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Closure Report

Young Deep Unit 3 Federal #002
Lea County, New Mexico
API ID # 30-025-28907
Incident # NGRL0834541229

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

December 13, 2023

**NMOCD**

506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Young Deep Unit 3 Federal #002
Lea County, New Mexico
API # 30-025-28907
Incident # NGRL0834541229

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, and the closure request are presented herein.

Site Information

The Young Deep Unit 3 Federal #002 is located approximately six (6) miles south of Maljamar, New Mexico. The legal location for this release is Unit Letter P, Section 03, Township 18 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.7709923 and -103.7478027. 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 Kermit soils and Dune land consisting of fine sand, 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

Based on the New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 65 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject site. The FEMA Flood Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential karst area. See [Appendix II](#) for the site characterization data.

Site Characterization	
What is the shallowest depth to groundwater beneath the area affected by the release? (ft bgs)	65 ft
What method was used to determine the depth to ground water?	Estimate
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	0.3 mi
Distance from any lakebed, sinkhole, or playa lake.	5.3 mi
Distance from an occupied permanent residence, school, hospital, institution, or church.	5.6 mi
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	1.5 mi
Distance from any fresh water well or spring.	1.7 mi
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	5.6 mi
Distance from a wetland.	0.0 mi
Distance from a subsurface mine.	22.5 mi
Distance from (non-karst) unstable area.	16.3 mi
Categorize the risk of this well/site being in a karst geology.	Low
Distance from a 100-year floodplain?	6.35 mi
Did the release impact areas not on an exploration, development, production, or storage site? (Pasture)	No

Groundwater and Site Characterization (Continued)

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.

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 personnel noted a historical spill had been reported on October 9, 2008, that needed to be addressed. The C-141 submitted to the NMOCD, incident number NGRL0834541229, stated the source of the release was a two (2) inch backside valve that was left open, resulting in the 25 barrels (bbls) of crude oil released and 22 bbls were recovered. The Figure 2 site map is presented in [Appendix I](#).

Site Assessment

On September 5, 2023, Talon personnel mobilized to the site to conduct an initial site assessment of the area where the historical release occurred. The area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged, preserved on ice, and transported to Envirotech laboratories with the chain of custody for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 1 ([Appendix I](#)). Analytical results of our sampling event are presented in Table 1 below.

Table 1
Site Assessment Analytical Data

Young Deep 3 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	9/5/23	1'	ND	ND	ND	ND	ND	0	ND
	9/5/23	2'	ND	ND	ND	ND	ND	0	ND
	9/5/23	3'	ND	ND	ND	ND	ND	0	ND
	9/5/23	4'	ND	ND	ND	ND	ND	0	ND
S-2	9/5/23	1'	ND	ND	ND	ND	ND	0	ND
	9/5/23	2'	ND	ND	ND	ND	ND	0	ND
	9/5/23	3'	ND	ND	ND	ND	ND	0	ND
	9/5/23	4'	ND	ND	ND	ND	ND	0	ND
S-3	9/5/23	1'	ND	ND	ND	ND	ND	0	ND
	9/5/23	2'	ND	ND	ND	ND	ND	0	ND
	9/5/23	3'	ND	ND	ND	ND	ND	0	ND
	9/5/23	4'	ND	ND	ND	ND	ND	0	ND
S-4	9/5/23	1'	ND	ND	ND	ND	ND	0	ND
	9/5/23	2'	ND	ND	ND	ND	ND	0	ND
	9/5/23	3'	ND	ND	ND	ND	ND	0	ND
	9/5/23	4'	ND	ND	ND	ND	ND	0	ND
S-5	9/5/23	1'	ND	ND	ND	ND	ND	0	ND
	9/5/23	2'	ND	ND	ND	ND	ND	0	ND
	9/5/23	3'	ND	ND	ND	ND	ND	0	ND
	9/5/23	4'	ND	ND	ND	ND	ND	0	69.9

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
- ND** Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Site Action Summary

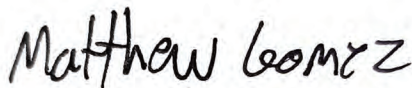
- Representative soil samples were collected from the impacted area.
- Laboratory analysis confirms that NMOCD closure criteria for this site was not exceeded. Therefore, no remedial actions were deemed necessary.
- Previously submitted information is available in the NMOCD Portal.
- Photographic documentation is provided in [Appendix IV](#).

