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TALON LPE

Closure Report

Bola 7 Federal # 2
Lea County, New Mexico
API ID # 30-025-35381
Incident # NSAP0122604881

Prepared For:

Matador Resources
5347 N. 26th Street 2nd Floor.
Artesia, NM 88210

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

April 13, 2023

NMOCD
506 W. Texas Ave
Artesia, NM 88210

BLM
620 E. Green St.
Carlsbad, NM 88220

Subject: **Closure Report**
Bola 7 Federal # 2
Lea County, New Mexico
API # 30-025-35381
Incident # NSAP0122604881

To Whom It May Concern,

Matador Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request are presented herein.

Site Information

The Bola 7 Federal # 002 is located approximately 34 miles west of Hobbs, New Mexico. The legal location for this release is Unit Letter B, Section 12, Township 18 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.7675133 and -103.7993164. A Site Location Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Pyote and Maljamer fine sands with, 0 to 3 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala and Alluvial deposits.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 3 miles from the site and is recorded at 84 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. The FEMA data base locates the site in a minimal flood hazard zone.

Approximate Depth to Groundwater	**84 feet bgs**
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Table I
Closure Criteria for Soils Impacted by a Release

Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	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 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

Matador Resources personnel noted a historical spill had been reported on August 13, 2001, that needed to be addressed. The C-141 submitted to the NMOCD, incident numbers NSAP0122604881, stated polish liner slipped resulting in approximately 26 (BBLS) leak. The site location map is presented in Appendix I.

Site Assessment

On March 21, 2023, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Eurofins Analytical Laboratory for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH via EPA Method 8015NM), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 1 in Appendix I and the results of our sampling event are presented below in Table 1.

Table 1
Initial Site Assessment Samples

Bola 7 Fed #2									
Sample ID	**Sample Date**	**Depth (BGS)**	**Benzene mg/kg**	**BTEX mg/kg**	**GRO mg/kg**	**DRO mg/kg**	**MRO mg/kg**	**Total TPH mg/kg**	**Chlorides mg/kg**
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			**10 mg/kg**	**50 mg/kg**	**DRO + GRO + MRO combined = 100 mg/kg**			**100 mg/kg**	**600 mg/kg**
S-1	3/21/2023	1'	ND	ND	23.9	40.8	ND	64.7	189
	3/21/2023	3'	ND	ND	26.5	23.6	ND	50.1	228
	3/21/2023	4'	ND	ND	31.4	ND	ND	31.4	219
S-2	3/21/2023	1'	ND	ND	ND	82.1	ND	82.1	2220
	3/21/2023	3'	ND	ND	ND	84	16.3	100.3	1490
	3/21/2023	4'	ND	ND	22.9	17.3	ND	40.2	275
S-3	3/21/2023	1'	ND	ND	24.6	25.4	ND	50	2.83
	3/21/2023	3'	ND	ND	23.9	15.1	ND	39	1.49
	3/21/2023	4'	ND	ND	26.5	35.5	ND	62	2.32

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
C	Confirmation Sample
SW	Sidewall Sample
TT	Test Trench
R	Refusal
BH	Borehole
ND	Analyte Not Detected
NT	Analyte Not Tested

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Remedial Actions

On April 6, 2023, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and third party equipment mobilized to the site to continue delineation of the impacted area with hydr-vac. The impacted area was excavated to 3.5 feet bgs at the locations shown on Figure 2, site excavation map and the analytical results from those efforts presented in table 2. All soil confirmation samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The soil sample results from the laboratory are tabulated below. Sample locations are illustrated on Figure 2 (Appendix I).

Bola 7 Fed # 2									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
WS-1	4/6/2023	1.5'	ND	ND	ND	ND	ND	0	128
ES-1	4/6/2023	1.5'	ND	ND	ND	ND	ND	0	208
BS-1	4/6/2023	3.5'	ND	ND	ND	ND	ND	0	112

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
C	Confirmation Sample
SW	Sidewall Sample
TT	Test Trench
R	Refusal
ND	Analyte Not Detected
NT	Analyte Not Tested

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Closure

On behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Respectfully submitted,

Talon/LPE

Chad Hensley
Project Manager

Attachments:

Appendix I	Site Maps
Appendix II	Groundwater Data, Soil Survey, FEMA Flood Map
Appendix III	C-141 Form
Appendix IV	Photographic Documentation
Appendix V	Laboratory Report

