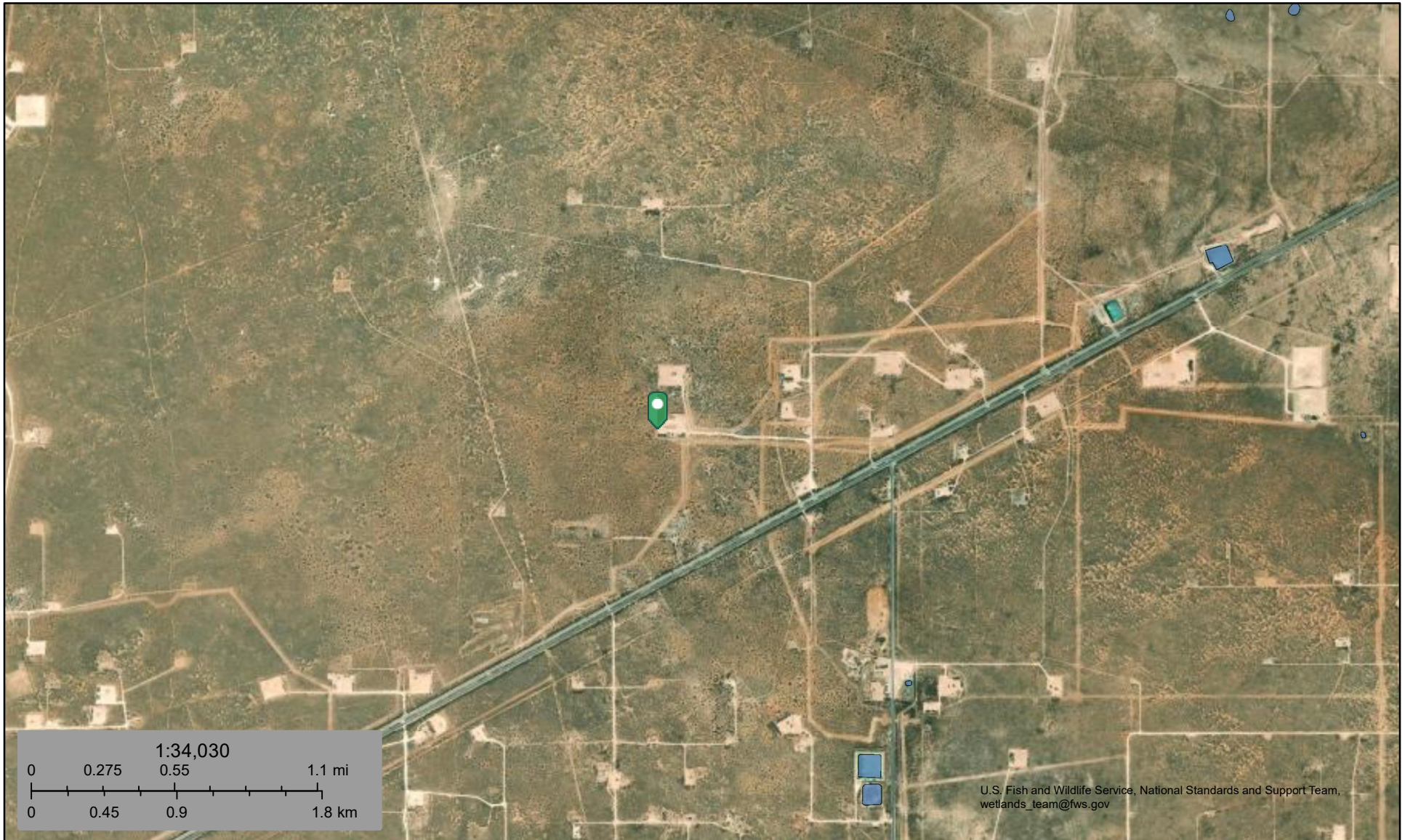


BLM, OCD, New Mexico Tech, BLM, Vantor









U.S. Fish and Wildlife Service  
National Wetlands Inventory

# WETLANDS INVENTORY - THUNDERBALL



March 27, 2026

### Wetlands

- |   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | 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 Flood Hazard Layer FIRMMette



103°32'1"W 32°38'28"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 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



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 3/27/2026 at 4:44 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.



1:6,000

103°31'24"W 32°37'57"N



A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

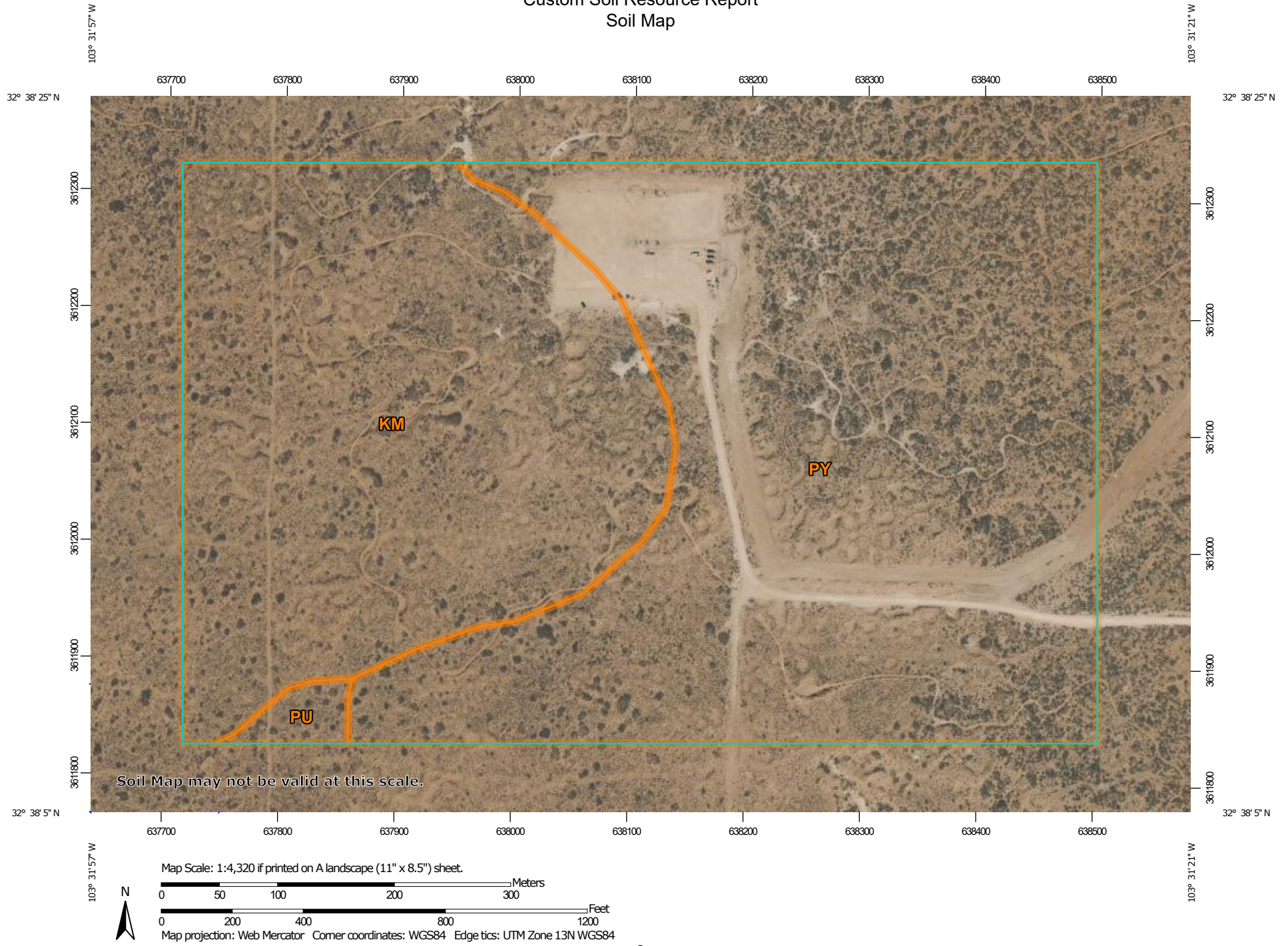
# Custom Soil Resource Report for Lea County, New Mexico

**THUNDERBALL 26 BATTERY  
#NAPP2602157514**



March 27, 2026

### Custom Soil Resource Report Soil Map



Map Scale: 1:4,320 if printed on A landscape (11" x 8.5") sheet.