Closure Request

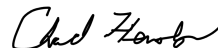
Based upon the analytical results all below NMOCD closure criteria; on behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Respectfully submitted,

Talon/LPE



Matthew Gomez
Project Manager



Chad Hensley
Senior 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

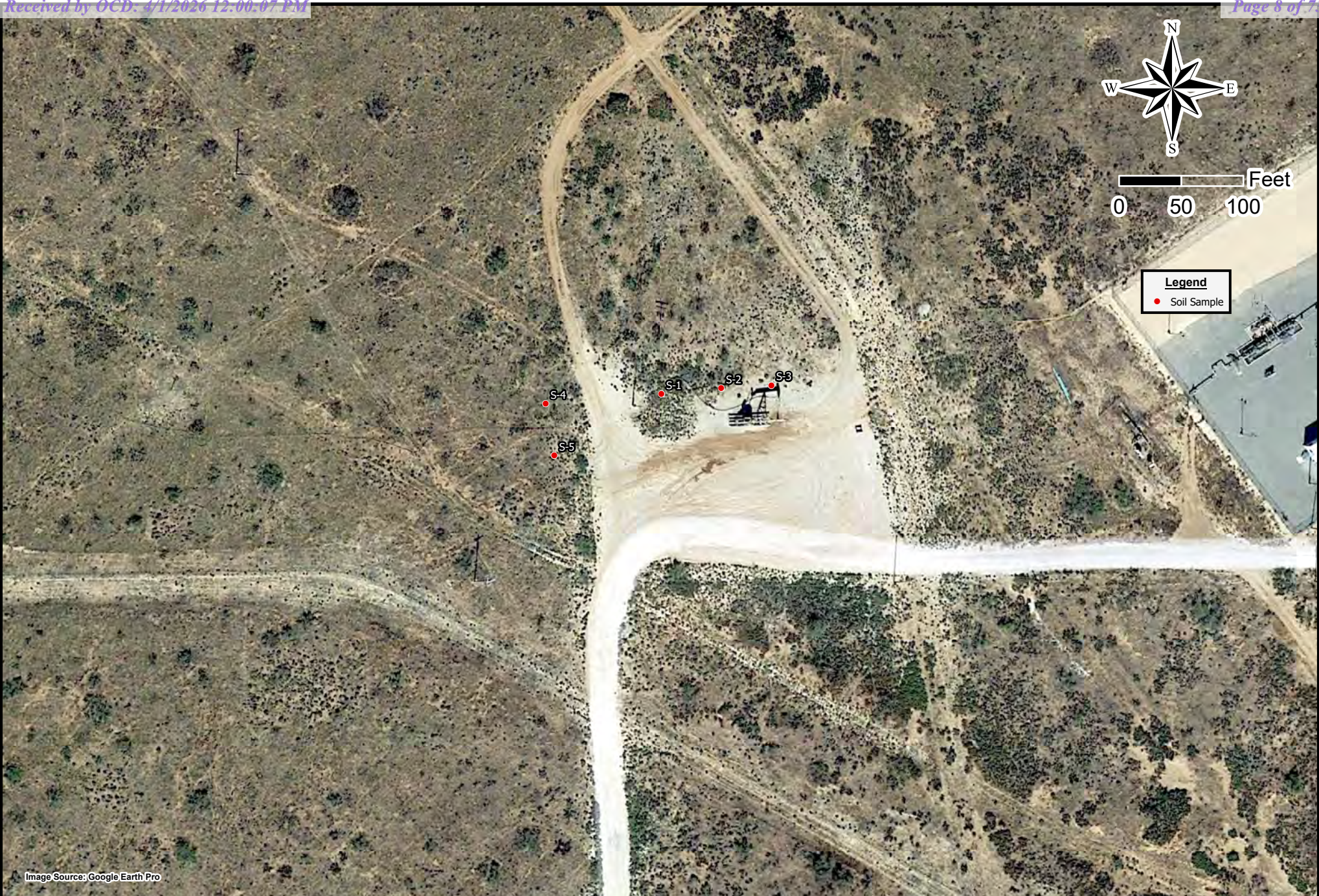


Image Source: Google Earth Pro



Drafted: 9/15/2023
 1 in = 100 ft
 Drafted By: IJR

Matador Resources Company
 Young Deep U3 Federal #2
 Lea County, NM
 Figure 1 - Site Assessment Map