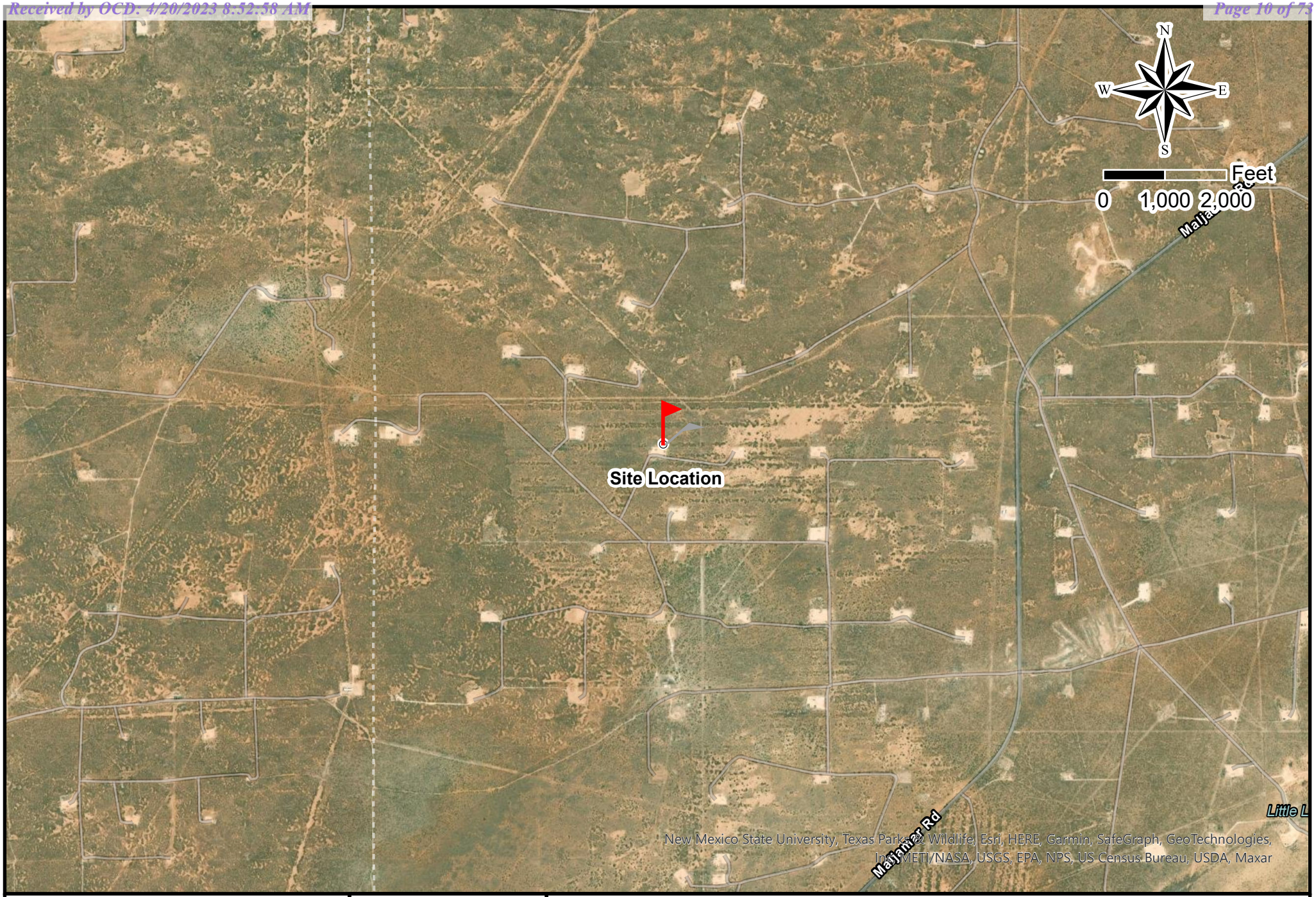
Appendix I

Site Maps

TALON LPE

Drafted: 4/14/2023
1 in = 10 ft
Drafted By: JAI

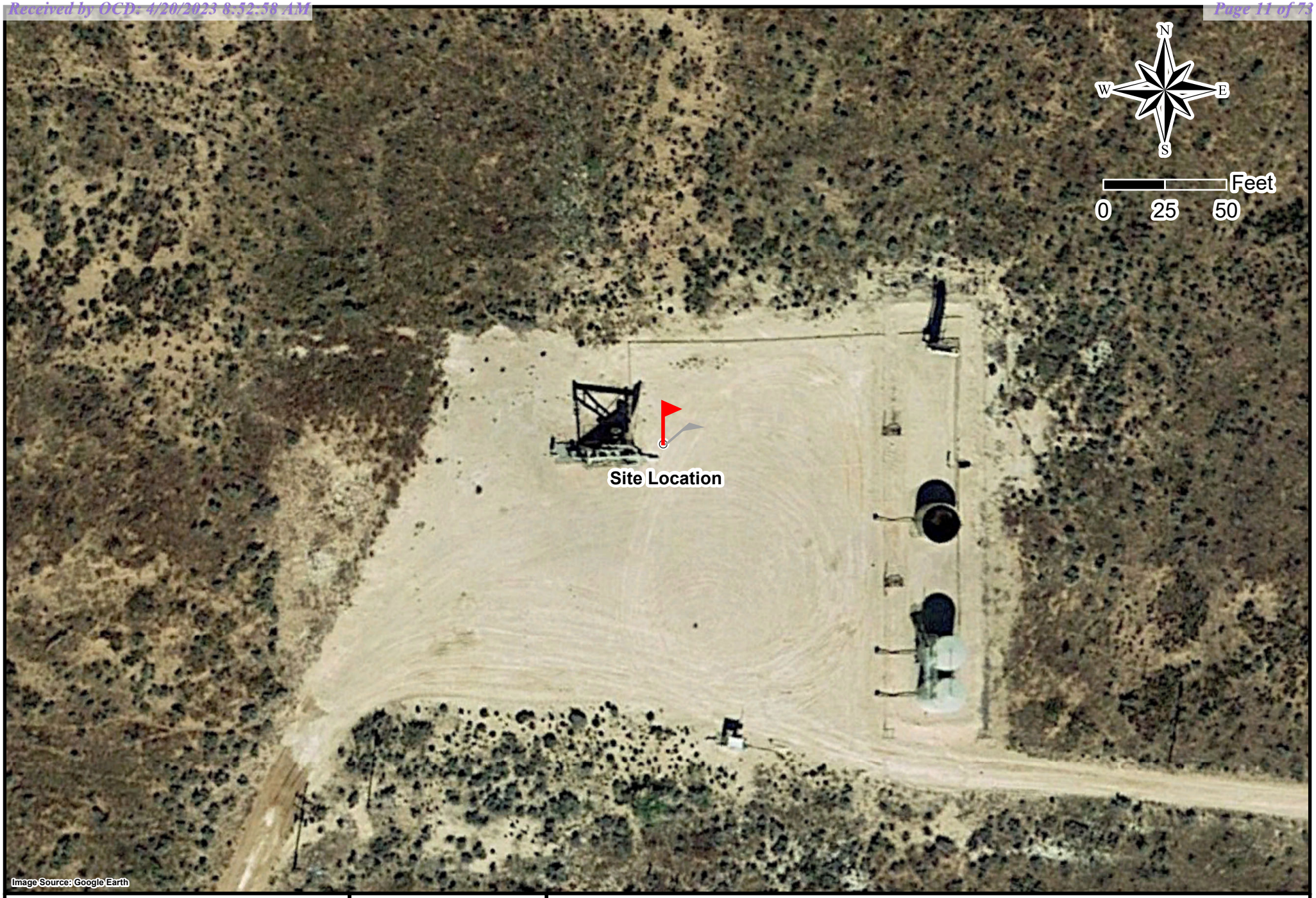
Matador
Bola 7 Federal #2
Eddy County, New Mexico
Excavation Map



TALON LPE

Drafted: 4/14/2023
1 in = 2,000 ft
Drafted By: JAI

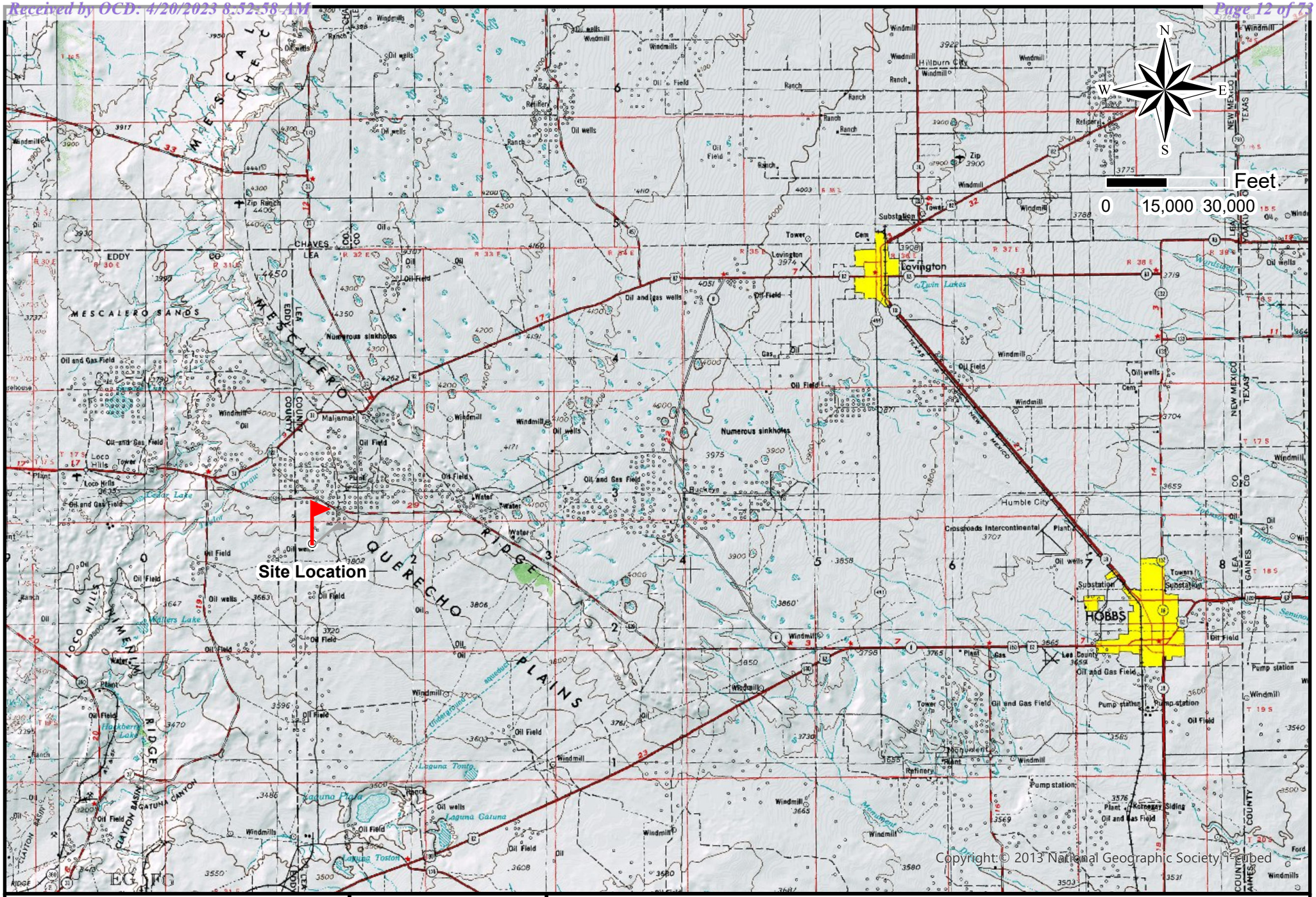
Matador
Bola 7 Federal #2
Eddy County, New Mexico
Location Map