0 50 100 200 300 Meters


0 200 400 800 1200 Feet

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

Custom Soil Resource Report


**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 22, Sep 9, 2025

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.

## Custom Soil Resource Report

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit soils and Dune land, 0 to 12 percent slopes	39.5	40.7%
PU	Pyote and Maljamar fine sands	1.0	1.0%
PY	Pyote soils and Dune land	56.4	58.2%
<b>Totals for Area of Interest</b>		<b>96.9</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the

Thunderball 26 Battery 1

Incident Number : NAPP2602157514



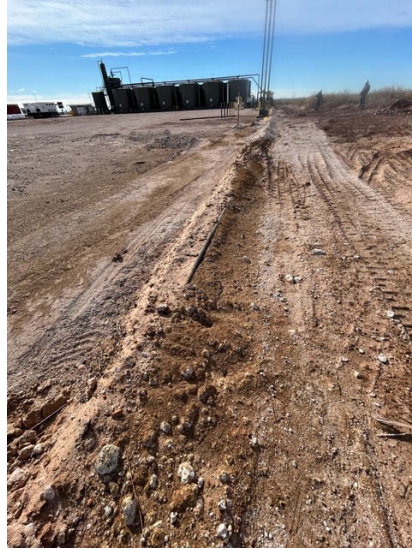
## APENDICES

### Appendix B – Photographic Log

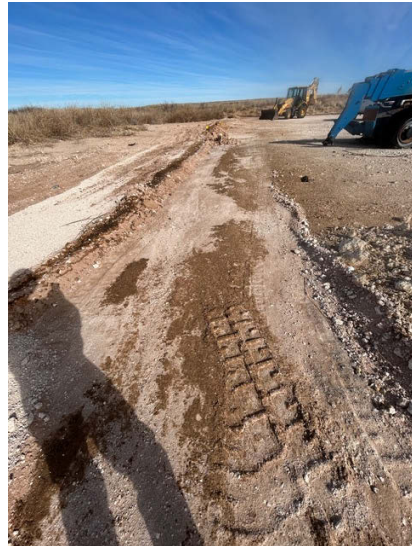
# PHOTOGRAPHIC LOG

Thunderball 26 Battery  
Permian Resources

Photograph No. 1



Photograph No. 2



Photograph No. 3



**PHOTOGRAPHIC LOG**  
**Thunderball 26 Battery**  
**Permian Resources**

**Photograph No. 4**



**Photograph No. 5**



**Photograph No. 6**



Prepared by:



**PHOTOGRAPHIC LOG**  
**Thunderball 26 Battery**  
**Permian Resources**

**Photograph No. 7**



Thunderball 26 Battery 1

Incident Number : NAPP2602157514



## APENDICES

**Appendix C** – Laboratory Provided Soil Analysis Report

**PERMIAN BASIN  
ENVIRONMENTAL LAB, LP  
1400 Rankin Hwy  
Midland, TX 79701**



# Analytical Report

**Prepared for:**

Jamey Fowler  
Tellus Consulting, LLC  
4000 North Big Spring Street Suite 109  
Midland, TX 79705

Project: ThunderBall  
Project Number: CDEV-46477  
Location: Lea Co  
Lab Order Number: 6C03011



**Current Certification**

Report Date: 03/05/26

Tellus Consulting, LLC  
 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 @ 1'	6C03011-01	Soil	02/26/26 09:31	03-03-2026 08:02
BH-2 @ 1'	6C03011-02	Soil	02/26/26 09:33	03-03-2026 08:02
BH-3 @ 1'	6C03011-03	Soil	02/26/26 09:35	03-03-2026 08:02
BH-4 @ 1'	6C03011-04	Soil	02/26/26 09:37	03-03-2026 08:02
BH-5 @ 1'	6C03011-05	Soil	02/26/26 09:39	03-03-2026 08:02
BH-6 @ 1'	6C03011-06	Soil	02/26/26 09:41	03-03-2026 08:02
BH-7 @ 1'	6C03011-07	Soil	02/26/26 09:43	03-03-2026 08:02
BH-8 @ 1'	6C03011-08	Soil	02/26/26 09:45	03-03-2026 08:02
BH-9 @ 1'	6C03011-09	Soil	02/26/26 09:47	03-03-2026 08:02
BH-10 @ 1'	6C03011-10	Soil	02/26/26 09:48	03-03-2026 08:02
BH-11 @ 1'	6C03011-11	Soil	02/26/26 09:51	03-03-2026 08:02
BH-12 @ 1'	6C03011-12	Soil	02/26/26 09:53	03-03-2026 08:02
NE Wall 0-12"	6C03011-13	Soil	02/26/26 09:54	03-03-2026 08:02
SW Wall 0-12"	6C03011-14	Soil	02/26/26 09:56	03-03-2026 08:02
DL-1 @ Surf	6C03011-15	Soil	02/26/26 09:58	03-03-2026 08:02
DL-2 @ Surf	6C03011-16	Soil	02/26/26 10:01	03-03-2026 08:02
DL-3 @ Surf	6C03011-17	Soil	02/26/26 10:02	03-03-2026 08:02
DL-4 @ Surf	6C03011-18	Soil	02/26/26 10:03	03-03-2026 08:02

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-1 @ 1'**  
**6C03011-01 (Soil)**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Benzene	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P6C0314	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		P6C0314	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.9 %	80-120		P6C0314	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Xylenes (total)	ND	0.00106	mg/kg dry	1	[CALC]	03/03/26 11:13	03/04/26 11:23	EPA 8021B	
Total BTEX	ND	0.00106	mg/kg dry	1	[CALC]	03/03/26 11:13	03/04/26 11:23	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	26.6	mg/kg dry	1	P6C0316	03/03/26 13:01	03/03/26 20:57	EPA 8015M	
Diesel Range Organics	ND	26.6	mg/kg dry	1	P6C0316	03/03/26 13:01	03/03/26 20:57	EPA 8015M	
Mineral Oil Range Organics	ND	26.6	mg/kg dry	1	P6C0316	03/03/26 13:01	03/03/26 20:57	EPA 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P6C0316	03/03/26 13:01	03/03/26 20:57	EPA 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P6C0316	03/03/26 13:01	03/03/26 20:57	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	26.6	mg/kg dry	1	[CALC]	03/03/26 13:01	03/03/26 20:57	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	350	1.06	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 14:50	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-2 @ 1'**  
**6C03011-02 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00125	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
Toluene	ND	0.00125	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
Ethylbenzene	ND	0.00125	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
Xylene (p/m)	ND	0.00250	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
Xylene (o)	ND	0.00125	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		91.7 %	80-120		P6C0314	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.1 %	80-120		P6C0314	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
Xylenes (total)	ND	0.00125	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 15:10	EPA 8021B	
Total BTEX	ND	0.00125	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 15:10	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	31.2	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:09	EPA 8015M	
Diesel Range Organics	ND	31.2	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:09	EPA 8015M	
Mineral Oil Range Organics	ND	31.2	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:09	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		95.0 %	70-130		P6C0318	03/03/26 13:27	03/03/26 19:09	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		109 %	70-130		P6C0318	03/03/26 13:27	03/03/26 19:09	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	31.2	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 19:09	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

<b>Chloride</b>	<b>154</b>	1.25	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 15:08	EPA 300.0	
<b>% Moisture</b>	<b>20.0</b>	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-3 @ 1'**  
**6C03011-03 (Soil)**

**Permian Basin Environmental Lab, L.P.**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
<b>BTEX by 8021B</b>									
Benzene	ND	0.00127	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Toluene	ND	0.00127	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Ethylbenzene	ND	0.00127	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Xylene (p/m)	ND	0.00253	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Xylene (o)	ND	0.00127	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.5 %	80-120		P6C0314	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.9 %	80-120		P6C0314	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Xylenes (total)	ND	0.00127	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
Total BTEX	ND	0.00127	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 15:34	EPA 8021B	
<b>Organics by GC</b>									
Gasoline Range Organics	ND	31.6	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:33	EPA 8015M	
Diesel Range Organics	ND	31.6	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:33	EPA 8015M	
Mineral Oil Range Organics	ND	31.6	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:33	EPA 8015M	
Surrogate: 1-Chlorooctane		90.9 %	70-130		P6C0318	03/03/26 13:27	03/03/26 19:33	EPA 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P6C0318	03/03/26 13:27	03/03/26 19:33	EPA 8015M	
<b>Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M</b>									
Total Hydrocarbons	ND	31.6	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 19:33	[CALC]	
<b>General Chemistry Parameters by EPA / Standard Methods</b>									
Chloride	145	1.27	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 16:03	EPA 300.0	
% Moisture	21.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-4 @ 1'**  
**6C03011-04 (Soil)**

