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TALON LPE

Closure Report

Jimmy Kone Facility TB
Eddy County, New Mexico
Incident # NAPP2425236568

Prepared For:

Matador Production Company
5347 N. 26th Street, 2nd Floor
Artesia, New Mexico 88210

Prepared By:

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

September 30, 2024

New Mexico Oil Conservation District
506 W. Texas Ave
Artesia, New Mexico 88210

Subject: **Closure Report**
Jimmy Kone Facility TB
Eddy County, New Mexico
Incident # NAPP2425236568

To Whom It May Concern,

Matador Production Company contracted Talon/LPE, Ltd. (Talon) to complete a liner inspection and closure activities at the above referenced location. The incident description, soil sampling results, and closure request are presented herein.

Site Information

The Jimmy Kone Facility TB is located approximately 2 miles northwest of Malaga, New Mexico. The legal location for this release is Unit Letter I, Section 05, Township 24 South, and Range 28 East in Eddy County, New Mexico. The latitude and longitude for the site is 32.2462837, -104.1028682. Site maps are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Karro loam with 0 to 1 percent slopes. The referenced soil data is presented in Appendix III. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of alluvium, Holocene to upper Pleistocene in age. Drainage courses in this area are typically well drained. Groundwater and site characterization data is summarized in the following table.

Groundwater and Site Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?	Between 26 and 50 (ft bgs)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	Between 1/2 and 1 mile
Distance from any lakebed, sinkhole, or playa lake.	Between 1/2 and 1 mile
Distance from an occupied permanent residence, school, hospital, institution, or church.	Between 500 and 1000
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 500 and 1000
Distance from any fresh water well or spring.	Between 500 and 1000
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	Between 1/2 and 1 mile
Distance from a wetland.	Between 1/2 and 1 mile
Distance from a subsurface mine.	Greater than 5 miles
Distance from (non-karst) unstable area.	Between 1 and 5 mile
Categorize the risk of this well/site being in a karst geology.	Medium
Distance from a 100 year floodplain.	Between 1/2 and 1 mile
Did the release impact areas not on an exploration, development, production, or storage site?	No

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

Table I - Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Total Chlorides***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other test methods approved by the division,

**Numerical limits or natural background level, whichever is greater.

***This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

Incident Description

On September 7, 2024, approximately 134 barrels (bbls) of crude oil was released into the secondary containment from a production tank . A vacuum truck was dispatched and 134 bbls of crude oil were recovered from the containment. The release was reported to the NMOCD and was assigned incident # NAPP2425236568.

Site maps of the release are presented in Appendix I. Initial C-141 spill notifications were filed with the NMOCD.

Site Assessment Activities

An inspection was scheduled on September 20, 2024, after the secondary containment was cleaned for a visual inspection. The liner was determined to be intact.

Surface soil samples were collected from outside of the four (4) secondary containment walls.

Results from the sampling event are presented on Table 1 in Appendix II and the complete laboratory report can be found in Appendix V. Sample locations are shown on the attached Figure 2 in Appendix I.

Remedial Action Summary

- The liner in the secondary containment was intact and passed visual inspection.
- Surface samples were collected from the north, east, south, and west of the secondary containment.
- Analytical results from the collected samples were below action level criteria and indicated the release was contained.
- Photographic documentation is provided in Appendix IV.

Closure

Based on the site assessment and characterization data, remedial actions completed, and sampling results obtained for this project, on behalf of Matador Production Company, we respectfully request that no further actions be required and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,
Talon/LPE, Ltd.