TALON LPE

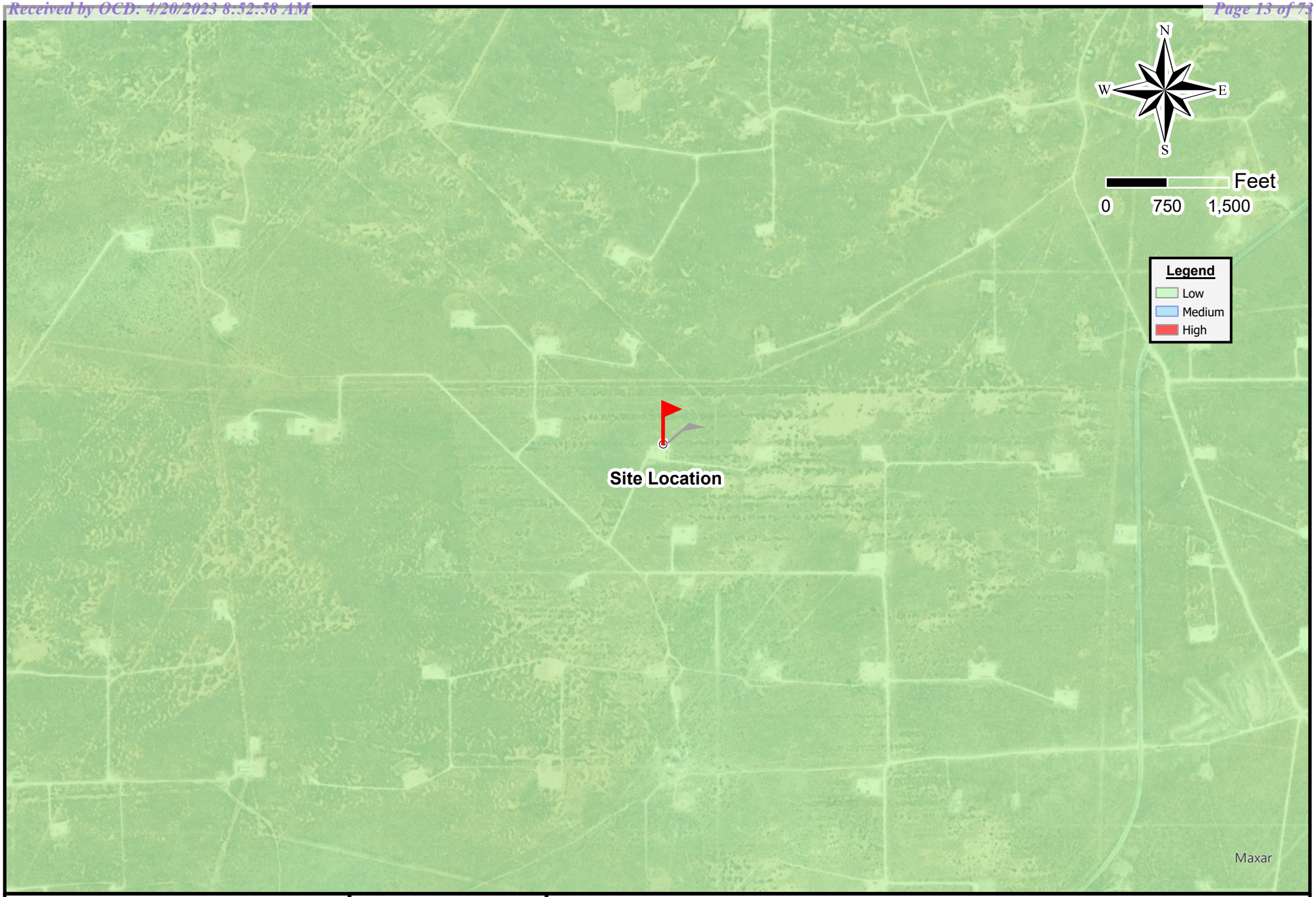
Drafted: 4/14/2023
1 in = 50 ft
Drafted By: JAI

Matador
Bola 7 Federal #2
Eddy County, New Mexico
Site Map



TALON LPE

Drafted: 4/14/2023	Matador
1 in = 30,000 ft	Bola 7 Federal #2
Drafted By: JAI	Eddy County, New Mexico
	Topographic Map



TALON LPE

Drafted: 4/14/2023
1 in = 1,500 ft
Drafted By: JAI

Matador
Bola 7 Federal #2
Eddy County, New Mexico
Karst Map

Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map

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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00566 POD1		CP	LE	4	4	1	04	18S	32E	614960	3627280*	133	65	68
CP 00672		CP	LE		4	4	07	18S	32E	612475	3624947*	524	430	94
CP 00672 CLW475398	O	CP	LE		4	4	07	18S	32E	612475	3624947*	540	460	80
CP 00677		CP	LE		1	1	26	18S	32E	617750	3621373*	700		
CP 00814 POD1		CP	LE		2	2	08	18S	32E	614074	3626168*	480		
CP 01938 POD1		CP	LE	1	4	1	32	18S	32E	613277	3619332	51		

Average Depth to Water: **318 feet**

Minimum Depth: **65 feet**

Maximum Depth: **460 feet**

Record Count: 6

PLSS Search:

Township: 18S **Range:** 32E

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

National Flood Hazard Layer FIRMette

FEMA

103°48'16"W 32°46'18"N

103°47'39"W 32°45'48"N

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

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

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

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/14/2023 at 1:47 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.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

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

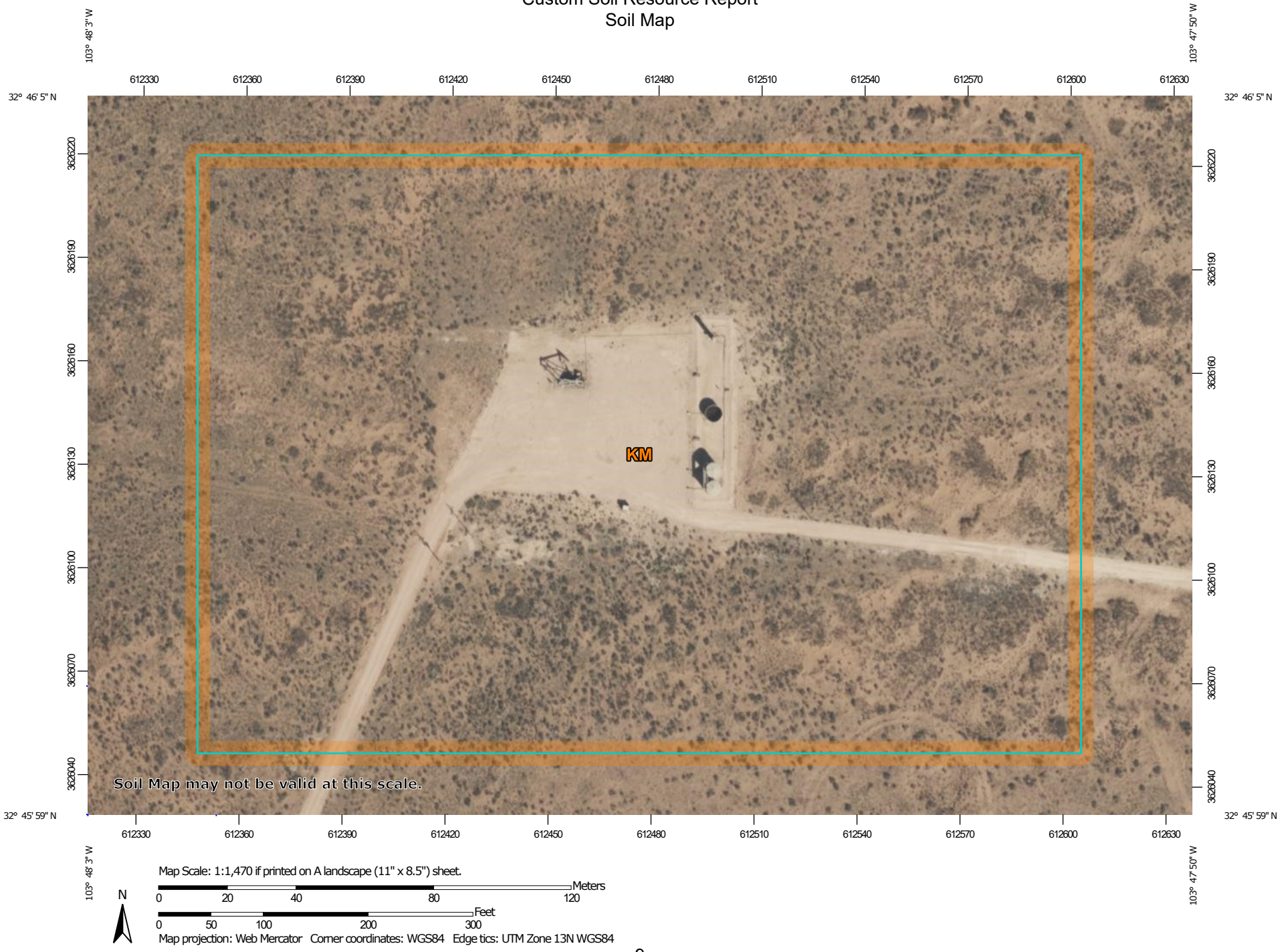
Custom Soil Resource Report for Lea County, New Mexico

April 14, 2023

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



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 19, Sep 8, 2022

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.