**Permian Basin Environmental Lab, L.P.**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
<b>BTEX by 8021B</b>									
Benzene	ND	0.00104	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.3 %	80-120		P6C0314	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.6 %	80-120		P6C0314	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Xylenes (total)	ND	0.00104	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
Total BTEX	ND	0.00104	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 15:59	EPA 8021B	
<b>Organics by GC</b>									
Gasoline Range Organics	ND	26.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:57	EPA 8015M	
Diesel Range Organics	ND	26.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:57	EPA 8015M	
Mineral Oil Range Organics	ND	26.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 19:57	EPA 8015M	
Surrogate: 1-Chlorooctane		97.3 %	70-130		P6C0318	03/03/26 13:27	03/03/26 19:57	EPA 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P6C0318	03/03/26 13:27	03/03/26 19:57	EPA 8015M	
<b>Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M</b>									
Total Hydrocarbons	ND	26.0	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 19:57	[CALC]	
<b>General Chemistry Parameters by EPA / Standard Methods</b>									
Chloride	310	1.04	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 16:22	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-5 @ 1'**  
**6C03011-05 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		91.3 %	80-120		P6C0314	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	80-120		P6C0314	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
Xylenes (total)	ND	0.00106	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 16:24	EPA 8021B	
Total BTEX	ND	0.00106	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 16:24	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	26.6	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 20:21	EPA 8015M	
Diesel Range Organics	ND	26.6	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 20:21	EPA 8015M	
Mineral Oil Range Organics	ND	26.6	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 20:21	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		104 %	70-130		P6C0318	03/03/26 13:27	03/03/26 20:21	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		112 %	70-130		P6C0318	03/03/26 13:27	03/03/26 20:21	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	26.6	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 20:21	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	21.2	1.06	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 16:40	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-6 @ 1'**  
**6C03011-06 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.5 %	80-120		P6C0314	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		91.5 %	80-120		P6C0314	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 16:48	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 16:48	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.8	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 20:46	EPA 8015M	
Diesel Range Organics	ND	25.8	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 20:46	EPA 8015M	
Mineral Oil Range Organics	ND	25.8	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 20:46	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		98.0 %	70-130		P6C0318	03/03/26 13:27	03/03/26 20:46	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		108 %	70-130		P6C0318	03/03/26 13:27	03/03/26 20:46	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.8	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 20:46	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

<b>Chloride</b>	<b>141</b>	1.03	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 16:58	EPA 300.0	
<b>% Moisture</b>	<b>3.0</b>	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-7 @ 1'**  
**6C03011-07 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00108	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	80-120		P6C0314	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		90.8 %	80-120		P6C0314	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 17:13	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 17:13	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	26.9	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 21:10	EPA 8015M	
Diesel Range Organics	ND	26.9	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 21:10	EPA 8015M	
Mineral Oil Range Organics	ND	26.9	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 21:10	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		100 %	70-130		P6C0318	03/03/26 13:27	03/03/26 21:10	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		113 %	70-130		P6C0318	03/03/26 13:27	03/03/26 21:10	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	26.9	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 21:10	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	204	1.08	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 17:17	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-8 @ 1'**  
**6C03011-08 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		92.1 %	80-120		P6C0314	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	80-120		P6C0314	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
Xylenes (total)	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 17:38	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 17:38	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 21:35	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 21:35	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 21:35	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		P6C0318	03/03/26 13:27	03/03/26 21:35	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		112 %	70-130		P6C0318	03/03/26 13:27	03/03/26 21:35	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.3	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 21:35	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

<b>Chloride</b>	<b>197</b>	1.01	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 17:35	EPA 300.0	
<b>% Moisture</b>	<b>1.0</b>	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

Tellus Consulting, LLC  
 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-9 @ 1'**  
**6C03011-09 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 18:02	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 18:02	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 18:02	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 18:02	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 18:02	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>	<i>80-120</i>		<i>P6C0314</i>	<i>03/03/26 11:13</i>	<i>03/03/26 18:02</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>91.1 %</i>	<i>80-120</i>		<i>P6C0314</i>	<i>03/03/26 11:13</i>	<i>03/03/26 18:02</i>	<i>EPA 8021B</i>	
Xylenes (total)	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 18:02	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 18:02	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:00	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:00	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:00	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		<i>94.7 %</i>	<i>70-130</i>		<i>P6C0318</i>	<i>03/03/26 13:27</i>	<i>03/03/26 22:00</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		<i>106 %</i>	<i>70-130</i>		<i>P6C0318</i>	<i>03/03/26 13:27</i>	<i>03/03/26 22:00</i>	<i>EPA 8015M</i>	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.3	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 22:00	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	7.40	1.01	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 17:54	EPA 300.0	
% Moisture	1.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-10 @ 1'**  
**6C03011-10 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		90.9 %	80-120		P6C0314	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P6C0314	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Xylenes (total)	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 19:16	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 19:16	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:25	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:25	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:25	EPA 8015M	
Surrogate: 1-Chlorooctane		99.5 %	70-130		P6C0318	03/03/26 13:27	03/03/26 22:25	EPA 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P6C0318	03/03/26 13:27	03/03/26 22:25	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.3	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 22:25	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	7.95	1.01	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 18:12	EPA 300.0	
% Moisture	1.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

Tellus Consulting, LLC  
 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-11 @ 1'**  
**6C03011-11 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.0 %	80-120		P6C0314	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P6C0314	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Xylenes (total)	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 19:41	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 19:41	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:49	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:49	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/03/26 22:49	EPA 8015M	
Surrogate: 1-Chlorooctane		97.4 %	70-130		P6C0318	03/03/26 13:27	03/03/26 22:49	EPA 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P6C0318	03/03/26 13:27	03/03/26 22:49	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.3	mg/kg dry	1	[CALC]	03/03/26 13:27	03/03/26 22:49	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	48.2	1.01	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 19:07	EPA 300.0	
% Moisture	1.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

Tellus Consulting, LLC  
 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BH-12 @ 1'**  
**6C03011-12 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.9 %		80-120		P6C0314	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P6C0314	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Xylenes (total)	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 20:05	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 20:05	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:04	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:04	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:04	EPA 8015M	
Surrogate: 1-Chlorooctane	97.4 %		70-130		P6C0318	03/03/26 13:27	03/04/26 00:04	EPA 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P6C0318	03/03/26 13:27	03/04/26 00:04	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.3	mg/kg dry	1	[CALC]	03/03/26 13:27	03/04/26 00:04	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	13.8	1.01	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 20:02	EPA 300.0	
% Moisture	1.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

Tellus Consulting, LLC  
 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**NE Wall 0-12"**  
**6C03011-13 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		P6C0314	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		91.0 %	80-120		P6C0314	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 20:30	EPA 8021B	
Total BTEX	ND	0.00100	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 20:30	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:28	EPA 8015M	
Diesel Range Organics	ND	25.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:28	EPA 8015M	
Mineral Oil Range Organics	ND	25.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:28	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		102 %	70-130		P6C0318	03/03/26 13:27	03/04/26 00:28	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		110 %	70-130		P6C0318	03/03/26 13:27	03/04/26 00:28	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.0	mg/kg dry	1	[CALC]	03/03/26 13:27	03/04/26 00:28	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	3.88	1.00	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 20:21	EPA 300.0	
% Moisture	ND	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

Tellus Consulting, LLC  
 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**SW Wall 0-12"**  
**6C03011-14 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.0 %	80-120		P6C0314	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P6C0314	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 20:54	EPA 8021B	
Total BTEX	ND	0.00100	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 20:54	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:53	EPA 8015M	
Diesel Range Organics	ND	25.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:53	EPA 8015M	
Mineral Oil Range Organics	ND	25.0	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 00:53	EPA 8015M	
Surrogate: 1-Chlorooctane		99.0 %	70-130		P6C0318	03/03/26 13:27	03/04/26 00:53	EPA 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P6C0318	03/03/26 13:27	03/04/26 00:53	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.0	mg/kg dry	1	[CALC]	03/03/26 13:27	03/04/26 00:53	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	ND	1.00	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 20:39	EPA 300.0	
% Moisture	ND	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