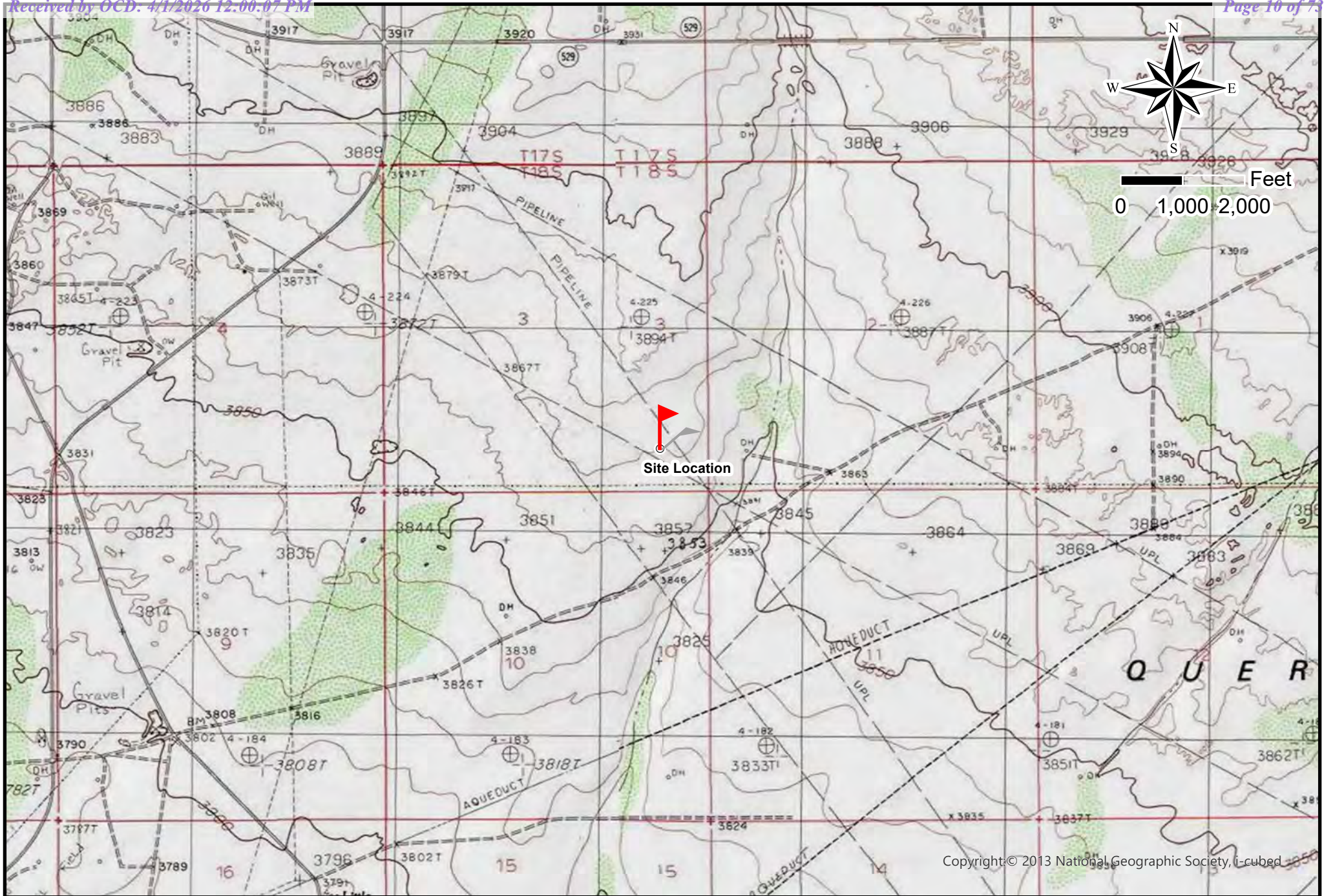


New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar



Drafted: 9/15/2023
 1 in = 2,000 ft
 Drafted By: IJR

Matador Resources Company
 Young Deep U3 Federal #2
 Lea County, NM
 Figure 2 - Site Location Map



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Drafted: 9/15/2023
 1 in = 2,000 ft
 Drafted By: IJR

Matador Resources Company
 Young Deep U3 Federal #2
 Lea County, NM
 Figure 3 - Topographic Map



Image Source: Google Earth Pro

Maxar, Microsoft



Drafted: 9/22/2023

1 in = 50 ft

Drafted By: IJR

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Young Deep U3 Federal #2

Lea County, NM

Figure 4 - 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP.00566 POD1	CP	LE	4	4	1	04	18S	32E	614960	3627280*		2419	133	65	68

Average Depth to Water: **65 feet**

Minimum Depth: **65 feet**

Maximum Depth: **65 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 617280.18

Northing (Y): 3626593.32

Radius: 3000

*UTM location was derived from PLSS - see Help

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

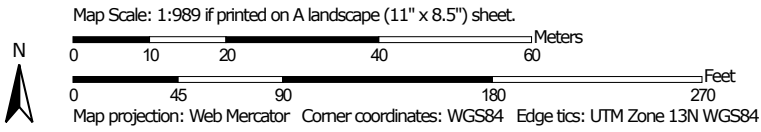
9/14/23 9:47 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Custom Soil Resource Report Soil Map




Soil Map may not be valid at this scale.



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils




 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico
 Survey Area Data: Version 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.

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit soils and Dune land, 0 to 12 percent slopes	3.5	100.0%
Totals for Area of Interest		3.5	100.0%

Map Unit Descriptions

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

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

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

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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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

Custom Soil Resource Report

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

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- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

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National Flood Hazard Layer FIRMette



103°45'12"W 32°46'31"N



Legend

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

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

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/13/2023 at 12:08 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 III
NMOCD Correspondence

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

QUESTIONS

Action 344606

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 344606
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL0834541229
Incident Name	NGRL0834541229 YOUNG DEEP UNIT 3 FEDERAL #002 @ 30-025-28907
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-28907] YOUNG DEEP UNIT 3 FEDERAL #002

Location of Release Source	
Site Name	YOUNG DEEP UNIT 3 FEDERAL #002
Date Release Discovered	10/09/2008
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	0
What is the estimated number of samples that will be gathered	0
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2023
Time sampling will commence	09:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	No sampling notification needed as there was no remediation completed on this incident. This incident was a historical event that we followed up with and all samples came back clean.
Please provide any information necessary for navigation to sampling site	32.7709923, -103.7478027

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 344606

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 344606
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1)(a) NMAC, may result in the remediation closure samples not being accepted.	5/15/2024

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hensley](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hall, Brittany, EMNRD](#)
Subject: RE: [EXTERNAL] Confirmation Sampling Event
Date: Wednesday, August 9, 2023 4:19:23 PM
Attachments: [image001.png](#)
[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.