Lea County, New Mexico

KM—Kermit soils and Dune land, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpx
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 46 percent
Dune land: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 5 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Appendix III

C-141 Forms

&

Correspondence

From: Marcus, Ramona, EMNRD
To: Rebecca Pons
Subject: RE: [EXTERNAL] Historical Release Bola 7 Fed 2
Date: Thursday, May 12, 2022 8:20:50 AM
Attachments: image001.png

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning Rebecca,

There is an open incident for this site. The incident number is **NSAP0122604881.**

As there is no C-141 on record, please submit this with analytical data from the perceived impacted area.

Please let me know if you have any questions.

Have a great day, Rebecca!

Ramona

From: Rebecca Pons <rpons@talonlpe.com>
Sent: Tuesday, May 10, 2022 9:42 AM
To: Marcus, Ramona, EMNRD <Ramona.Marcus@state.nm.us>
Subject: [EXTERNAL] Historical Release Bola 7 Fed 2

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

Good Morning Ramona,
I hope my email finds you well. I am attempting to research for a historical open incident for this site, and have found no "open" incidents or environmental orders. The API number is 30-25-35381. Could you please send me what you have on record for this site regarding any environmental "open" orders, spills, or incidents? Matador is contracting Talon to remediate-address any historical open incidents in order to get them closed. Any help that you could give me is greatly appreciated.

Best Regards,

Rebecca Pons
Environmental Project Manager
Office: 575.746.8768 x708
Direct: 575.616.4023
Cell: 575.441.0980
Fax: 575.746.8905
Emergency: 866.742.0742
Web: www.talonlpe.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NSAP0122604881
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Matador Resources	OGRID	228937
Contact Name	Clinton Talley	Contact Telephone	337-319-8398
Contact email	clinton.talley@matadorresources.com	Incident # *(assigned by OCD)*	NSAP0122604881
Contact mailing address	5347 N. 26th Street 2nd Floor, Artesia, NM 88210		

Location of Release Source

Latitude 32.7675133 Longitude -103.7993164
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	BOLA 7 FEDERAL #002	Site Type	Other
Date Release Discovered	8/14/2001	API# *(if applicable)*	30-025-35381

Unit Letter	Section	Township	Range	County
A	7	18S	32E	Lea

Surface Owner: ☐ State ☑ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☑ Crude Oil	Volume Released (bbls) 13 BBL	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 13BBL	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release POLISH LINER SLIPPED RESULTING IN APPROXIMATELY 26 BO LEAK.

State of New Mexico
Oil Conservation Division

Incident ID	NSAP0122604881
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 BBL
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.

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.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 4/20/2023

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

OCD Only

Received by: _____ Date: _____

Incident ID	NSAP0122604881
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	84 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NSAP0122604881
District RP	
Facility ID	
Application ID	

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.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 4/20/2023

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

OCD Only

Received by: Jocelyn harimon Date: 04/20/2023

Incident ID	NSAP0122604881
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	NSAP0122604881
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 4/20/2023

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 07/05/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

From: Hamlet, Robert, EMNRD
To: Chad Hensley
Subject: RE: [EXTERNAL] Bola 7 Fed #3
Date: Monday, April 10, 2023 3:15:28 PM
Attachments: image002.png

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Chad,

Two business days' notice should be given to the OCD to conduct confirmation samples. In the future please make sure the OCD is notified of any changes in schedule.

Regards,

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

From: Chad Hensley <chensley@talonlpe.com>
Sent: Monday, April 10, 2023 3:04 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: [EXTERNAL] Bola 7 Fed #3

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

Rob,

I forgot to send an e-mail out for the confirmation samples I was taking on the Bola. Its just 3 samples. Can I get a forgiveness on it? I am a good boy I swear!

Chad Hensley
Environmental Project Manager
Office: 575.746.8768 x708
Direct: 575.616.4023
Cell: 575.246.0032
Fax: 575.746.8905
Emergency: 866.742.0742
Web: **www.talonlpe.com**

At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.

Appendix IV

Photographic Documentation

Hydra-Vac Remediation I Bola 7 Federal # 2
Eddy County, New Mexico

Photograph No.1 **Description:** Bola 7 Fed 2	Hydra-Vac remediation around wellhead removing contaminated soil.

Photograph No.2 **Description:** Bola 7 Fed 2	Hydra-Vac remediation around wellhead removing contaminated soil.

Photograph No.3 **Description:** Bola 7 Fed 2	Hydra-Vac remediation around wellhead removing contaminated soil. Full excavation.

Photograph No.4 **Description:** Bola 7 Fed 2	Hydra-Vac remediation around wellhead removing contaminated soil. Full excavation.

Photograph No.5 **Description:** Bola 7 Fed 2	Contamination around wellhead.

Appendix V

Laboratory Reports

CARDINAL Laboratories

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

April 12, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BOLA 7 FED #2

Enclosed are the results of analyses for samples received by the laboratory on 04/06/23 11:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	04/06/2023	Sampling Date:	04/06/2023
Reported:	04/12/2023	Sampling Type:	Soil
Project Name:	BOLA 7 FED #2	Sampling Condition:	** (See Notes)
Project Number:	702520.054.01	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: WS - 1 (H231615-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	2.02	101	2.00	0.0965	
Toluene*	<0.050	0.050	04/11/2023	ND	2.09	105	2.00	0.402	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	2.06	103	2.00	0.512	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.46	108	6.00	0.742	
Total BTEX	<0.300	0.300	04/11/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	04/11/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	169	84.7	200	4.43	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	186	93.1	200	5.46	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	04/06/2023	Sampling Date:	04/06/2023
Reported:	04/12/2023	Sampling Type:	Soil
Project Name:	BOLA 7 FED #2	Sampling Condition:	** (See Notes)
Project Number:	702520.054.01	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BS - 1 (H231615-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	2.02	101	2.00	0.0965	
Toluene*	<0.050	0.050	04/11/2023	ND	2.09	105	2.00	0.402	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	2.06	103	2.00	0.512	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.46	108	6.00	0.742	
Total BTEX	<0.300	0.300	04/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	04/11/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	169	84.7	200	4.43	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	186	93.1	200	5.46	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane *89.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	04/06/2023	Sampling Date:	04/06/2023
Reported:	04/12/2023	Sampling Type:	Soil
Project Name:	BOLA 7 FED #2	Sampling Condition:	** (See Notes)
Project Number:	702520.054.01	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 1 (H231615-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	2.02	101	2.00	0.0965	
Toluene*	<0.050	0.050	04/11/2023	ND	2.09	105	2.00	0.402	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	2.06	103	2.00	0.512	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.46	108	6.00	0.742	
Total BTEX	<0.300	0.300	04/11/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	04/11/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	169	84.7	200	4.43	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	186	93.1	200	5.46	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane *91.6 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Talon LPE
Project Manager:	C. Hensley
Address:	408 W Texas Ave
City:	Artesia State: NM Zip: 88210
Phone #:	5757468768 Fax #:
Project #:	702520.054.01 Project Owner: Matador
Project Name:	Bola 7 fed #2
Project Location:	
Sampler Name:	N. Rose

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CL	BTEX	TPH
H23116151	WS-1					✓							4-6-23	11:00	✓	✓	✓
2	BS-1					✓								11:10	✓	✓	✓
3	ES-1					✓								11:15	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 4-6-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 11:24		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 14.4	Sample Condition: Cool ☐ Yes ☑ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 13.8			Thermometer ID #113 Correction Factor -0.6°C

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

FORM-006 R 3.3 07/18/22

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 3/28/2023 10:28:13 AM

JOB DESCRIPTION

Bola 7 Fed #2
SDG NUMBER Eddy County NM

JOB NUMBER

890-4375-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
3/28/2023 10:28:13 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Laboratory Job ID: 890-4375-1
SDG: Eddy County NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Job ID: 890-4375-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4375-1

Receipt
The samples were received on 3/21/2023 12:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 21.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (890-4375-1), S-1 (890-4375-2), S-1 (890-4375-3), S-2 (890-4375-4), S-2 (890-4375-5), S-2 (890-4375-6), S-3 (890-4375-7), S-3 (890-4375-8) and S-3 (890-4375-9).