Tellus Consulting, LLC  
 4000 North Big Spring Street Suite 109  
 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**DL-1 @ Surf**  
**6C03011-15 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		91.1 %	80-120		P6C0314	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		P6C0314	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
Xylenes (total)	ND	0.00102	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 21:19	EPA 8021B	
Total BTEX	ND	0.00102	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 21:19	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 01:17	EPA 8015M	
Diesel Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 01:17	EPA 8015M	
Mineral Oil Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 01:17	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		95.1 %	70-130		P6C0318	03/03/26 13:27	03/04/26 01:17	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		103 %	70-130		P6C0318	03/03/26 13:27	03/04/26 01:17	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.5	mg/kg dry	1	[CALC]	03/03/26 13:27	03/04/26 01:17	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

<b>Chloride</b>	<b>20.3</b>	1.02	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 20:58	EPA 300.0	
<b>% Moisture</b>	<b>2.0</b>	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**DL-2 @ Surf**  
**6C03011-16 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	80-120		P6C0314	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		91.1 %	80-120		P6C0314	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
Xylenes (total)	ND	0.00102	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 21:43	EPA 8021B	
Total BTEX	ND	0.00102	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 21:43	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 01:41	EPA 8015M	
Diesel Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 01:41	EPA 8015M	
Mineral Oil Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 01:41	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		91.4 %	70-130		P6C0318	03/03/26 13:27	03/04/26 01:41	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		102 %	70-130		P6C0318	03/03/26 13:27	03/04/26 01:41	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.5	mg/kg dry	1	[CALC]	03/03/26 13:27	03/04/26 01:41	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	22.8	1.02	mg/kg dry	1	P6C0317	03/03/26 13:09	03/03/26 21:16	EPA 300.0	
% Moisture	2.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**DL-3 @ Surf**  
**6C03011-17 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.2 %	80-120		P6C0314	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P6C0314	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Xylenes (total)	ND	0.00102	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 22:08	EPA 8021B	
Total BTEX	ND	0.00102	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 22:08	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 02:06	EPA 8015M	
Diesel Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 02:06	EPA 8015M	
Mineral Oil Range Organics	ND	25.5	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 02:06	EPA 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P6C0318	03/03/26 13:27	03/04/26 02:06	EPA 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P6C0318	03/03/26 13:27	03/04/26 02:06	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.5	mg/kg dry	1	[CALC]	03/03/26 13:27	03/04/26 02:06	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	16.1	1.02	mg/kg dry	1	P6C0408	03/04/26 11:13	03/04/26 13:38	EPA 300.0	
% Moisture	2.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**DL-4 @ Surf**  
**6C03011-18 (Soil)**

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Benzene	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P6C0314	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		P6C0314	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		90.6 %	80-120		P6C0314	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 22:32	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	03/03/26 11:13	03/03/26 22:32	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	25.8	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 02:31	EPA 8015M	
Diesel Range Organics	ND	25.8	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 02:31	EPA 8015M	
Mineral Oil Range Organics	ND	25.8	mg/kg dry	1	P6C0318	03/03/26 13:27	03/04/26 02:31	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		89.4 %	70-130		P6C0318	03/03/26 13:27	03/04/26 02:31	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		92.3 %	70-130		P6C0318	03/03/26 13:27	03/04/26 02:31	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	25.8	mg/kg dry	1	[CALC]	03/03/26 13:27	03/04/26 02:31	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	29.7	1.03	mg/kg dry	1	P6C0408	03/04/26 11:13	03/04/26 14:33	EPA 300.0	
% Moisture	3.0	0.1	%	1	P6C0406	03/04/26 10:01	03/04/26 10:04	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C0314 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C0314-BLK1)</b>										
										Prepared & Analyzed: 03/03/26
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.4	80-120			

<b>LCS (P6C0314-BS1)</b>										
										Prepared & Analyzed: 03/03/26
Benzene	0.0989	0.00100	mg/kg	0.100		98.9	80-120		20	
Toluene	0.109	0.00100	"	0.100		109	80-120		20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120		20	
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120		20	
Xylene (o)	0.103	0.00100	"	0.100		103	80-120		20	
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

<b>LCS Dup (P6C0314-BSD1)</b>										
										Prepared & Analyzed: 03/03/26
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120	7.10	20	
Toluene	0.118	0.00100	"	0.100		118	80-120	8.33	20	
Ethylbenzene	0.128	0.00100	"	0.100		128	80-120	8.42	20	L1
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120	7.03	20	
Xylene (o)	0.112	0.00100	"	0.100		112	80-120	8.44	20	
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			

<b>Calibration Blank (P6C0314-CCB1)</b>										
										Prepared & Analyzed: 03/03/26
Benzene	0.0400		ug/kg							
Toluene	0.0800		"							
Ethylbenzene	0.170		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	80-120			

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Project: ThunderBall  
 Project Number: CDEV-46477  
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**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C0314 - \*\*\* DEFAULT PREP \*\*\***

<b>Calibration Blank (P6C0314-CCB2)</b>										
										Prepared & Analyzed: 03/03/26
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			

<b>Calibration Check (P6C0314-CCV1)</b>										
										Prepared & Analyzed: 03/03/26
Benzene	0.0779	0.00100	mg/kg	0.100		77.9	80-120			CCV3
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.133	0.00100	"	0.100		133	80-120			CCV2
Xylene (p/m)	0.249	0.00200	"	0.200		125	80-120			CCV2
Xylene (o)	0.123	0.00100	"	0.100		123	80-120			CCV2
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	75-125			

<b>Calibration Check (P6C0314-CCV2)</b>										
										Prepared & Analyzed: 03/03/26
Benzene	0.0788	0.00100	mg/kg	0.100		78.8	80-120			CCV3
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.135	0.00100	"	0.100		135	80-120			CCV2
Xylene (p/m)	0.254	0.00200	"	0.200		127	80-120			CCV2
Xylene (o)	0.126	0.00100	"	0.100		126	80-120			CCV2
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.1	75-125			

<b>Calibration Check (P6C0314-CCV3)</b>										
										Prepared: 03/03/26 Analyzed: 03/04/26
Benzene	0.111	0.00100	mg/kg	0.100		111	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C0314 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike (P6C0314-MS1)</b>	<b>Source: 6C03011-01</b>			<b>Prepared &amp; Analyzed: 03/03/26</b>						
Benzene	0.113	0.00106	mg/kg dry	0.106	ND	106	80-120		20	
Toluene	0.106	0.00106	"	0.106	ND	99.7	80-120		20	
Ethylbenzene	0.103	0.00106	"	0.106	ND	97.1	80-120		20	
Xylene (p/m)	0.197	0.00213	"	0.213	ND	92.6	80-120		20	
Xylene (o)	0.0862	0.00106	"	0.106	ND	81.0	80-120		20	
Surrogate: 4-Bromofluorobenzene	0.133		"	0.128		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.128		95.7	80-120			

<b>Matrix Spike Dup (P6C0314-MSD1)</b>	<b>Source: 6C03011-01</b>			<b>Prepared &amp; Analyzed: 03/03/26</b>						
Benzene	0.123	0.00106	mg/kg dry	0.106	ND	116	80-120	8.58	20	
Toluene	0.124	0.00106	"	0.106	ND	116	80-120	15.6	20	
Ethylbenzene	0.128	0.00106	"	0.106	ND	120	80-120	21.3	20	QM-05
Xylene (p/m)	0.238	0.00213	"	0.213	ND	112	80-120	18.7	20	
Xylene (o)	0.109	0.00106	"	0.106	ND	103	80-120	23.6	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.134		"	0.128		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.128		95.6	80-120			

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 Project Number: CDEV-46477  
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**Organics by GC - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C0318 - TX 1005**

**Blank (P6C0318-BLK1)**

Prepared & Analyzed: 03/03/26

Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Mineral Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	52.4		"	50.0		105	70-130			

**LCS (P6C0318-BS1)**

Prepared & Analyzed: 03/03/26

Gasoline Range Organics	1230	25.0	mg/kg				75-125		20	
Diesel Range Organics	1180	25.0	"	1000		118	75-125		20	
Surrogate: 1-Chlorooctane	131		"	100		131	70-130			S-GC
Surrogate: o-Terphenyl	58.0		"	50.0		116	70-130			