Kayla Taylor
Project Manager

David Adkins
Regional Manager

Attachments:

Appendix I	Site Maps
Appendix II	Table
Appendix III	Site Characterization
Appendix IV	Photographic Documentation
Appendix V	Laboratory Analytical Data

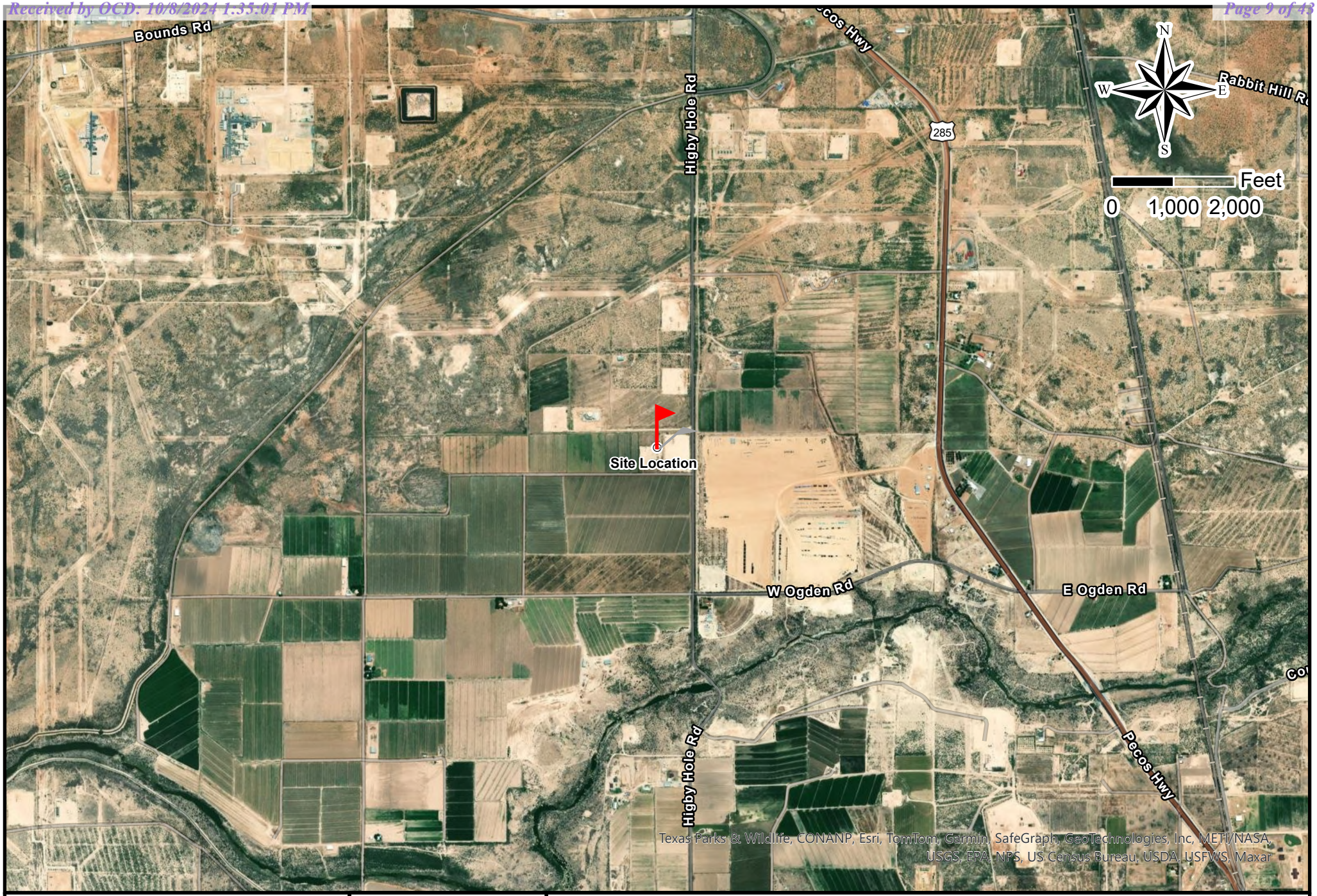
APPENDIX I

Site Maps

TALON LPE

Drafted: 9/30/2024
1 in = 50 ft
Drafted By: IJR

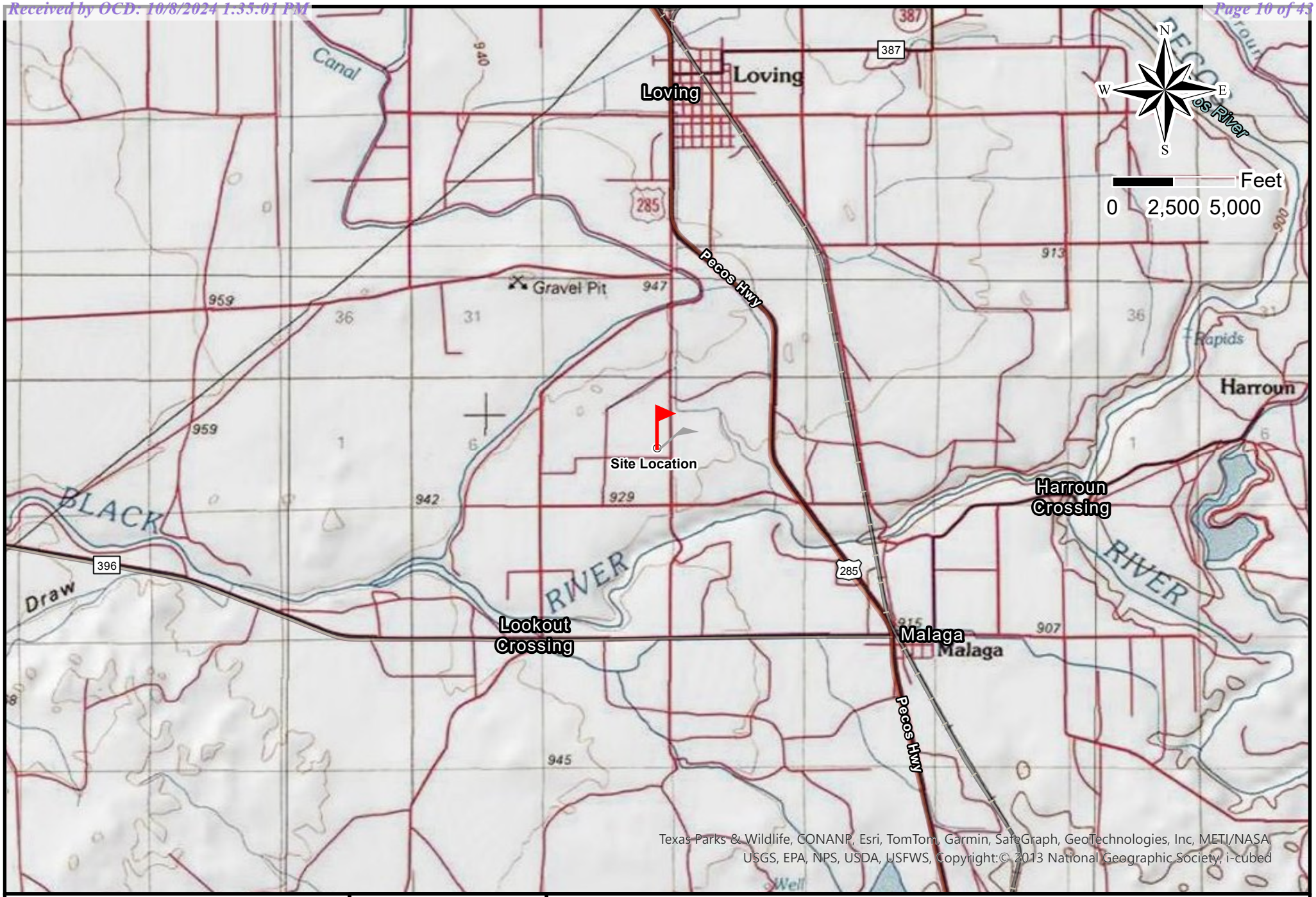
Matador Resources
Jimmy Kone TB
Eddy County, New Mexico
Figure 1 - Site Assessment Map



