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TALON LPE

Closure Report

Young Deep Unit #13
Lea County, New Mexico
API ID # 30-025-28966
Incident # nTO1419153301

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

September 1, 2023

NMOCD
506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Young Deep Unit #13
Lea County, New Mexico
API # 30-025-28966
Incident # nTO1419153301

NMOCD,

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 Young Deep Unit #13 is located approximately 6 miles South of Maljamar, New Mexico. The legal location for this site is Unit Letter C, Section 09, Township 18 South and Range 32 East in Lea County, New Mexico. The latitude and longitude for the site are 32.7674408 and -103.7734909. Site Maps are 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 Kermit soils and Dune land, 0 to 12 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 Eolian and Piedmont deposits, Holocene to middle Pleistocene in age.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 0.69 miles from the site and is recorded at 65 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 Flood Map Service Center locates the site in a minimal flood hazard zone.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	**65 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 November 30, 2011, that needed to be addressed. The C-141 submitted to the NMOCD, incident number nTO1419153301, stated that a hole in the flow line released approximately 3 barrels (bbls) of oil with 0 bbls recovered. NMOCD e-permitting gave no indication of where release occurred in pasture. The site location map is presented in Appendix I.

Site Assessment

On January 26, 2023, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment. The site was photographed with an aerial drone to determine the location of the reported incident. Aerial images are presented in Appendix III.

Regulatory Response

On July 28, 20023, NMOCD rejected closure report for the following reason: This closure report is not approved. The requirements for closure per 19.15.29.12.E(1) NMAC were not met. Historic aerial imagery shows evidence of a release to the southwest of the production area. The OCD requires that this release be addressed and a closure report submitted to the OCD permitting portal no later than 10/26/2023

Remedial Actions

On August 3, 2023, based on the NMOCD response Talon mobilized personnel to the site to conduct an addition site assessment of the southwest area. The area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged, preserved, and transported to Cardinal laboratories with the chain of custody for analysis of Total Chlorides (Method SM4500Cl-B), TPH (EPA Method 8015M), and volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 1 (Appendix I) and the results of our sampling event are presented on the following data table.

Table 1
Intial Site Assessment

Young Deep 13									
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	8/3/23	1'	ND	ND	ND	ND	ND	0	32
	8/3/23	2'	ND	ND	ND	ND	ND	0	32
	8/3/23	3'	ND	ND	ND	ND	ND	0	32
	8/3/23	4'	ND	ND	ND	ND	ND	0	32
S-2	8/3/23	1'	ND	ND	ND	ND	ND	0	ND
	8/3/23	2'	ND	ND	ND	ND	ND	0	ND
	8/3/23	3'	ND	ND	ND	ND	ND	0	16
	8/3/23	4'	ND	ND	ND	ND	ND	0	32
S-3	8/3/23	1'	ND	ND	ND	ND	ND	0	16
	8/3/23	2'	ND	ND	ND	ND	ND	0	16
	8/3/23	3'	ND	ND	ND	ND	ND	0	32
	8/3/23	4'	ND	ND	ND	ND	ND	0	80
S-4	8/3/23	1'	ND	ND	ND	ND	ND	0	16
	8/3/23	2'	ND	ND	ND	ND	ND	0	64
	8/3/23	3'	ND	ND	ND	ND	ND	0	16
	8/3/23	4'	ND	ND	ND	ND	ND	0	32
S-5	8/3/23	1'	ND	ND	ND	ND	ND	0	32
	8/3/23	2'	ND	ND	ND	ND	ND	0	16
	8/3/23	3'	ND	ND	ND	ND	ND	0	16
	8/3/23	4'	ND	ND	ND	ND	ND	0	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

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

S	Sample
ND	Analyte Not Detected

Results

Sampling, observations, and aerial imaging from the site assessment, Talon could not find substantial evidence of the November 30, 2011 release and therefor concludes that impact area could not be located. Therefore no remedial actions were deemed necessary.