**LCS Dup (P6C0318-BSD1)**

Prepared & Analyzed: 03/03/26

Gasoline Range Organics	1240	25.0	mg/kg				75-125		20	
Diesel Range Organics	1130	25.0	"	1000		113	75-125	4.67	20	
Surrogate: 1-Chlorooctane	131		"	100		131	70-130			S-GC
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

**Calibration Check (P6C0318-CCV1)**

Prepared & Analyzed: 03/03/26

Gasoline Range Organics	493	25.0	mg/kg	500		98.7	85-115			
Diesel Range Organics	564	25.0	"	500		113	85-115			
Mineral Oil Range Organics	ND	25.0	"				0-200			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	55.8		"	50.0		112	70-130			

**Calibration Check (P6C0318-CCV2)**

Prepared & Analyzed: 03/03/26

Gasoline Range Organics	523	25.0	mg/kg	500		105	85-115			
Diesel Range Organics	540	25.0	"	500		108	85-115			
Mineral Oil Range Organics	ND	25.0	"				0-200			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	55.1		"	50.0		110	70-130			

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**Organics by GC - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C0318 - TX 1005**

**Calibration Check (P6C0318-CCV3)**

Prepared: 03/03/26 Analyzed: 03/04/26

Gasoline Range Organics	551	25.0	mg/kg	500		110	85-115			
Diesel Range Organics	572	25.0	"	500		114	85-115			
Mineral Oil Range Organics	11.2	25.0	"				0-200			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

**Matrix Spike (P6C0318-MS1)**

Source: 6C03011-18

Prepared: 03/03/26 Analyzed: 03/04/26

Gasoline Range Organics	963	25.8	mg/kg dry		10.6		75-125		20	
Diesel Range Organics	885	25.8	"	1030	ND	85.9	75-125		20	
Surrogate: 1-Chlorooctane	100		"	103		97.2	70-130			
Surrogate: o-Terphenyl	40.4		"	51.5		78.4	70-130			

**Matrix Spike Dup (P6C0318-MSD1)**

Source: 6C03011-18

Prepared: 03/03/26 Analyzed: 03/04/26

Gasoline Range Organics	1010	25.8	mg/kg dry		10.6		75-125		20	
Diesel Range Organics	848	25.8	"	1030	ND	82.2	75-125	4.32	20	
Surrogate: 1-Chlorooctane	107		"	103		104	70-130			
Surrogate: o-Terphenyl	41.6		"	51.5		80.7	70-130			

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C0317 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C0317-BLK1)</b>				Prepared & Analyzed: 03/03/26						
Chloride	ND	1.00	mg/kg							
<b>LCS (P6C0317-BS1)</b>				Prepared & Analyzed: 03/03/26						
Chloride	20.3		mg/kg	20.0		101	90-110		10	
<b>LCS Dup (P6C0317-BSD1)</b>				Prepared & Analyzed: 03/03/26						
Chloride	20.3		mg/kg	20.0		102	90-110	0.438	10	
<b>Calibration Check (P6C0317-CCV1)</b>				Prepared & Analyzed: 03/03/26						
Chloride	20.7		mg/kg	20.0		103	90-110			
<b>Calibration Check (P6C0317-CCV2)</b>				Prepared & Analyzed: 03/03/26						
Chloride	21.9		mg/kg	20.0		110	90-110			
<b>Matrix Spike (P6C0317-MS1)</b>				<b>Source: 6C03011-02</b>		Prepared & Analyzed: 03/03/26				
Chloride	103		mg/kg	100	2.46	101	80-120		20	
<b>Matrix Spike (P6C0317-MS2)</b>				<b>Source: 6C03011-11</b>		Prepared & Analyzed: 03/03/26				
Chloride	104		mg/kg	100	0.955	103	80-120		20	
<b>Matrix Spike Dup (P6C0317-MSD1)</b>				<b>Source: 6C03011-02</b>		Prepared & Analyzed: 03/03/26				
Chloride	104		mg/kg	100	2.46	102	80-120	0.818	20	
<b>Matrix Spike Dup (P6C0317-MSD2)</b>				<b>Source: 6C03011-11</b>		Prepared & Analyzed: 03/03/26				
Chloride	104		mg/kg	100	0.955	103	80-120	0.0386	20	

**Batch P6C0406 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C0406-BLK1)</b>				Prepared & Analyzed: 03/04/26						
% Moisture	ND	0.1	%							MOD1

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 Project Manager: Jamey Fowler

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C0406 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C0406-BLK2)</b>				Prepared & Analyzed: 03/04/26						
% Moisture	ND	0.1	%							MOD1
<b>Duplicate (P6C0406-DUP1)</b>				Source: 6C03012-12 Prepared & Analyzed: 03/04/26						
% Moisture	16.0	0.1	%		16.0			0.00	20	MOD1
<b>Duplicate (P6C0406-DUP2)</b>				Source: 6C03010-07 Prepared & Analyzed: 03/04/26						
% Moisture	1.0	0.1	%		1.0			0.00	20	MOD1
<b>Duplicate (P6C0406-DUP3)</b>				Source: 6C03011-12 Prepared & Analyzed: 03/04/26						
% Moisture	1.0	0.1	%		1.0			0.00	20	MOD1
<b>Duplicate (P6C0406-DUP4)</b>				Source: 6C03015-08 Prepared & Analyzed: 03/04/26						
% Moisture	12.0	0.1	%		11.0			8.70	20	MOD1

**Batch P6C0408 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C0408-BLK1)</b>				Prepared & Analyzed: 03/04/26						
Chloride	ND	1.00	mg/kg							
<b>LCS (P6C0408-BS1)</b>				Prepared & Analyzed: 03/04/26						
Chloride	20.4		mg/kg	20.0		102	90-110		10	
<b>LCS Dup (P6C0408-BSD1)</b>				Prepared & Analyzed: 03/04/26						
Chloride	20.2		mg/kg	20.0		101	90-110	1.18	10	
<b>Calibration Check (P6C0408-CCV1)</b>				Prepared & Analyzed: 03/04/26						
Chloride	19.7		mg/kg	20.0		98.7	90-110			

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch P6C0408 - *** DEFAULT PREP ***</b>										
<b>Calibration Check (P6C0408-CCV2)</b>				Prepared & Analyzed: 03/04/26						
Chloride	20.3		mg/kg	20.0		102	90-110			
<b>Matrix Spike (P6C0408-MS1)</b>				Source: 6C03011-17 Prepared & Analyzed: 03/04/26						
Chloride	97.0		mg/kg	100	0.316	96.7	80-120		20	
<b>Matrix Spike (P6C0408-MS2)</b>				Source: 6C03012-09 Prepared & Analyzed: 03/04/26						
Chloride	119		mg/kg	100	17.7	101	80-120		20	
<b>Matrix Spike Dup (P6C0408-MSD1)</b>				Source: 6C03011-17 Prepared & Analyzed: 03/04/26						
Chloride	97.9		mg/kg	100	0.316	97.6	80-120	0.899	20	
<b>Matrix Spike Dup (P6C0408-MSD2)</b>				Source: 6C03012-09 Prepared & Analyzed: 03/04/26						
Chloride	119		mg/kg	100	17.7	101	80-120	0.00506	20	

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Project: ThunderBall  
Project Number: CDEV-46477  
Project Manager: Jamey Fowler

**Notes and Definitions**

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- ROI Received on Ice
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- MOD1 Analysis performed by modified method
- L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte results may be biased high.
- CCV3 CCV recovery was below acceptance limits. Data may be biased low.
- CCV2 CCV recovery was above the acceptance limits. Analyte results may be biased high.
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate



Report Approved By: \_\_\_\_\_ Date: 3/5/2026

Tellus Consulting, LLC  
4000 North Big Spring Street Suite 109  
Midland TX, 79705

Project: ThunderBall  
Project Number: CDEV-46477  
Project Manager: Jamey Fowler

Raland Tuttle, Laboratory Manager/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.