TALON LPE

Drafted: 9/30/2024
1 in = 2,000 ft
Drafted By: IJR

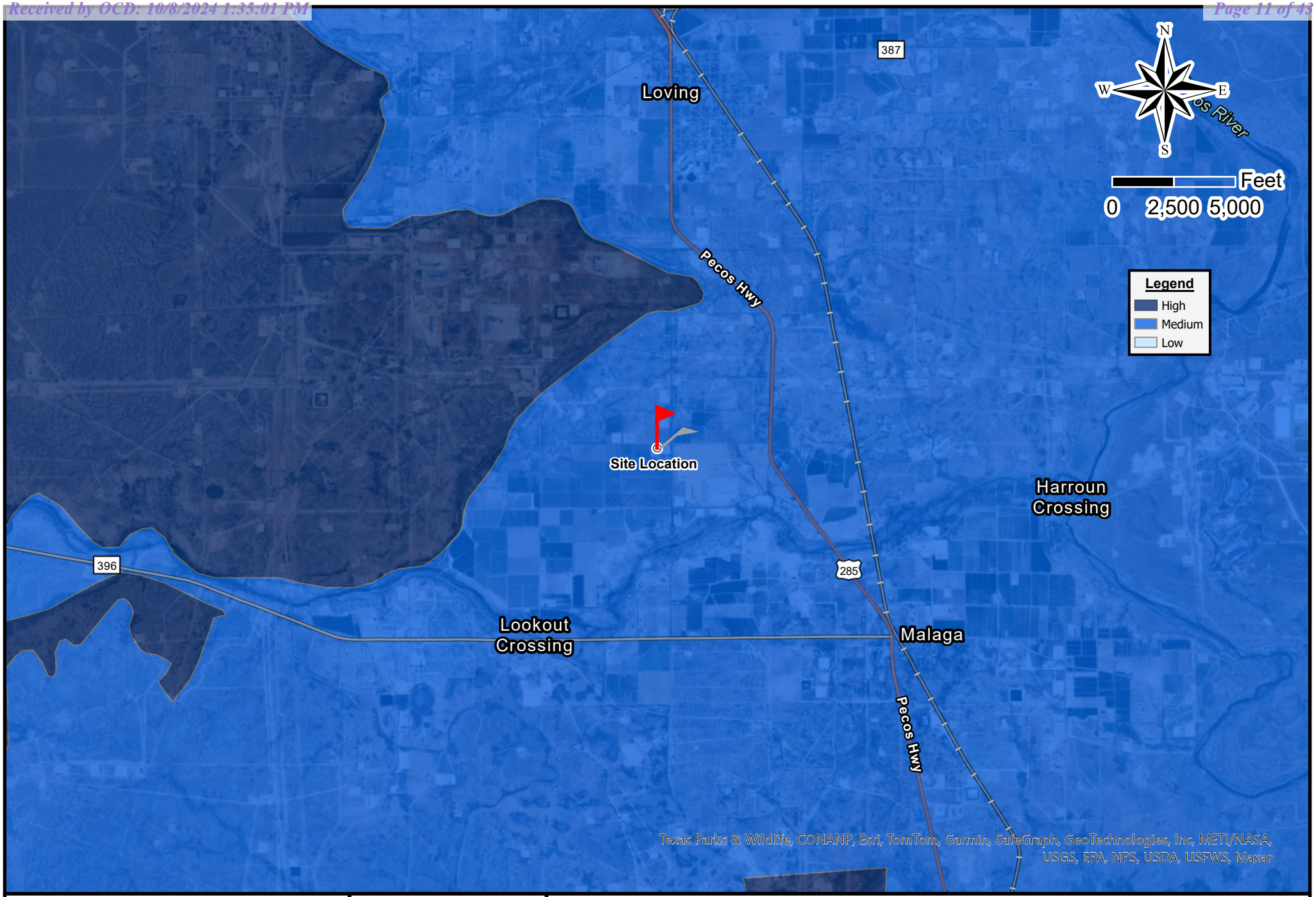
Matador Resources
Jimmy Kone TB
Eddy County, New Mexico
Figure 2 - Site Location Map



TALON LPE

Drafted: 9/30/2024
1 in = 5,000 ft
Drafted By: IJR

Matador Resources
Jimmy Kone TB
Eddy County, New Mexico
Figure 3 - Topographic Map