Hi Chad,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Chad Hensley <chensley@talonlpe.com>
Sent: Wednesday, August 9, 2023 3:27 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Nathaniel Rose <nrose@talonlpe.com>
Subject: [EXTERNAL] Confirmation Sampling Event

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

To whom it may concern,

Talon on behalf of Matador is conducting a sampling event for:

Young Deep U3 Fed #2
nGRL0834541229
8/14/2023 at 11am

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



Talon LPE
Young Deep 3
S-1
08.31.2023 01:47 PM
32.77106, -103.74799
Unnamed Road, Hobbs, NM 88240, USA

Photograph No.1 Description:	Location of soil sample S-1
---	-----------------------------



Talon LPE
Young Deep 3
S-2
08.31.2023 01:48 PM
32.77108, -103.74802
Unnamed Road, Hobbs, NM 88240, USA

Photograph No.2 Description:	Location of soil sample S-2
---	-----------------------------



Talon LPE
Young Deep 3
S-3
08-31-2023 01:49 PM
32.77107, -103.74778
Unnamed Road, Hobbs, NM 88240, USA

Photograph No.3
Description:

Location of soil sample S-3



Talon LPE
Young Deep 3
S-4
08-31-2023 01:50 PM
32.77111, -103.74778
Unnamed Road, Hobbs, NM 88240, USA

Photograph No.4
Description:

Location of soil sample S-4



Talon LPE
Young Deep 3
S-5
08/31/2023 01:50 PM
32.77123, -103.74788
Unnamed Road, Hobbs, NM 88240, USA

Photograph No.5
Description:

Location of soil sample S-5



Appendix V
Laboratory Reports

Report to:
Chad Hensley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Young Deep 3

Work Order: E309023

Job Number: 23042-0001

Received: 9/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 9/11/23

Chad Hensley
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Young Deep 3
Workorder: E309023
Date Received: 9/5/2023 8:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Young Deep 3.

The analytical test results summarized in this report with the Project Name: Young Deep 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Young Deep 3

Project Number:

23042-0001

Project Manager:

Chad Hensley

Reported:

09/11/23 16:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E309023-01A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-1 2'	E309023-02A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-1 3'	E309023-03A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-1 4'	E309023-04A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-2 1'	E309023-05A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-2 2'	E309023-06A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-2 3'	E309023-07A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-2 4'	E309023-08A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-3 1'	E309023-09A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-3 2'	E309023-10A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-3 3'	E309023-11A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-3 4'	E309023-12A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-4 1'	E309023-13A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-4 2'	E309023-14A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-4 3'	E309023-15A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-4 4'	E309023-16A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-5 1'	E309023-17A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-5 2'	E309023-18A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-5 3'	E309023-19A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
S-5 4'	E309023-20A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-1 1'
E309023-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>						
	84.8 %	50-200		09/07/23	09/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-1 2'

E309023-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.9 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>		85.6 %	50-200	09/07/23	09/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-1 3'
E309023-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.3 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>		87.9 %	50-200	09/07/23	09/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-1 4'

E309023-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>		82.8 %	50-200	09/07/23	09/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-2 1'

E309023-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.3 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>		87.1 %	50-200	09/07/23	09/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-2 2'

E309023-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>		87.4 %	50-200	09/07/23	09/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-2 3'

E309023-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>		87.5 %	50-200	09/07/23	09/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-2 4'

E309023-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
<i>Surrogate: n-Nonane</i>		87.5 %	50-200	09/07/23	09/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-3 1'

E309023-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.9 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		88.2 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-3 2'

E309023-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		92.0 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-3 3'

E309023-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.4 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.1 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>						
		93.2 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-3 4'

E309023-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-4 1'
E309023-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-4 2'

E309023-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-4 3'

E309023-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-4 4'

E309023-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-5 1'
E309023-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		90.1 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/08/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-5 2'
E309023-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		94.4 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/09/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-5 3'
E309023-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	ND	20.0	1	09/06/23	09/09/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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S-5 4'
E309023-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Benzene	ND	0.0250	1	09/06/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/09/23	
Toluene	ND	0.0250	1	09/06/23	09/09/23	
o-Xylene	ND	0.0250	1	09/06/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2336041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	09/06/23	09/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2336064
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/11/23	
<i>Surrogate: n-Nonane</i>		93.9 %	50-200	09/07/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2336054
Chloride	69.9	20.0	1	09/06/23	09/09/23	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336041-BLK1)