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 Photographic Documentation
Appendix IV C-141
Appendix V Lab Data

Appendix I

Site Maps

TALON LPE

Drafted: 3/10/2023
1 in = 50 ft
Drafted By: IJR

Matador Resources Company
Young Deep Unit #013
New Mexico
Figure 1 - Site Map

Matador Resources

Young Deep 13
Assessment Map
Lea COunty, NM

Legend

- Area of Concern
- Sample Point
- Young Deep 13

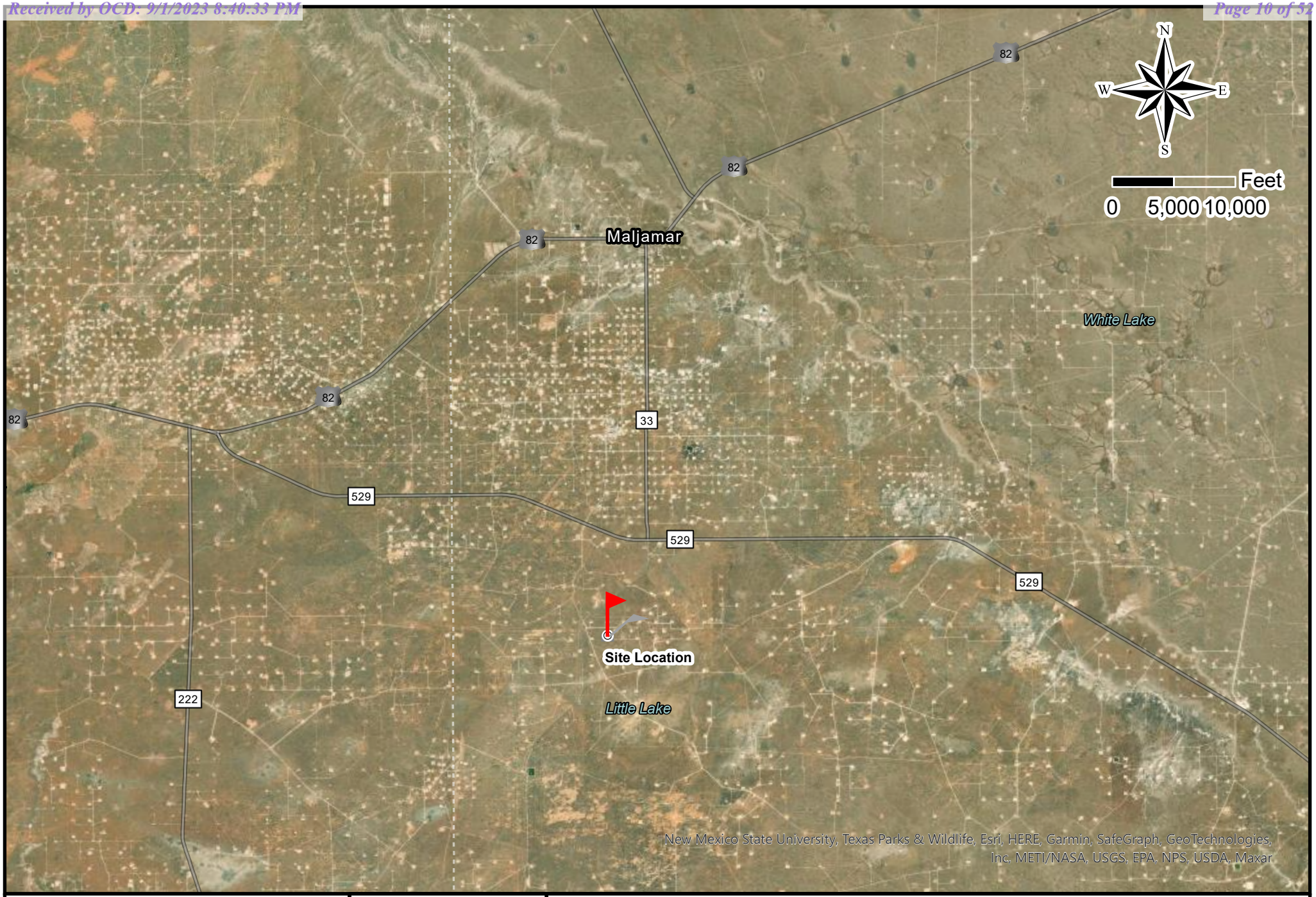
Young Deep 13

S-1
S-2
S-3
S-4
S-5

N

90 ft

Google Earth



TALON LPE

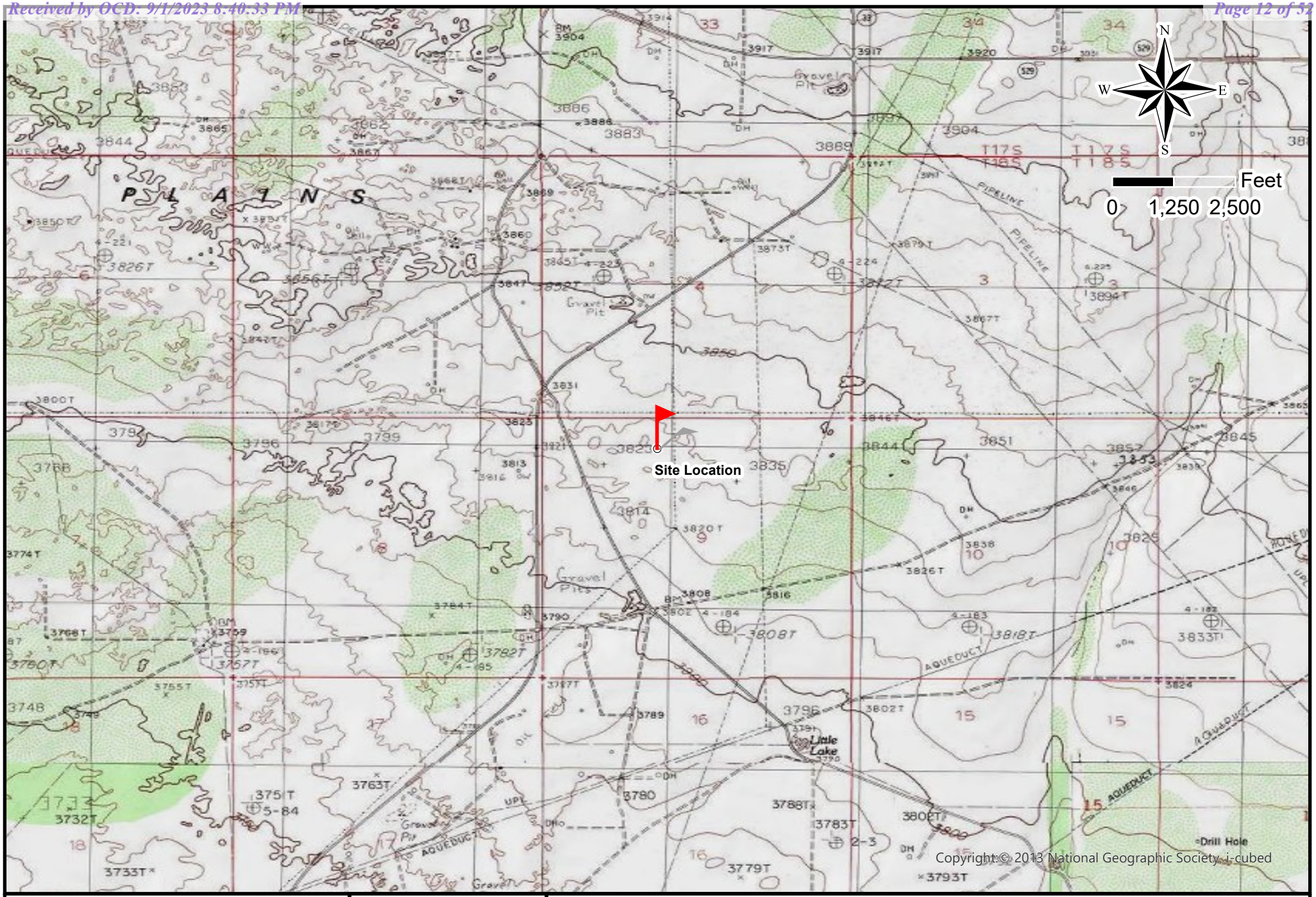
Drafted: 3/10/2023
1 in = 10,000 ft
Drafted By: IJR

Matador Resources Company
Young Deep Unit #013
New Mexico
Figure 2 - Site Location Map

TALON LPE

Drafted: 4/11/2023
1 in 100 ft
Drafted By: IJR

Matador Resources Company
Young Deep Unit #013
New Mexico
Figure 3 - Karst Map



TALON LPE

Drafted: 3/10/2023
1 in = 2,500 ft
Drafted By: IJR

Matador Resources Company
Young Deep Unit #013
New Mexico
Figure 4 - Topographic 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00814 POD1		CP	LE		2	2	08	18S	32E	614074	3626168*	801	480		
CP 00566 POD1		CP	LE	4	4	1	04	18S	32E	614960	3627280*	1112	133	65	68
CP 00672		CP	LE		4	4	07	18S	32E	612475	3624947*	2694	524	430	94
CP 00672 CLW475398	O	CP	LE		4	4	07	18S	32E	612475	3624947*	2694	540	460	80