**PERMIAN BASIN  
ENVIRONMENTAL LAB, LP  
1400 Rankin Hwy  
Midland, TX 79701**



# Analytical Report

**Prepared for:**

Jamey Fowler  
Tellus Consulting, LLC  
4000 North Big Spring Street Suite 109  
Midland, TX 79705

Project: ThunderBall  
Project Number: CDEV-46477  
Location: Lea Co  
Lab Order Number: 6C17004



**Current Certification**

Report Date: 03/25/26

Tellus Consulting, LLC  
4000 North Big Spring Street Suite 109  
Midland TX, 79705

Project: ThunderBall  
Project Number: CDEV-46477  
Project Manager: Jamey Fowler

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Caliche	6C17004-01	Soil	03/17/26 08:40	03-17-2026 13:33
Top Soil	6C17004-02	Soil	03/17/26 08:40	03-17-2026 13:33

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**Caliche**  
**6C17004-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Benzene	ND	0.00115	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.8 %	80-120		P6C1814	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P6C1814	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Xylenes (total)	ND	0.00115	mg/kg dry	1	[CALC]	03/18/26 09:35	03/18/26 13:27	EPA 8021B	
Total BTEX	ND	0.00115	mg/kg dry	1	[CALC]	03/18/26 09:35	03/18/26 13:27	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	28.7	mg/kg dry	1	P6C1810	03/18/26 12:30	03/18/26 12:51	EPA 8015M	
Diesel Range Organics	ND	28.7	mg/kg dry	1	P6C1810	03/18/26 12:30	03/18/26 12:51	EPA 8015M	
Mineral Oil Range Organics	ND	28.7	mg/kg dry	1	P6C1810	03/18/26 12:30	03/18/26 12:51	EPA 8015M	
Surrogate: 1-Chlorooctane		90.3 %	70-130		P6C1810	03/18/26 12:30	03/18/26 12:51	EPA 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P6C1810	03/18/26 12:30	03/18/26 12:51	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	28.7	mg/kg dry	1	[CALC]	03/18/26 12:30	03/18/26 12:51	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

Chloride	318	1.15	mg/kg dry	1	P6C1812	03/18/26 09:13	03/18/26 10:42	EPA 300.0	
% Moisture	13.0	0.1	%	1	P6C1813	03/18/26 09:15	03/18/26 09:18	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**Top Soil**  
**6C17004-02 (Soil)**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Benzene	ND	0.00118	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P6C1814	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.7 %	80-120		P6C1814	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		P6C1814	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
Xylenes (total)	ND	0.00118	mg/kg dry	1	[CALC]	03/18/26 09:35	03/18/26 13:52	EPA 8021B	
Total BTEX	ND	0.00118	mg/kg dry	1	[CALC]	03/18/26 09:35	03/18/26 13:52	EPA 8021B	

**Organics by GC**

Gasoline Range Organics	ND	29.4	mg/kg dry	1	P6C1810	03/18/26 12:30	03/18/26 13:14	EPA 8015M	
Diesel Range Organics	ND	29.4	mg/kg dry	1	P6C1810	03/18/26 12:30	03/18/26 13:14	EPA 8015M	
Mineral Oil Range Organics	ND	29.4	mg/kg dry	1	P6C1810	03/18/26 12:30	03/18/26 13:14	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		90.9 %	70-130		P6C1810	03/18/26 12:30	03/18/26 13:14	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		110 %	70-130		P6C1810	03/18/26 12:30	03/18/26 13:14	EPA 8015M	

**Total Petroleum Hydrocarbons C6-C36 by EPA Method 8015M**

Total Hydrocarbons	ND	29.4	mg/kg dry	1	[CALC]	03/18/26 12:30	03/18/26 13:14	[CALC]	
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**General Chemistry Parameters by EPA / Standard Methods**

<b>Chloride</b>	<b>18.4</b>	1.18	mg/kg dry	1	P6C1812	03/18/26 09:13	03/18/26 11:28	EPA 300.0	
<b>% Moisture</b>	<b>15.0</b>	0.1	%	1	P6C1813	03/18/26 09:15	03/18/26 09:18	ASTM D2216	MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C1814 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C1814-BLK1)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			

<b>LCS (P6C1814-BS1)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120		20	
Toluene	0.127	0.00100	"	0.100		127	80-120		20	L1
Ethylbenzene	0.137	0.00100	"	0.100		137	80-120		20	L1
Xylene (p/m)	0.253	0.00200	"	0.200		126	80-120		20	L1
Xylene (o)	0.121	0.00100	"	0.100		121	80-120		20	L1
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.4	80-120			

<b>LCS Dup (P6C1814-BS1)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	0.114	0.00100	mg/kg	0.100		114	80-120	3.84	20	
Toluene	0.122	0.00100	"	0.100		122	80-120	4.02	20	L1
Ethylbenzene	0.131	0.00100	"	0.100		131	80-120	4.15	20	L1
Xylene (p/m)	0.243	0.00200	"	0.200		121	80-120	4.11	20	L1
Xylene (o)	0.116	0.00100	"	0.100		116	80-120	4.28	20	
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			

<b>Calibration Blank (P6C1814-CCB1)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	0.110		ug/kg							
Toluene	0.150		"							
Ethylbenzene	0.430		"							
Xylene (p/m)	0.490		"							
Xylene (o)	0.130		"							
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		105	80-120			

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**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C1814 - \*\*\* DEFAULT PREP \*\*\***

<b>Calibration Blank (P6C1814-CCB2)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	0.150		ug/kg							
Toluene	0.190		"							
Ethylbenzene	0.620		"							
Xylene (p/m)	0.680		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.2	80-120			

<b>Calibration Check (P6C1814-CCV1)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.7	75-125			

<b>Calibration Check (P6C1814-CCV2)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.121	0.00100	"	0.100		121	80-120			CCV2
Ethylbenzene	0.127	0.00100	"	0.100		127	80-120			CCV2
Xylene (p/m)	0.243	0.00200	"	0.200		122	80-120			CCV2
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	75-125			

<b>Calibration Check (P6C1814-CCV3)</b>										
										Prepared & Analyzed: 03/18/26
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.121	0.00100	"	0.100		121	80-120			CCV2
Ethylbenzene	0.126	0.00100	"	0.100		126	80-120			CCV2
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	75-125			

PBELSTD\_TNI25\_3:16:33PM

Permian Basin Environmental Lab, L.P.

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.*

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 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C1814 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike (P6C1814-MS1)</b>	<b>Source: 6C17004-01</b>			<b>Prepared &amp; Analyzed: 03/18/26</b>						
Benzene	0.109	0.00115	mg/kg dry	0.115	ND	94.5	80-120		20	
Toluene	0.112	0.00115	"	0.115	ND	97.2	80-120		20	
Ethylbenzene	0.118	0.00115	"	0.115	ND	103	80-120		20	
Xylene (p/m)	0.229	0.00230	"	0.230	ND	99.6	80-120		20	
Xylene (o)	0.100	0.00115	"	0.115	ND	87.4	80-120		20	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.132</i>		<i>"</i>	<i>0.138</i>		<i>95.7</i>	<i>80-120</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.153</i>		<i>"</i>	<i>0.138</i>		<i>111</i>	<i>80-120</i>			

<b>Matrix Spike Dup (P6C1814-MSD1)</b>	<b>Source: 6C17004-01</b>			<b>Prepared &amp; Analyzed: 03/18/26</b>						
Benzene	0.104	0.00115	mg/kg dry	0.115	ND	90.7	80-120	4.05	20	
Toluene	0.105	0.00115	"	0.115	ND	91.2	80-120	6.39	20	
Ethylbenzene	0.110	0.00115	"	0.115	ND	95.8	80-120	7.03	20	
Xylene (p/m)	0.219	0.00230	"	0.230	ND	95.2	80-120	4.52	20	
Xylene (o)	0.0926	0.00115	"	0.115	ND	80.6	80-120	8.07	20	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.132</i>		<i>"</i>	<i>0.138</i>		<i>95.5</i>	<i>80-120</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.153</i>		<i>"</i>	<i>0.138</i>		<i>111</i>	<i>80-120</i>			

Tellus Consulting, LLC  
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 Midland TX, 79705

Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**Organics by GC - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C1810 - TX 1005**

**Blank (P6C1810-BLK1)**

Prepared & Analyzed: 03/18/26

Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Mineral Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	87.0		"	100		87.0	70-130			
Surrogate: o-Terphenyl	51.3		"	50.0		103	70-130			

**LCS (P6C1810-BS1)**

Prepared & Analyzed: 03/18/26

Gasoline Range Organics	1060	25.0	mg/kg	1000		106	75-125		20	
Diesel Range Organics	1050	25.0	"	1000		105	75-125		20	
Surrogate: 1-Chlorooctane	130		"	100		130	70-130			
Surrogate: o-Terphenyl	60.4		"	50.0		121	70-130			