Prepared: 09/06/23 Analyzed: 09/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5		70-130		

LCS (2336041-BS1)

Prepared: 09/06/23 Analyzed: 09/09/23

Benzene	4.18	0.0250	5.00		83.6		70-130		
Ethylbenzene	4.23	0.0250	5.00		84.6		70-130		
Toluene	4.25	0.0250	5.00		85.0		70-130		
o-Xylene	4.31	0.0250	5.00		86.1		70-130		
p,m-Xylene	8.65	0.0500	10.0		86.5		70-130		
Total Xylenes	13.0	0.0250	15.0		86.3		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8		70-130		

Matrix Spike (2336041-MS1)

Source: E309023-02

Prepared: 09/06/23 Analyzed: 09/09/23

Benzene	4.55	0.0250	5.00	ND	91.1		54-133		
Ethylbenzene	4.59	0.0250	5.00	ND	91.9		61-133		
Toluene	4.61	0.0250	5.00	ND	92.3		61-130		
o-Xylene	4.65	0.0250	5.00	ND	93.1		63-131		
p,m-Xylene	9.37	0.0500	10.0	ND	93.7		63-131		
Total Xylenes	14.0	0.0250	15.0	ND	93.5		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4		70-130		

Matrix Spike Dup (2336041-MSD1)

Source: E309023-02

Prepared: 09/06/23 Analyzed: 09/09/23

Benzene	4.32	0.0250	5.00	ND	86.3		54-133	5.32	20
Ethylbenzene	4.40	0.0250	5.00	ND	88.0		61-133	4.37	20
Toluene	4.40	0.0250	5.00	ND	88.0		61-130	4.71	20
o-Xylene	4.44	0.0250	5.00	ND	88.9		63-131	4.59	20
p,m-Xylene	8.99	0.0500	10.0	ND	89.9		63-131	4.22	20
Total Xylenes	13.4	0.0250	15.0	ND	89.5		63-131	4.34	20
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336041-BLK1)

Prepared: 09/06/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

LCS (2336041-BS2)

Prepared: 09/06/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			

Matrix Spike (2336041-MS2)

Source: E309023-02

Prepared: 09/06/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

Matrix Spike Dup (2336041-MSD2)

Source: E309023-02

Prepared: 09/06/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130	1.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336064-BLK1)

Prepared: 09/06/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.8		50.0		91.5	50-200			

LCS (2336064-BS1)

Prepared: 09/06/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	236	25.0	250		94.4	38-132			
Surrogate: <i>n</i> -Nonane	43.0		50.0		86.0	50-200			

Matrix Spike (2336064-MS1)

Source: E309023-20

Prepared: 09/06/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.1	38-132			
Surrogate: <i>n</i> -Nonane	44.7		50.0		89.4	50-200			

Matrix Spike Dup (2336064-MSD1)

Source: E309023-20

Prepared: 09/06/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132	0.415	20	
Surrogate: <i>n</i> -Nonane	45.5		50.0		91.0	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/11/2023 4:52:30PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336054-BLK1)

Prepared: 09/06/23 Analyzed: 09/08/23

Chloride ND 20.0

LCS (2336054-BS1)

Prepared: 09/06/23 Analyzed: 09/08/23

Chloride 248 20.0 250 99.1 90-110

Matrix Spike (2336054-MS1)

Source: E309023-01

Prepared: 09/06/23 Analyzed: 09/08/23

Chloride 255 20.0 250 ND 102 80-120

Matrix Spike Dup (2336054-MSD1)

Source: E309023-01

Prepared: 09/06/23 Analyzed: 09/08/23

Chloride 253 20.0 250 ND 101 80-120 0.730 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Young Deep 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 09/11/23 16:52
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 5/28/2026 3:38:14 PM