The following samples were received at the laboratory outside the required temperature criteria: S-1 (890-4375-1), S-1 (890-4375-2), S-1 (890-4375-3), S-2 (890-4375-4), S-2 (890-4375-5), S-2 (890-4375-6), S-3 (890-4375-7), S-3 (890-4375-8) and S-3 (890-4375-9). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-4375-A-1-A MS). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-1

Date Collected: 03/21/23 07:57
Date Received: 03/21/23 12:01
Sample Depth: 1

Lab Sample ID: 890-4375-1

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U *+ *1	0.00198	0.000381	mg/Kg		03/22/23 13:25	03/25/23 15:05	1
Toluene	<0.000451	U *+ *1	0.00198	0.000451	mg/Kg		03/22/23 13:25	03/25/23 15:05	1
Ethylbenzene	<0.000559	U *+ *1	0.00198	0.000559	mg/Kg		03/22/23 13:25	03/25/23 15:05	1
m-Xylene & p-Xylene	<0.00100	U *+ *1	0.00396	0.00100	mg/Kg		03/22/23 13:25	03/25/23 15:05	1
o-Xylene	<0.000341	U *+ *1	0.00198	0.000341	mg/Kg		03/22/23 13:25	03/25/23 15:05	1
Xylenes, Total	<0.00100	U *+ *1	0.00396	0.00100	mg/Kg		03/22/23 13:25	03/25/23 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/22/23 13:25*	*03/25/23 15:05*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/22/23 13:25*	*03/25/23 15:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**64.7**		49.9	15.0	mg/Kg			03/28/23 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**23.9**	**J**	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 21:06	1
Diesel Range Organics (Over C10-C28)	**40.8**	**J**	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 21:06	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/27/23 12:51*	*03/27/23 21:06*	*1*
o-Terphenyl	*118*		*70 - 130*	*03/27/23 12:51*	*03/27/23 21:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**189**		5.02	0.397	mg/Kg			03/24/23 03:04	1

Client Sample ID: S-1

Date Collected: 03/21/23 08:02
Date Received: 03/21/23 12:01
Sample Depth: 3

Lab Sample ID: 890-4375-2

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U *+ *1	0.00199	0.000383	mg/Kg		03/22/23 13:25	03/25/23 15:26	1
Toluene	<0.000453	U *+ *1	0.00199	0.000453	mg/Kg		03/22/23 13:25	03/25/23 15:26	1
Ethylbenzene	<0.000562	U *+ *1	0.00199	0.000562	mg/Kg		03/22/23 13:25	03/25/23 15:26	1
m-Xylene & p-Xylene	<0.00100	U *+ *1	0.00398	0.00100	mg/Kg		03/22/23 13:25	03/25/23 15:26	1
o-Xylene	**0.000645**	**J *+ *1**	0.00199	0.000342	mg/Kg		03/22/23 13:25	03/25/23 15:26	1
Xylenes, Total	<0.00100	U *+ *1	0.00398	0.00100	mg/Kg		03/22/23 13:25	03/25/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/22/23 13:25*	*03/25/23 15:26*	*1*

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Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-1

Date Collected: 03/21/23 08:02
Date Received: 03/21/23 12:01
Sample Depth: 3

Lab Sample ID: 890-4375-2

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*03/22/23 13:25*	*03/25/23 15:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.1**		49.9	15.0	mg/Kg			03/28/23 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.5**	**J**	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 22:10	1
Diesel Range Organics (Over C10-C28)	**23.6**	**J**	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 22:10	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/27/23 12:51*	*03/27/23 22:10*	*1*
o-Terphenyl	*114*		*70 - 130*	*03/27/23 12:51*	*03/27/23 22:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**228**		5.05	0.399	mg/Kg			03/24/23 03:18	1

Client Sample ID: S-1

Date Collected: 03/21/23 08:09
Date Received: 03/21/23 12:01
Sample Depth: 4

Lab Sample ID: 890-4375-3

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U *+ *1	0.00200	0.000384	mg/Kg		03/22/23 13:25	03/25/23 15:46	1
Toluene	<0.000455	U *+ *1	0.00200	0.000455	mg/Kg		03/22/23 13:25	03/25/23 15:46	1
Ethylbenzene	<0.000564	U *+ *1	0.00200	0.000564	mg/Kg		03/22/23 13:25	03/25/23 15:46	1
m-Xylene & p-Xylene	<0.00101	U *+ *1	0.00399	0.00101	mg/Kg		03/22/23 13:25	03/25/23 15:46	1
o-Xylene	**0.000433**	**J *+ *1**	0.00200	0.000343	mg/Kg		03/22/23 13:25	03/25/23 15:46	1
Xylenes, Total	<0.00101	U *+ *1	0.00399	0.00101	mg/Kg		03/22/23 13:25	03/25/23 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/22/23 13:25*	*03/25/23 15:46*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*03/22/23 13:25*	*03/25/23 15:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**31.4**	**J**	50.0	15.0	mg/Kg			03/28/23 11:17	1

Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-1

Lab Sample ID: 890-4375-3
Matrix: Solid
Date Collected: 03/21/23 08:09
Date Received: 03/21/23 12:01
Sample Depth: 4

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**31.4**	**J**	50.0	15.0	mg/Kg		03/27/23 12:51	03/27/23 22:31	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/27/23 12:51	03/27/23 22:31	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/27/23 12:51	03/27/23 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/27/23 12:51*	*03/27/23 22:31*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/27/23 12:51*	*03/27/23 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**219**		4.98	0.393	mg/Kg			03/24/23 03:23	1

Client Sample ID: S-2

Lab Sample ID: 890-4375-4
Matrix: Solid
Date Collected: 03/21/23 08:13
Date Received: 03/21/23 12:01
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U *+ *1	0.00201	0.000387	mg/Kg		03/22/23 13:25	03/25/23 16:07	1
Toluene	<0.000459	U *+ *1	0.00201	0.000459	mg/Kg		03/22/23 13:25	03/25/23 16:07	1
Ethylbenzene	<0.000568	U *+ *1	0.00201	0.000568	mg/Kg		03/22/23 13:25	03/25/23 16:07	1
m-Xylene & p-Xylene	<0.00102	U *+ *1	0.00402	0.00102	mg/Kg		03/22/23 13:25	03/25/23 16:07	1
o-Xylene	<0.000346	U *+ *1	0.00201	0.000346	mg/Kg		03/22/23 13:25	03/25/23 16:07	1
Xylenes, Total	<0.00102	U *+ *1	0.00402	0.00102	mg/Kg		03/22/23 13:25	03/25/23 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/22/23 13:25*	*03/25/23 16:07*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*03/22/23 13:25*	*03/25/23 16:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**82.1**		49.8	14.9	mg/Kg			03/28/23 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg		03/27/23 12:51	03/27/23 22:52	1
Diesel Range Organics (Over C10-C28)	**82.1**		49.8	14.9	mg/Kg		03/27/23 12:51	03/27/23 22:52	1
OII Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/27/23 12:51	03/27/23 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*03/27/23 12:51*	*03/27/23 22:52*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/27/23 12:51*	*03/27/23 22:52*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-2

Lab Sample ID: 890-4375-4
Matrix: Solid
Date Collected: 03/21/23 08:13
Date Received: 03/21/23 12:01
Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2220**		25.3	1.99	mg/Kg			03/24/23 03:28	5

Client Sample ID: S-2

Lab Sample ID: 890-4375-5
Matrix: Solid
Date Collected: 03/21/23 08:19
Date Received: 03/21/23 12:01
Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U *+ *1	0.00202	0.000389	mg/Kg		03/22/23 13:25	03/25/23 16:27	1
Toluene	<0.000461	U *+ *1	0.00202	0.000461	mg/Kg		03/22/23 13:25	03/25/23 16:27	1
Ethylbenzene	<0.000571	U *+ *1	0.00202	0.000571	mg/Kg		03/22/23 13:25	03/25/23 16:27	1
m-Xylene & p-Xylene	<0.00102	U *+ *1	0.00404	0.00102	mg/Kg		03/22/23 13:25	03/25/23 16:27	1
o-Xylene	**0.000534**	**J *+ *1**	0.00202	0.000347	mg/Kg		03/22/23 13:25	03/25/23 16:27	1
Xylenes, Total	<0.00102	U *+ *1	0.00404	0.00102	mg/Kg		03/22/23 13:25	03/25/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/22/23 13:25*	*03/25/23 16:27*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*03/22/23 13:25*	*03/25/23 16:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**100**		49.9	15.0	mg/Kg			03/28/23 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 23:13	1
Diesel Range Organics (Over C10-C28)	**84.0**		49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 23:13	1
Oil Range Organics (Over C28-C36)	**16.3**	**J**	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*03/27/23 12:51*	*03/27/23 23:13*	*1*
o-Terphenyl	*123*		*70 - 130*	*03/27/23 12:51*	*03/27/23 23:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1490**		25.1	1.98	mg/Kg			03/24/23 03:33	5

Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-2

Lab Sample ID: 890-4375-6
Matrix: Solid
Date Collected: 03/21/23 08:25
Date Received: 03/21/23 12:01
Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U *+ *1	0.00198	0.000381	mg/Kg		03/22/23 13:25	03/25/23 16:48	1
Toluene	<0.000451	U *+ *1	0.00198	0.000451	mg/Kg		03/22/23 13:25	03/25/23 16:48	1
Ethylbenzene	<0.000559	U *+ *1	0.00198	0.000559	mg/Kg		03/22/23 13:25	03/25/23 16:48	1
m-Xylene & p-Xylene	<0.00100	U *+ *1	0.00396	0.00100	mg/Kg		03/22/23 13:25	03/25/23 16:48	1
o-Xylene	<0.000341	U *+ *1	0.00198	0.000341	mg/Kg		03/22/23 13:25	03/25/23 16:48	1
Xylenes, Total	<0.00100	U *+ *1	0.00396	0.00100	mg/Kg		03/22/23 13:25	03/25/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/22/23 13:25*	*03/25/23 16:48*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/22/23 13:25*	*03/25/23 16:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**40.2**	**J**	49.8	14.9	mg/Kg			03/28/23 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**22.9**	**J**	49.8	14.9	mg/Kg		03/27/23 12:51	03/27/23 23:34	1
Diesel Range Organics (Over C10-C28)	**17.3**	**J**	49.8	14.9	mg/Kg		03/27/23 12:51	03/27/23 23:34	1
OII Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/27/23 12:51	03/27/23 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/27/23 12:51*	*03/27/23 23:34*	*1*
o-Terphenyl	*118*		*70 - 130*	*03/27/23 12:51*	*03/27/23 23:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**275**		5.03	0.397	mg/Kg			03/24/23 03:47	1

Client Sample ID: S-3

Lab Sample ID: 890-4375-7
Matrix: Solid
Date Collected: 03/21/23 08:31
Date Received: 03/21/23 12:01
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U *+ *1	0.00199	0.000383	mg/Kg		03/22/23 13:25	03/25/23 17:08	1
Toluene	<0.000454	U *+ *1	0.00199	0.000454	mg/Kg		03/22/23 13:25	03/25/23 17:08	1
Ethylbenzene	<0.000563	U *+ *1	0.00199	0.000563	mg/Kg		03/22/23 13:25	03/25/23 17:08	1
m-Xylene & p-Xylene	<0.00101	U *+ *1	0.00398	0.00101	mg/Kg		03/22/23 13:25	03/25/23 17:08	1
o-Xylene	<0.000343	U *+ *1	0.00199	0.000343	mg/Kg		03/22/23 13:25	03/25/23 17:08	1
Xylenes, Total	<0.00101	U *+ *1	0.00398	0.00101	mg/Kg		03/22/23 13:25	03/25/23 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/22/23 13:25*	*03/25/23 17:08*	*1*

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Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-3

Lab Sample ID: 890-4375-7
Matrix: Solid
Date Collected: 03/21/23 08:31
Date Received: 03/21/23 12:01
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/22/23 13:25*	*03/25/23 17:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.0**		49.9	15.0	mg/Kg			03/28/23 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.6**	**J**	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 23:56	1
Diesel Range Organics (Over C10-C28)	**25.4**	**J**	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 23:56	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/27/23 12:51	03/27/23 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/27/23 12:51*	*03/27/23 23:56*	*1*
o-Terphenyl	*115*		*70 - 130*	*03/27/23 12:51*	*03/27/23 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.83**	**J**	4.96	0.392	mg/Kg			03/24/23 03:52	1

Client Sample ID: S-3

Lab Sample ID: 890-4375-8
Matrix: Solid
Date Collected: 03/21/23 08:36
Date Received: 03/21/23 12:01
Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U *+ *1	0.00199	0.000383	mg/Kg		03/22/23 13:25	03/25/23 17:29	1
Toluene	<0.000453	U *+ *1	0.00199	0.000453	mg/Kg		03/22/23 13:25	03/25/23 17:29	1
Ethylbenzene	<0.000562	U *+ *1	0.00199	0.000562	mg/Kg		03/22/23 13:25	03/25/23 17:29	1
m-Xylene & p-Xylene	<0.00100	U *+ *1	0.00398	0.00100	mg/Kg		03/22/23 13:25	03/25/23 17:29	1
o-Xylene	<0.000342	U *+ *1	0.00199	0.000342	mg/Kg		03/22/23 13:25	03/25/23 17:29	1
Xylenes, Total	<0.00100	U *+ *1	0.00398	0.00100	mg/Kg		03/22/23 13:25	03/25/23 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*03/22/23 13:25*	*03/25/23 17:29*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/22/23 13:25*	*03/25/23 17:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**39.0**	**J**	49.9	15.0	mg/Kg			03/28/23 11:17	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-3

Lab Sample ID: 890-4375-8
Matrix: Solid
Date Collected: 03/21/23 08:36
Date Received: 03/21/23 12:01
Sample Depth: 3

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.9	J	49.9	15.0	mg/Kg		03/27/23 12:51	03/28/23 00:18	1
Diesel Range Organics (Over C10-C28)	15.1	J	49.9	15.0	mg/Kg		03/27/23 12:51	03/28/23 00:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/27/23 12:51	03/28/23 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*03/27/23 12:51*	*03/28/23 00:18*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/27/23 12:51*	*03/28/23 00:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.49	J	4.95	0.391	mg/Kg			03/24/23 03:57	1

Client Sample ID: S-3

Lab Sample ID: 890-4375-9
Matrix: Solid
Date Collected: 03/21/23 08:39
Date Received: 03/21/23 12:01
Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U *+ *1	0.00200	0.000384	mg/Kg		03/22/23 13:25	03/25/23 17:49	1
Toluene	<0.000455	U *+ *1	0.00200	0.000455	mg/Kg		03/22/23 13:25	03/25/23 17:49	1
Ethylbenzene	<0.000564	U *+ *1	0.00200	0.000564	mg/Kg		03/22/23 13:25	03/25/23 17:49	1
m-Xylene & p-Xylene	<0.00101	U *+ *1	0.00399	0.00101	mg/Kg		03/22/23 13:25	03/25/23 17:49	1
o-Xylene	<0.000343	U *+ *1	0.00200	0.000343	mg/Kg		03/22/23 13:25	03/25/23 17:49	1
Xylenes, Total	<0.00101	U *+ *1	0.00399	0.00101	mg/Kg		03/22/23 13:25	03/25/23 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*03/22/23 13:25*	*03/25/23 17:49*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/22/23 13:25*	*03/25/23 17:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/26/23 08:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.0		50.0	15.0	mg/Kg			03/28/23 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.5	J	50.0	15.0	mg/Kg		03/27/23 12:51	03/28/23 00:39	1
Diesel Range Organics (Over C10-C28)	35.5	J	50.0	15.0	mg/Kg		03/27/23 12:51	03/28/23 00:39	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/27/23 12:51	03/28/23 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*03/27/23 12:51*	*03/28/23 00:39*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/27/23 12:51*	*03/28/23 00:39*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-3
Date Collected: 03/21/23 08:39
Date Received: 03/21/23 12:01
Sample Depth: 4