**LCS Dup (P6C1810-BSD1)**

Prepared & Analyzed: 03/18/26

Gasoline Range Organics	1060	25.0	mg/kg	1000		106	75-125	0.514	20	
Diesel Range Organics	1020	25.0	"	1000		102	75-125	3.18	20	
Surrogate: 1-Chlorooctane	130		"	100		130	70-130			
Surrogate: o-Terphenyl	59.8		"	50.0		120	70-130			

**Calibration Check (P6C1810-CCV1)**

Prepared & Analyzed: 03/18/26

Gasoline Range Organics	497	25.0	mg/kg	500		99.4	85-115			
Diesel Range Organics	534	25.0	"	500		107	85-115			
Mineral Oil Range Organics	ND	25.0	"	500			0-200			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	55.2		"	50.0		110	70-130			

**Calibration Check (P6C1810-CCV2)**

Prepared & Analyzed: 03/18/26

Gasoline Range Organics	510	25.0	mg/kg	500		102	85-115			
Diesel Range Organics	555	25.0	"	500		111	85-115			
Mineral Oil Range Organics	ND	25.0	"	500			0-200			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	58.4		"	50.0		117	70-130			

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**Organics by GC - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C1810 - TX 1005**

**Calibration Check (P6C1810-CCV3)**

Prepared & Analyzed: 03/18/26

Gasoline Range Organics	511	25.0	mg/kg	500		102	85-115			
Diesel Range Organics	564	25.0	"	500		113	85-115			
Mineral Oil Range Organics	ND	25.0	"	500			0-200			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	56.5		"	50.0		113	70-130			

**Duplicate (P6C1810-DUP1)**

Source: 6C17005-18

Prepared & Analyzed: 03/18/26

Gasoline Range Organics	24.4	26.6	mg/kg dry		18.9			25.6	20	R
Diesel Range Organics	ND	26.6	"		ND				20	
Mineral Oil Range Organics	ND	26.6	"		ND				200	
Surrogate: 1-Chlorooctane	107		"	106		100	70-130			
Surrogate: o-Terphenyl	62.2		"	53.2		117	70-130			

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P6C1812 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C1812-BLK1)</b>				Prepared & Analyzed: 03/18/26						
Chloride	ND	1.00	mg/kg							
<b>LCS (P6C1812-BS1)</b>				Prepared & Analyzed: 03/18/26						
Chloride	19.2		mg/kg	20.0		96.1	90-110		10	
<b>LCS Dup (P6C1812-BSD1)</b>				Prepared & Analyzed: 03/18/26						
Chloride	19.5		mg/kg	20.0		97.3	90-110	1.28	10	
<b>Calibration Check (P6C1812-CCV1)</b>				Prepared & Analyzed: 03/18/26						
Chloride	18.7		mg/kg	20.0		93.6	90-110			
<b>Calibration Check (P6C1812-CCV2)</b>				Prepared & Analyzed: 03/18/26						
Chloride	19.4		mg/kg	20.0		96.8	90-110			
<b>Matrix Spike (P6C1812-MS1)</b>				<b>Source: 6C17004-01</b>		Prepared & Analyzed: 03/18/26				
Chloride	112		mg/kg	100	5.54	106	80-120		20	
<b>Matrix Spike (P6C1812-MS2)</b>				<b>Source: 6C17005-09</b>		Prepared & Analyzed: 03/18/26				
Chloride	120		mg/kg	100	20.3	99.5	80-120		20	
<b>Matrix Spike Dup (P6C1812-MSD1)</b>				<b>Source: 6C17004-01</b>		Prepared & Analyzed: 03/18/26				
Chloride	112		mg/kg	100	5.54	107	80-120	0.217	20	
<b>Matrix Spike Dup (P6C1812-MSD2)</b>				<b>Source: 6C17005-09</b>		Prepared & Analyzed: 03/18/26				
Chloride	120		mg/kg	100	20.3	99.2	80-120	0.262	20	

**Batch P6C1813 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P6C1813-BLK1)</b>				Prepared & Analyzed: 03/18/26						
% Moisture	ND	0.1	%							MOD1

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Project: ThunderBall  
 Project Number: CDEV-46477  
 Project Manager: Jamey Fowler

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch P6C1813 - *** DEFAULT PREP ***</b>										
<b>Blank (P6C1813-BLK2)</b>	Prepared & Analyzed: 03/18/26									
% Moisture	ND	0.1	%							MOD1
<b>Blank (P6C1813-BLK3)</b>	Prepared & Analyzed: 03/18/26									
% Moisture	ND	0.1	%							MOD1
<b>Blank (P6C1813-BLK4)</b>	Prepared & Analyzed: 03/18/26									
% Moisture	ND	0.1	%							MOD1
<b>Duplicate (P6C1813-DUP1)</b>	<b>Source: 6C17005-07</b>			Prepared & Analyzed: 03/18/26						
% Moisture	6.0	0.1	%		5.0			18.2	20	MOD1
<b>Duplicate (P6C1813-DUP2)</b>	<b>Source: 6C17005-17</b>			Prepared & Analyzed: 03/18/26						
% Moisture	6.0	0.1	%		6.0			0.00	20	MOD1
<b>Duplicate (P6C1813-DUP3)</b>	<b>Source: 6C17005-32</b>			Prepared & Analyzed: 03/18/26						
% Moisture	7.0	0.1	%		7.0			0.00	20	MOD1
<b>Duplicate (P6C1813-DUP4)</b>	<b>Source: 6C17005-45</b>			Prepared & Analyzed: 03/18/26						
% Moisture	6.0	0.1	%		7.0			15.4	20	MOD1
<b>Duplicate (P6C1813-DUP5)</b>	<b>Source: 6C17005-57</b>			Prepared & Analyzed: 03/18/26						
% Moisture	7.0	0.1	%		7.0			0.00	20	MOD1
<b>Duplicate (P6C1813-DUP6)</b>	<b>Source: 6C17005-66</b>			Prepared & Analyzed: 03/18/26						
% Moisture	7.0	0.1	%		8.0			13.3	20	MOD1

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Project: ThunderBall  
Project Number: CDEV-46477  
Project Manager: Jamey Fowler

**Notes and Definitions**

- ROI Received on Ice
- R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- MOD1 Analysis performed by modified method
- L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte results may be biased high.
- CCV2 CCV recovery was above the acceptance limits. Analyte results may be biased high.
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By: \_\_\_\_\_



Date: 3/25/2026

Raland Tuttle, Laboratory Manager/Technical Director

Tellus Consulting, LLC  
4000 North Big Spring Street Suite 109  
Midland TX, 79705

Project: ThunderBall  
Project Number: CDEV-46477  
Project Manager: Jamey Fowler

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



Thunderball 26 Battery 1

Incident Number : NAPP2602157514



## APENDICES

### Appendix D – NMOCD Communication

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 545302

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545302
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Thunderball 26 Battery 1
Date Release Discovered	01/20/2026
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	Yes
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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Dump Valve   Crude Oil   Released: 3 BBL   Recovered: 0 BBL   Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	small fire at base of flare. No injuries or loss of equipment.