TALON LPE

Drafted: 9/30/2024
1 in = 5,000 ft
Drafted By: IJR

Matador Resources
Jimmy Kone TB
Eddy County, New Mexico
Figure 4 - Karst Map

APPENDIX II

Table

Table 1
Assessment Sampling
Laboratory Analytical Summary

Jimmy Kone TB									
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	9/20/2024	0.5'	ND	ND	ND	ND	ND	-	256
S-2	9/20/2024	0.5'	ND	ND	ND	ND	ND	-	32
S-3	9/20/2024	0.5'	ND	ND	ND	ND	ND	-	384
S-4	9/20/2024	0.5'	ND	ND	ND	ND	ND	-	336

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

APPENDIX III

Site Characterization

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 01731		SE	NE	05	24S	28E	584483.0	3568367.0 *	

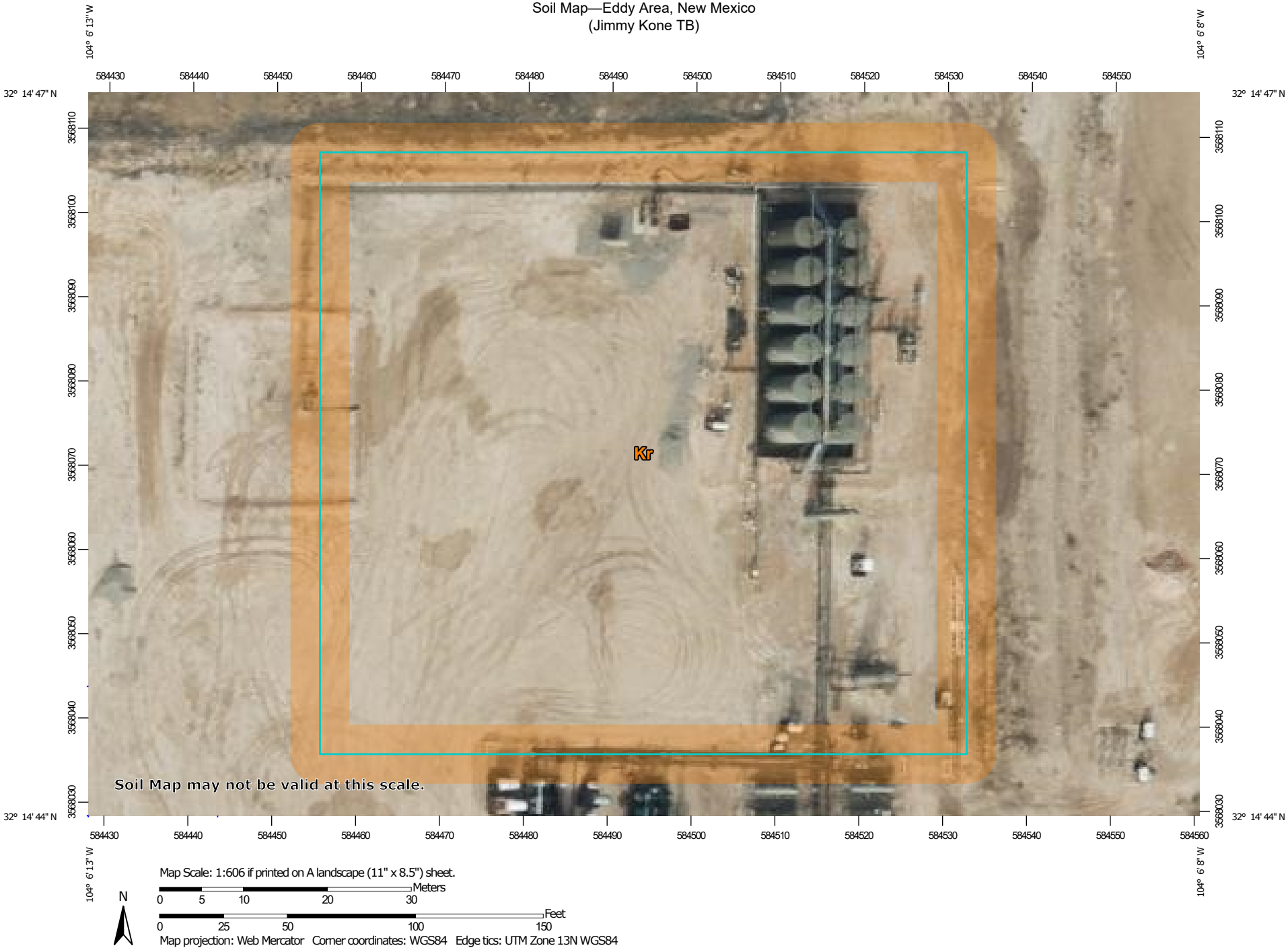
*** UTM location was derived from PLSS - see Help**