Lab Sample ID: 890-4375-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.32	J	5.04	0.398	mg/Kg			03/24/23 04:02	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-4375-1	S-1	99	91
890-4375-1 MS	S-1	52 S1-	107
890-4375-1 MSD	S-1	113	108
890-4375-2	S-1	109	83
890-4375-3	S-1	105	83
890-4375-4	S-2	111	86
890-4375-5	S-2	104	86
890-4375-6	S-2	105	88
890-4375-7	S-3	105	89
890-4375-8	S-3	85	98
890-4375-9	S-3	87	99
LCS 880-49217/1-A	Lab Control Sample	112	106
MB 880-49025/5-A	Method Blank	76	78
MB 880-49217/5-A	Method Blank	84	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-4375-1	S-1	109	118
890-4375-1 MS	S-1	105	100
890-4375-1 MSD	S-1	106	101
890-4375-2	S-1	106	114
890-4375-3	S-1	109	120
890-4375-4	S-2	108	120
890-4375-5	S-2	112	123
890-4375-6	S-2	109	118
890-4375-7	S-3	106	115
890-4375-8	S-3	111	119
890-4375-9	S-3	108	116
LCS 880-49630/2-A	Lab Control Sample	114	125
LCSD 880-49630/3-A	Lab Control Sample Dup	107	118
MB 880-49630/1-A	Method Blank	112	125

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49025/5-A
Matrix: Solid
Analysis Batch: 49405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49025

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/20/23 14:56	03/25/23 03:42	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/20/23 14:56	03/25/23 03:42	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/20/23 14:56	03/25/23 03:42	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/20/23 14:56	03/25/23 03:42	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/20/23 14:56	03/25/23 03:42	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/20/23 14:56	03/25/23 03:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*03/20/23 14:56*	*03/25/23 03:42*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*03/20/23 14:56*	*03/25/23 03:42*	*1*

Lab Sample ID: MB 880-49217/5-A
Matrix: Solid
Analysis Batch: 49405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/22/23 13:25	03/25/23 14:44	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/22/23 13:25	03/25/23 14:44	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/22/23 13:25	03/25/23 14:44	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/22/23 13:25	03/25/23 14:44	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/22/23 13:25	03/25/23 14:44	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/22/23 13:25	03/25/23 14:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*03/22/23 13:25*	*03/25/23 14:44*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/22/23 13:25*	*03/25/23 14:44*	*1*

Lab Sample ID: LCS 880-49217/1-A
Matrix: Solid
Analysis Batch: 49405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09425		mg/Kg		94	70 - 130
Toluene	0.100	0.09427		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09713		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1385	*+	mg/Kg		138	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-4375-1 MS
Matrix: Solid
Analysis Batch: 49405

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 49217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000381	U *+ *1	0.0998	0.08994		mg/Kg		90	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-4375-1 MS
Matrix: Solid
Analysis Batch: 49405

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 49217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.000451	U *+ *1	0.0998	0.08380		mg/Kg		84	70 - 130
Ethylbenzene	<0.000559	U *+ *1	0.0998	0.07975		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00100	U *+ *1	0.200	0.1711		mg/Kg		86	70 - 130
o-Xylene	<0.000341	U *+ *1	0.0998	0.09393		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*52*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-4375-1 MSD
Matrix: Solid
Analysis Batch: 49405

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 49217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000381	U *+ *1	0.100	0.09078		mg/Kg		90	70 - 130	1	35
Toluene	<0.000451	U *+ *1	0.100	0.08342		mg/Kg		83	70 - 130	0	35
Ethylbenzene	<0.000559	U *+ *1	0.100	0.08171		mg/Kg		81	70 - 130	2	35
m-Xylene & p-Xylene	<0.00100	U *+ *1	0.201	0.1754		mg/Kg		87	70 - 130	2	35
o-Xylene	<0.000341	U *+ *1	0.100	0.09620		mg/Kg		96	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-49630/1-A
Matrix: Solid
Analysis Batch: 49555

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/27/23 12:51	03/27/23 20:02	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/27/23 12:51	03/27/23 20:02	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/27/23 12:51	03/27/23 20:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*03/27/23 12:51*	*03/27/23 20:02*	*1*
o-Terphenyl	*125*		*70 - 130*	*03/27/23 12:51*	*03/27/23 20:02*	*1*

Lab Sample ID: LCS 880-49630/2-A
Matrix: Solid
Analysis Batch: 49555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.2		mg/Kg		99	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-49630/2-A
Matrix: Solid
Analysis Batch: 49555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49630

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	915.2		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: LCSD 880-49630/3-A
Matrix: Solid
Analysis Batch: 49555

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49630

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	877.9		mg/Kg		88	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	839.9		mg/Kg		84	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Lab Sample ID: 890-4375-1 MS
Matrix: Solid
Analysis Batch: 49555

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 49630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	23.9	J	998	933.3		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	40.8	J	998	1099		mg/Kg		106	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 890-4375-1 MSD
Matrix: Solid
Analysis Batch: 49555

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 49630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	23.9	J	997	953.0		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	40.8	J	997	1107		mg/Kg		107	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49276/1-A
Matrix: Solid
Analysis Batch: 49448

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			03/24/23 02:49	1

Lab Sample ID: LCS 880-49276/2-A
Matrix: Solid
Analysis Batch: 49448

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	271.4		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-49276/3-A
Matrix: Solid
Analysis Batch: 49448

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	271.9		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-4375-1 MS
Matrix: Solid
Analysis Batch: 49448

Client Sample ID: S-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	189		251	451.3		mg/Kg		104	90 - 110		

Lab Sample ID: 890-4375-1 MSD
Matrix: Solid
Analysis Batch: 49448

Client Sample ID: S-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	189		251	451.2		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

GC VOA

Prep Batch: 49025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49025/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Total/NA	Solid	5035	
890-4375-2	S-1	Total/NA	Solid	5035	
890-4375-3	S-1	Total/NA	Solid	5035	
890-4375-4	S-2	Total/NA	Solid	5035	
890-4375-5	S-2	Total/NA	Solid	5035	
890-4375-6	S-2	Total/NA	Solid	5035	
890-4375-7	S-3	Total/NA	Solid	5035	
890-4375-8	S-3	Total/NA	Solid	5035	
890-4375-9	S-3	Total/NA	Solid	5035	
MB 880-49217/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49217/1-A	Lab Control Sample	Total/NA	Solid	5035	
890-4375-1 MS	S-1	Total/NA	Solid	5035	
890-4375-1 MSD	S-1	Total/NA	Solid	5035	

Analysis Batch: 49405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Total/NA	Solid	8021B	49217
890-4375-2	S-1	Total/NA	Solid	8021B	49217
890-4375-3	S-1	Total/NA	Solid	8021B	49217
890-4375-4	S-2	Total/NA	Solid	8021B	49217
890-4375-5	S-2	Total/NA	Solid	8021B	49217
890-4375-6	S-2	Total/NA	Solid	8021B	49217
890-4375-7	S-3	Total/NA	Solid	8021B	49217
890-4375-8	S-3	Total/NA	Solid	8021B	49217
890-4375-9	S-3	Total/NA	Solid	8021B	49217
MB 880-49025/5-A	Method Blank	Total/NA	Solid	8021B	49025
MB 880-49217/5-A	Method Blank	Total/NA	Solid	8021B	49217
LCS 880-49217/1-A	Lab Control Sample	Total/NA	Solid	8021B	49217
890-4375-1 MS	S-1	Total/NA	Solid	8021B	49217
890-4375-1 MSD	S-1	Total/NA	Solid	8021B	49217

Analysis Batch: 49522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Total/NA	Solid	Total BTEX	
890-4375-2	S-1	Total/NA	Solid	Total BTEX	
890-4375-3	S-1	Total/NA	Solid	Total BTEX	
890-4375-4	S-2	Total/NA	Solid	Total BTEX	
890-4375-5	S-2	Total/NA	Solid	Total BTEX	
890-4375-6	S-2	Total/NA	Solid	Total BTEX	
890-4375-7	S-3	Total/NA	Solid	Total BTEX	
890-4375-8	S-3	Total/NA	Solid	Total BTEX	
890-4375-9	S-3	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 49555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Total/NA	Solid	8015B NM	49630
890-4375-2	S-1	Total/NA	Solid	8015B NM	49630
890-4375-3	S-1	Total/NA	Solid	8015B NM	49630
890-4375-4	S-2	Total/NA	Solid	8015B NM	49630
890-4375-5	S-2	Total/NA	Solid	8015B NM	49630
890-4375-6	S-2	Total/NA	Solid	8015B NM	49630
890-4375-7	S-3	Total/NA	Solid	8015B NM	49630
890-4375-8	S-3	Total/NA	Solid	8015B NM	49630
890-4375-9	S-3	Total/NA	Solid	8015B NM	49630
MB 880-49630/1-A	Method Blank	Total/NA	Solid	8015B NM	49630
LCS 880-49630/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49630
LCSD 880-49630/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49630
890-4375-1 MS	S-1	Total/NA	Solid	8015B NM	49630
890-4375-1 MSD	S-1	Total/NA	Solid	8015B NM	49630