Average Depth to Water: **318 feet**
Minimum Depth: **65 feet**
Maximum Depth: **460 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 614875 **Northing (Y):** 3626171 **Radius:** 3000

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

Custom Soil Resource Report
Soil Map

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

Description of Dune Land

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: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: fine sand
C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Palomas

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Pyote

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

National Flood Hazard Layer FIRMette

FEMA

103°46'43"W 32°46'18"N

103°46'6"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 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 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 1/31/2023 at 1:59 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.

Appendix lll

Photographic Documentation

Photograph No.1 Description:	South facing aerial image of site.

Photograph No.2 Description:	Northeast facing aerial image of site.

Appendix IV

C-141

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	NTO1419153301
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)*	NTO1419153301
Contact mailing address	5347 N. 26th Street 2nd Floor, Artesia, NM 88210		

Location of Release Source

Latitude 32.7674408 Longitude -103.7734909

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Young Deep Unit 13	Site Type	
Date Release Discovered	11/24/2011	API# *(if applicable)*	30-025-28996

Unit Letter	Section	Township	Range	County
C	9	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) 3bbl	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	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

Hole in flowline

State of New Mexico
Oil Conservation Division

Incident ID	NTO1419153301
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?
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: 9/1/2023

email: Clinton Talley Telephone: 337-319-8398

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NTO1419153301
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?	65 (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	NTO1419153301
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: 9/1/2023

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

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NTO1419153301
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: 9/1/2023

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

OCD Only

Received by: _____ Date: _____

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: _____ Date: _____

Printed Name: _____ Title: _____

Appendix V

Laboratory Reports

CARDINAL Laboratories

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

August 14, 2023

MATTHEW GOMEZ

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: YOUNG DEEP 13

Enclosed are the results of analyses for samples received by the laboratory on 08/08/23 14:10.

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
MATTHEW GOMEZ
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 1 1' (H234244-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.02	101	2.00	3.53	
Toluene*	<0.050	0.050	08/11/2023	ND	1.96	97.8	2.00	1.68	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	1.96	98.1	2.00	4.18	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.87	97.8	6.00	4.60	
Total BTEX	<0.300	0.300	08/11/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *68.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.9 %* *49.1-148*

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 1 2' (H234244-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.02	101	2.00	3.53	
Toluene*	<0.050	0.050	08/11/2023	ND	1.96	97.8	2.00	1.68	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	1.96	98.1	2.00	4.18	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.87	97.8	6.00	4.60	
Total BTEX	<0.300	0.300	08/11/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *79.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.0 %* *49.1-148*

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 1 3' (H234244-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.02	101	2.00	3.53	
Toluene*	<0.050	0.050	08/11/2023	ND	1.96	97.8	2.00	1.68	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	1.96	98.1	2.00	4.18	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.87	97.8	6.00	4.60	
Total BTEX	<0.300	0.300	08/11/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *79.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.2 %* *49.1-148*

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 1 4' (H234244-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.02	101	2.00	3.53	
Toluene*	<0.050	0.050	08/11/2023	ND	1.96	97.8	2.00	1.68	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	1.96	98.1	2.00	4.18	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.87	97.8	6.00	4.60	
Total BTEX	<0.300	0.300	08/11/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *79.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.3 %* *49.1-148*

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MATTHEW GOMEZ
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 2 1' (H234244-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *78.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.8 %* *49.1-148*

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 2 2' (H234244-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *77.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.4 %* *49.1-148*

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 2 3' (H234244-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *77.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.6 %* *49.1-148*

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 2 4' (H234244-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *67.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.3 %* *49.1-148*

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 3 1' (H234244-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	172	85.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	182	90.8	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *73.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.0 %* *49.1-148*

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Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 3 2' (H234244-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

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

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Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 3 3' (H234244-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.1 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *86.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *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
MATTHEW GOMEZ
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 3 4' (H234244-12)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *80.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 4 1' (H234244-13)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *90.6 %* *48.2-134*