Received by OCD: 4/1/2026 12:00:07 PM

Client: <u>Matazor</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Young Deep 3</u>		Attention:		Lab WO# <u>E309023</u>		Job Number <u>Z3042-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>C. Hensley</u>		Address:		Analysis and Method									
Address: <u>408 W. Texas</u>		City, State, Zip											RCRA
City, State, Zip: <u>Artesia, NM, 88210</u>		Phone:											
Phone: <u>575-746-8768</u>		Email:											
Email: <u>Arase@Telonpe.com</u>		Report due by:											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NIM	TCEQ 1005-TX	1D	2D	3D	Standard	Remarks	
1540	8-30-23	Soil	1	S-1 1'	1	X	X	X			X								
1544				S-1 2'	2														
1551				S-1 3'	3														
1559				S-1 4'	4														
1608				S-2 1'	5														
1611				S-2 2'	6														
1618				S-2 3'	7														
1627				S-2 4'	8														
1645				S-3 1'	9														
1656				S-3 2'	10														

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
	8-31-23			9-1-23	1820	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	9-1-23	1835		9-1-23	1845	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	9-2-23	0115		9/5/23	8:15	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Client: Mafador
 Project: Young Deep 3
 Project Manager: C. Hensley
 Address: 408 W. Texas
 City, State, Zip: Artesia, NM, 88210
 Phone: 575-746-8768
 Email: ACOSE@Talen/pe.com
 Report due by:

Bill To
 Attention:
 Address:
 City, State, Zip
 Phone:
 Email:

Lab Use Only
 Lab WO# E309023 Job Number 23042-0001
 TAT: 1D, 2D, 3D, Standard X
 EPA Program: CWA, SDWA, RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method								State					Remarks		
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005-TX	NM	CO	UT	AZ	TX			
1708	8-30-23	Soil	1	S-3	3'	11	X	X	X		X										
1715				S-9	4'	12															
1720				S-4	1'	13															
1723				S-4	2'	14															
1731				S-4	3'	15															
1734				S-4	4'	16															
1748				S-5	1'	17															
1753				S-5	2'	18															
1757				S-5	3'	19															
1801				S-5	4'	20															

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
 Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>0/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<i>[Signature]</i>			<i>[Signature]</i>	9-1-23	1820	
<i>[Signature]</i>	9-1-23	1835	<i>[Signature]</i>	9-1-23	1845	
<i>[Signature]</i>	9-2-23	0115	<i>[Signature]</i>	9/5/23	8:15	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Released to Imaging: 5/28/2026 3:38:14 PM

Received by OCD: 4/1/2026 12:00:07 PM

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Envirotech Analytical Laboratory

Printed: 9/5/2023 12:48:08PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Matador Resources, LLC.	Date Received: 09/05/23 08:15	Work Order ID: E309023
Phone: (972) 371-5200	Date Logged In: 09/05/23 10:26	Logged In By: Caitlin Mars
Email:	Due Date: 09/11/23 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 570136

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL0834541229
Incident Name	NGRL0834541229 YOUNG DEEP UNIT 3 FEDERAL #002 @ 30-025-28907
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-28907] YOUNG DEEP UNIT 3 FEDERAL #002

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	YOUNG DEEP UNIT 3 FEDERAL #002
Date Release Discovered	10/09/2008
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 25 BBL Recovered: 22 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 570136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	No disposal facility was utilized during this job as no contaminated soil was identified at the site.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/01/2026
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 570136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/05/2023
On what date will (or did) the final sampling or liner inspection occur	09/05/2023
On what date will (or was) the remediation complete(d)	09/05/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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

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

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QUESTIONS, Page 4

Action 570136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No disposal facility was utilized during this job site because no contaminated soil was identified at this site.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/01/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 570136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 570136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	344606
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2023
What was the (estimated) number of samples that were to be gathered	0
What was the sampling surface area in square feet	0

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Laboratory analysis confirms that NMOCD closure criteria for this site was not exceeded. Therefore, no remedial actions were deemed necessary.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/01/2026
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QUESTIONS, Page 7

Action 570136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 570136

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570136
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	5/28/2026