Prep Batch: 49630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Total/NA	Solid	8015NM Prep	
890-4375-2	S-1	Total/NA	Solid	8015NM Prep	
890-4375-3	S-1	Total/NA	Solid	8015NM Prep	
890-4375-4	S-2	Total/NA	Solid	8015NM Prep	
890-4375-5	S-2	Total/NA	Solid	8015NM Prep	
890-4375-6	S-2	Total/NA	Solid	8015NM Prep	
890-4375-7	S-3	Total/NA	Solid	8015NM Prep	
890-4375-8	S-3	Total/NA	Solid	8015NM Prep	
890-4375-9	S-3	Total/NA	Solid	8015NM Prep	
MB 880-49630/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49630/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49630/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4375-1 MS	S-1	Total/NA	Solid	8015NM Prep	
890-4375-1 MSD	S-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Total/NA	Solid	8015 NM	
890-4375-2	S-1	Total/NA	Solid	8015 NM	
890-4375-3	S-1	Total/NA	Solid	8015 NM	
890-4375-4	S-2	Total/NA	Solid	8015 NM	
890-4375-5	S-2	Total/NA	Solid	8015 NM	
890-4375-6	S-2	Total/NA	Solid	8015 NM	
890-4375-7	S-3	Total/NA	Solid	8015 NM	
890-4375-8	S-3	Total/NA	Solid	8015 NM	
890-4375-9	S-3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 49276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Soluble	Solid	DI Leach	
890-4375-2	S-1	Soluble	Solid	DI Leach	
890-4375-3	S-1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 49276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-4	S-2	Soluble	Solid	DI Leach	
890-4375-5	S-2	Soluble	Solid	DI Leach	
890-4375-6	S-2	Soluble	Solid	DI Leach	
890-4375-7	S-3	Soluble	Solid	DI Leach	
890-4375-8	S-3	Soluble	Solid	DI Leach	
890-4375-9	S-3	Soluble	Solid	DI Leach	
MB 880-49276/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49276/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49276/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4375-1 MS	S-1	Soluble	Solid	DI Leach	
890-4375-1 MSD	S-1	Soluble	Solid	DI Leach	

Analysis Batch: 49448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4375-1	S-1	Soluble	Solid	300.0	49276
890-4375-2	S-1	Soluble	Solid	300.0	49276
890-4375-3	S-1	Soluble	Solid	300.0	49276
890-4375-4	S-2	Soluble	Solid	300.0	49276
890-4375-5	S-2	Soluble	Solid	300.0	49276
890-4375-6	S-2	Soluble	Solid	300.0	49276
890-4375-7	S-3	Soluble	Solid	300.0	49276
890-4375-8	S-3	Soluble	Solid	300.0	49276
890-4375-9	S-3	Soluble	Solid	300.0	49276
MB 880-49276/1-A	Method Blank	Soluble	Solid	300.0	49276
LCS 880-49276/2-A	Lab Control Sample	Soluble	Solid	300.0	49276
LCSD 880-49276/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49276
890-4375-1 MS	S-1	Soluble	Solid	300.0	49276
890-4375-1 MSD	S-1	Soluble	Solid	300.0	49276

Lab Chronicle

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-1

Date Collected: 03/21/23 07:57
Date Received: 03/21/23 12:01

Lab Sample ID: 890-4375-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/27/23 21:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49448	03/24/23 03:04	SMC	EET MID

Client Sample ID: S-1

Date Collected: 03/21/23 08:02
Date Received: 03/21/23 12:01

Lab Sample ID: 890-4375-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 15:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/27/23 22:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49448	03/24/23 03:18	SMC	EET MID

Client Sample ID: S-1

Date Collected: 03/21/23 08:09
Date Received: 03/21/23 12:01

Lab Sample ID: 890-4375-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 15:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/27/23 22:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49448	03/24/23 03:23	SMC	EET MID

Client Sample ID: S-2

Date Collected: 03/21/23 08:13
Date Received: 03/21/23 12:01

Lab Sample ID: 890-4375-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 16:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-2

Lab Sample ID: 890-4375-4
Matrix: Solid
Date Collected: 03/21/23 08:13
Date Received: 03/21/23 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/27/23 22:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49448	03/24/23 03:28	SMC	EET MID

Client Sample ID: S-2

Lab Sample ID: 890-4375-5
Matrix: Solid
Date Collected: 03/21/23 08:19
Date Received: 03/21/23 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/27/23 23:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49448	03/24/23 03:33	SMC	EET MID

Client Sample ID: S-2

Lab Sample ID: 890-4375-6
Matrix: Solid
Date Collected: 03/21/23 08:25
Date Received: 03/21/23 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 16:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/27/23 23:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49448	03/24/23 03:47	SMC	EET MID

Client Sample ID: S-3

Lab Sample ID: 890-4375-7
Matrix: Solid
Date Collected: 03/21/23 08:31
Date Received: 03/21/23 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 17:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/27/23 23:56	SM	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Client Sample ID: S-3

Lab Sample ID: 890-4375-7
Matrix: Solid
Date Collected: 03/21/23 08:31
Date Received: 03/21/23 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49448	03/24/23 03:52	SMC	EET MID

Client Sample ID: S-3

Lab Sample ID: 890-4375-8
Matrix: Solid
Date Collected: 03/21/23 08:36
Date Received: 03/21/23 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 17:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/28/23 00:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49448	03/24/23 03:57	SMC	EET MID

Client Sample ID: S-3

Lab Sample ID: 890-4375-9
Matrix: Solid
Date Collected: 03/21/23 08:39
Date Received: 03/21/23 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49217	03/22/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 17:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49522	03/26/23 08:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49728	03/28/23 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	49630	03/27/23 12:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49555	03/28/23 00:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49276	03/22/23 22:27	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49448	03/24/23 04:02	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Bola 7 Fed #2

Job ID: 890-4375-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4375-1	S-1	Solid	03/21/23 07:57	03/21/23 12:01	1
890-4375-2	S-1	Solid	03/21/23 08:02	03/21/23 12:01	3
890-4375-3	S-1	Solid	03/21/23 08:09	03/21/23 12:01	4
890-4375-4	S-2	Solid	03/21/23 08:13	03/21/23 12:01	1
890-4375-5	S-2	Solid	03/21/23 08:19	03/21/23 12:01	3
890-4375-6	S-2	Solid	03/21/23 08:25	03/21/23 12:01	4
890-4375-7	S-3	Solid	03/21/23 08:31	03/21/23 12:01	1
890-4375-8	S-3	Solid	03/21/23 08:36	03/21/23 12:01	3
890-4375-9	S-3	Solid	03/21/23 08:39	03/21/23 12:01	4

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Chad Hensley	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	
Address:	408 W. Texas Ave.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	Chensley@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bola 7 Fed #2	Turn Around	
Project Number:	702520.054.01	☐ Routine ☑ Rush	
Project Location:	Eddy County, NM	Due Date:	3 Day 3/24/2023
Sampler's Name:	Chad Hensley	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	N/A		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Samples Received Intact:	(Yes) No	Thermometer ID:	TNMC07
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	21.2
Total Containers:		Corrected Temperature:	21.0

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

890-4375 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CL	BTEX	TPH	Sample Comments
S-1	Soil	3/21/2023	7:57	1	Grab/	1		x	X	X	
S-1	Soil	3/21/2023	8:02	3	Grab/	1		x	X	X	
S-1	Soil	3/21/2023	8:09	4	Grab/	1		x	X	X	
S-2	Soil	3/21/2023	8:13	1	Grab/	1		x	X	X	
S-2	Soil	3/21/2023	8:19	3	Grab/	1		x	X	X	
S-2	Soil	3/21/2023	8:25	4	Grab/	1		x	X	X	
S-3	Soil	3/21/2023	8:31	1	Grab/	1		x	X	X	
~~S-3~~	~~Soil~~	~~3/21/2023~~	~~8:36~~	~~3~~	~~Grab/~~	~~1~~		~~x~~	~~X~~	~~X~~	
S-3	Soil	3/21/2023	8:39	4	Grab/	1		x	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.21.23 1202	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4375-1
SDG Number: Eddy County NM

Login Number: 4375
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4375-1
SDG Number: Eddy County NM

Login Number: 4375
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/22/23 11:06 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

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

CONDITIONS

Action 209294

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 209294
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	7/5/2023