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

QUESTIONS, Page 2

Action 545302

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545302
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More volume information must be supplied to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.</b>
<i>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.</i>	

**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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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ACKNOWLEDGMENTS

Action 545302

**ACKNOWLEDGMENTS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545302
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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**Santa Fe, NM 87505**

CONDITIONS

Action 545302

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545302
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
mtaylorpr	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/21/2026

\*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*

Location of spill: Thunderball 26 Battery 1

Date of Spill: 1/20/2026

Site Soil Type: \_\_\_\_\_

Average Daily Production: \_\_\_\_\_ BBL Oil \_\_\_\_\_ BBL Water

Total Area Calculations						
Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	135 ft	X	10 ft	X	1 in	100%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Porosity 0.16 gal per gal

**Saturated Soil Volume Calculations:**

		<u>H2O</u>	<u>OIL</u>
Area #1	1350 sq. ft.	cu. ft.	113 cu. ft.
Area #2	0 sq. ft.	cu. ft.	cu. ft.
Area #3	0 sq. ft.	cu. ft.	cu. ft.
Area #4	0 sq. ft.	cu. ft.	cu. ft.
Area #5	0 sq. ft.	cu. ft.	cu. ft.
Area #6	0 sq. ft.	cu. ft.	cu. ft.
Area #7	0 sq. ft.	cu. ft.	cu. ft.
Area #8	0 sq. ft.	cu. ft.	cu. ft.
Total Solid/Liquid Volume:	<b>1,350 sq. ft.</b>	<b>cu. ft.</b>	<b>113 cu. ft.</b>

**Estimated Volumes Spilled**

	<u>H2O</u>	<u>OIL</u>
Liquid in Soil:	0.0 BBL	3.2 BBL
Liquid Recovered :	0.0 BBL	0.0 BBL
Spill Liquid	0.0 BBL	3.2 BBL
Total Spill Liquid:		<u>3.2</u>

**Recovered Volumes**

Estimated oil recovered: **0.0 BBL**  
 Estimated water recovered: **0.0 BBL**

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravelly Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 545306

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545306
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2602157514
Incident Name	NAPP2602157514 THUNDERBALL 26 BATTERY 1 @ B-26-19S-34E
Incident Type	Oil Release
Incident Status	Initial C-141 Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Thunderball 26 Battery 1
Date Release Discovered	01/20/2026
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	Yes
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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Dump Valve   Crude Oil   Released: 3 BBL   Recovered: 0 BBL   Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	small fire at base of flare. No injuries or loss of equipment.

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QUESTIONS, Page 2

Action 545306

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545306
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.</b>
<i>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.</i>	

**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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 01/21/2026
--	--

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

QUESTIONS, Page 3

Action 545306

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545306
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**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 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No

**What is the minimum distance, between the closest lateral extents of the release and the following surface areas:**

A continuously flowing watercourse or any other significant watercourse	Between 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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (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	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
---	----

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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CONDITIONS

Action 545306

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 545306
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	None	1/22/2026

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

QUESTIONS

Action 556837

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 556837
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2602157514
Incident Name	NAPP2602157514 THUNDERBALL 26 BATTERY 1 @ B-26-19S-34E
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

<b>Location of Release Source</b>	
Site Name	Thunderball 26 Battery 1
Date Release Discovered	01/20/2026
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,000
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/26/2026
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Joe Belloc 432.813.8082
Please provide any information necessary for navigation to sampling site	32.636849,-103.528501

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**Santa Fe, NM 87505**

CONDITIONS

Action 556837

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 556837
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
mtaylorpr	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/23/2026
mtaylorpr	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/23/2026

Thunderball 26 Battery 1

Incident Number : NAPP2602157514



## APENDICES

### Appendix E – Disposal Manifests



# LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

<b>NON-HAZARDOUS WASTE MANIFEST</b>		<b>No. 223623</b>	<b>Trailer No. DJ-643</b>		
<b>GENERATOR</b>	<b>Company Name:</b> Permian Resources		<b>Address:</b> 300 N. Marienfield St., #1000 Midland, TX 79701		
	<b>Phone:</b> (432) 695-4222		<b>Disposal Date:</b> 02-18-2026 11:03 AM		
	<b>Name Or Description Of Waste Shipped:</b>				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	<b>Weight (lbs):</b> <i>23380, 23620, 24140, 24360    TP 95500</i>				
<b>Lease/Job Name:</b> THUNDERBALL #2 CTB					
<b>Generator's Representative:</b> Montgomery Floyd					
<b>TRANSPORTER</b>	<b>Name:</b> Tellus Env Services				
	<b>Emergency Contact:</b> Jamey Fowler				
	<b>Emergency Contact Phone:</b> 432-557-0934				
	<b>Transporter: Acknowledgment of Delivery of Material</b>				
<b>Printed/Typed Name (Impreso/Mecanografico):</b> <i>X Iverson Freusto</i>					
<b>Signature (Firma):</b> <i>X Iverson Freusto</i> <b>Date:</b> 02-18-2026 11:03 AM					
<b>DISPOSAL FACILITY</b>	<b>Lea Land, LLC</b>		<b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM</b>		
			<b>(575) 887-4048</b>		
	<b>Permit No:</b> NM-1-0035-New Mexico		<b>Comments:</b>		
	<b>Disposal Facility's Certification:</b> I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
<b>Authorized Signature:</b> <i>M Sanchez</i>		<b>Unit No:</b> IIB	<b>Date:</b> 02-18-2026	<b>Time:</b> 11:03 AM	

LEA LAND, LLC  
12220 N. MACARTHUR BLVD, SUITE F310 • OKLAHOMA CITY, OK 73162 • PHONE (405) 236-4257



**LEA LAND**  
LLC

# LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

<b>NON-HAZARDOUS WASTE MANIFEST</b>		<b>No. 223624</b>	<b>Trailer No. DJ-177</b>		
<b>GENERATOR</b>	<b>Company Name:</b> Permian Resources		<b>Address:</b> 300 N. Marienfield St., #1000 Midland, TX 79701		
	<b>Phone:</b> (432) 695-4222		<b>Disposal Date:</b> 02-18-2026 11:05 AM		
	<b>Name Or Description Of Waste Shipped:</b>				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	<b>Weight (lbs):</b> 20820, 21080, 21680, 21740 TC 85320				
<b>Lease/Job Name:</b> THUNDERBALL #2 CTB					
<b>Generator's Representative:</b> Montgomery Floyd					
<b>TRANSPORTER</b>	<b>Name:</b> Tellus Env Services				
	<b>Emergency Contact:</b> Jamey Fowler				
	<b>Emergency Contact Phone:</b> 432-557-0934				
	<b>Transporter: Acknowledgment of Delivery of Material</b>				
<b>Printed/Typed Name (Impreso/Mecanografico):</b> <u>Jaine Robles</u>					
<b>Signature (Firma):</b> X <u>Jaine Robles</u> <b>Date:</b> 02-18-2026 11:05 AM					
<b>DISPOSAL FACILITY</b>	<b>Lea Land, LLC</b>		<b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM</b>		
			<b>(575) 887-4048</b>		
	<b>Permit No:</b> NM-1-0035-New Mexico		<b>Comments:</b>		
	<b>Disposal Facility's Certification:</b> I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
<b>Authorized Signature:</b> <u>M Sanchez</u>		<b>Unit No:</b> IIB	<b>Date:</b> 02-18-2026	<b>Time:</b> 11:05 AM	

LEA LAND, LLC

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 572779

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2602157514
Incident Name	NAPP2602157514 THUNDERBALL 26 BATTERY 1 @ B-26-19S-34E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Thunderball 26 Battery 1
Date Release Discovered	01/20/2026
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	Yes
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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Dump Valve   Crude Oil   Released: 3 BBL   Recovered: 0 BBL   Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	small fire at base of flare. No injuries or loss of equipment.

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QUESTIONS, Page 2

Action 572779

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.</b>

*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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 04/09/2026
--	--

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QUESTIONS, Page 3

Action 572779

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (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	Yes

<b>Remediation Plan</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>	
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
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	350
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/18/2026
On what date will (or did) the final sampling or liner inspection occur	02/26/2026
On what date will (or was) the remediation complete(d)	03/09/2026
What is the estimated surface area (in square feet) that will be reclaimed	2400
What is the estimated volume (in cubic yards) that will be reclaimed	90
What is the estimated surface area (in square feet) that will be remediated	2400
What is the estimated volume (in cubic yards) that will be remediated	90
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 572779

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	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 <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	<a href="#">fEEM0112342028 LEA LAND LANDFILL</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<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.

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: Matthew Taylor Title: Environmental Coordinator Email: <a href="mailto:matthew.taylor@permianres.com">matthew.taylor@permianres.com</a> Date: 04/09/2026
--	---

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 5

Action 572779

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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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, Page 6

Action 572779

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>567079</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>04/01/2026</b>
What was the (estimated) number of samples that were to be gathered	<b>10</b>
What was the sampling surface area in square feet	<b>2000</b>

**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	2400
What was the total volume (cubic yards) remediated	90
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	2400
What was the total volume (in cubic yards) reclaimed	90
Summarize any additional remediation activities not included by answers (above)	Remediation is complete at the site. The sampling notice submitted on 04/01/2026 was an error. It should have been submitted for incident # nAPP2532453396.

*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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 04/09/2026
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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>

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Action 572779

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

Sante Fe Main Office  
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CONDITIONS

Action 572779

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 572779
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	None	5/18/2026