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 4 2' (H234244-14)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *97.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 4 3' (H234244-15)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

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

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 4 4' (H234244-16)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.5 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *96.2 %* *48.2-134*

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

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Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 5 1' (H234244-17)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *90.2 %* *48.2-134*

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 5 2' (H234244-18)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

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

Surrogate: 1-Chlorooctadecane *99.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 5 3' (H234244-19)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	161	80.3	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	177	88.5	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

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

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/08/2023	Sampling Date:	08/03/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	YOUNG DEEP 13	Sampling Condition:	Cool & Intact
Project Number:	702520.046.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY COUNTY, NM		

Sample ID: S - 5 4' (H234244-20)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2023	ND	2.23	112	2.00	4.93	
Toluene*	<0.050	0.050	08/11/2023	ND	2.14	107	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.06	103	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.25	104	6.00	5.89	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/10/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2023	ND	167	83.6	200	2.47	
DRO >C10-C28*	<10.0	10.0	08/10/2023	ND	164	81.9	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	08/10/2023	ND					

Surrogate: 1-Chlorooctane *81.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE	**BILL TO**
Project Manager: M. Gomez	P.O. #:
Address: 408 W. Texas Ave	Company:
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575.746.8768 Fax #:	Address:
Project #: 702520.046.01 Project Owner: Matador	City:
Project Name: Young Deep 13	State: Zip:
Project Location: Eddy County, NM	Phone #:
Sampler Name: R. Pacheco	Fax #:

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	ANALYSIS REQUEST: CL	BTEX	TPH
H234244-1	S-1 1'	G	1			✓							8/3/23	8:31	✓	✓	✓
-2	S-1 2'	G	1			✓							8/3/23	8:33	✓	✓	✓
-3	S-1 3'	G	1			✓							8/3/23	8:35	✓	✓	✓
-4	S-1 4'	G	1			✓							8/3/23	8:37	✓	✓	✓
-5	S-2 1'	G	1			✓							8/3/23	8:42	✓	✓	✓
-6	S-2 2'	G	1			✓							8/3/23	8:45	✓	✓	✓
-7	S-2 3'	G	1			✓							8/3/23	8:48	✓	✓	✓
-8	S-2 4'	G	1			✓							8/3/23	8:50	✓	✓	✓
-9	S-3 1'	G	1			✓							8/3/23	8:55	✓	✓	✓
-10	S-3 2'	G	1			✓							8/3/23	8:58	✓	✓	✓

Relinquished By: R	Date: 8-8-23 Time: 1410	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.1°	#140	Sample Condition Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No	CHECKED BY: (Initials)

REMARKS:

Page 1 of 2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		**BILL TO**	
Project Manager: M. Gomez		P.O. #:	
Address: 408 W. Texas Ave		Company:	
City: Artesia	State: NM Zip: 88210	Attn:	
Phone #: 575.746.8768	Fax #:	Address:	
Project #: 702520.046.01	Project Owner: Matador	City:	
Project Name: Young Deep 13		State: Zip:	
Project Location: Eddy County, NM		Phone #:	
Sampler Name: R. Pacheco		Fax #:	

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	ANALYSIS REQUEST: CL	BTEX	TPH
H234244																	
11	S-3 3'	G	1			✓							8/3/23	9:01	✓	✓	✓
12	S-3 4'	G	1			✓							8/3/23	9:04	✓	✓	✓
13	S-4 1'	G	1			✓							8/3/23	9:11	✓	✓	✓
14	S-4 2'	G	1			✓							8/3/23	9:13	✓	✓	✓
15	S-4 3'	G	1			✓							8/3/23	9:15	✓	✓	✓
16	S-4 4'	G	1			✓							8/3/23	9:17	✓	✓	✓
17	S-5 1'	G	1			✓							8/3/23	9:23	✓	✓	✓
18	S-5 2'	G	1			✓							8/3/23	9:25	✓	✓	✓
19	S-5 3'	G	1			✓							8/3/23	9:27	✓	✓	✓
20	S-5 4'	G	1			✓							8/3/23	9:29	✓	✓	✓

Relinquished By: RAK	Date: 8-8-23	Received By: S Rodriguez	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1410		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One) #140	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) SR	Page 2 of 2
Sampler - UPS - Bus - Other: 4.1°			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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 261499

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 261499
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	None	9/6/2023