Driller License:	30	**Driller Company:**	BARRON, EMMETT		
Driller Name:	BARRON, EMMETT				
Drill Start Date:	1977-01-15	**Drill Finish Date:**	1977-03-10	**Plug Date:**	
Log File Date:	1977-03-30	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	80	**Depth Water:**	30

Water Bearing Stratifications:

Top	Bottom	Description
0	10	Other/Unknown
10	30	Other/Unknown
20	80	Other/Unknown

Soil Map—Eddy Area, New Mexico
(Jimmy Kone TB)



Soil Map—Eddy Area, New Mexico
(Jimmy Kone TB)

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: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Kr	Karro loam, 0 to 1 percent slopes	1.4	100.0%
Totals for Area of Interest		**1.4**	**100.0%**

Eddy Area, New Mexico

Kr—Karro loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w4v
Elevation: 2,500 to 5,300 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 57 to 64 degrees F
Frost-free period: 200 to 230 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 99 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Karro

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Riser, talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam
H2 - 10 to 90 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: R070BC030NM - Limy

Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Data Source Information

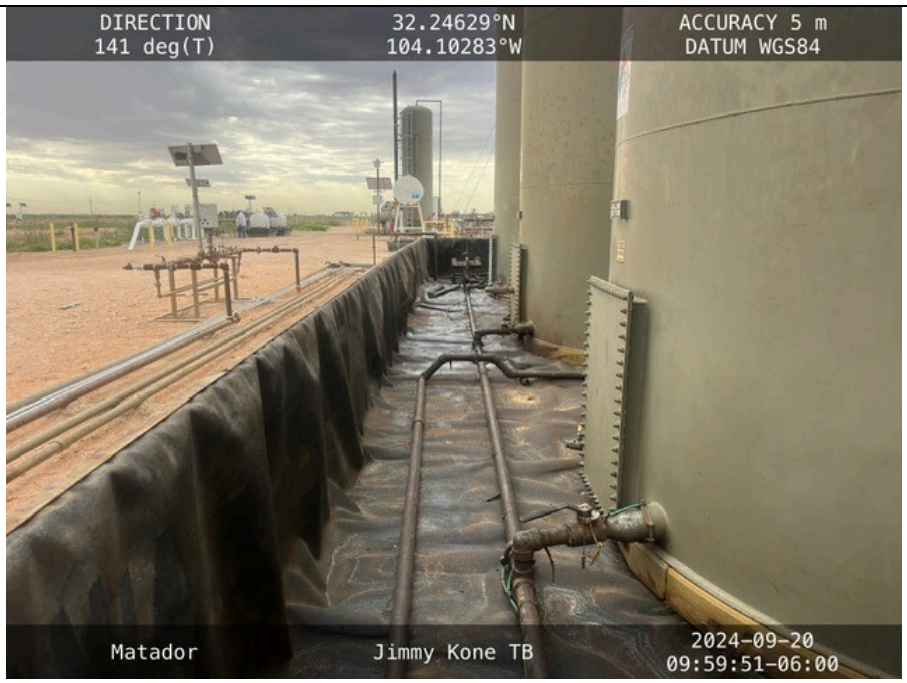
Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

APPENDIX IV

Photographic Documentation

Photograph No. 1 Description:	Northern edge of secondary containment

Photograph No. 2 Description:	Eastern edge of secondary containment



Photograph No. 3 Description:	Eastern edge of secondary containment

Photograph No. 4 Description:	Western edge of secondary containment

Photograph No. 5 Description:	Western edge of secondary containment

Photograph No. 6 Description:	Northeastern corner of secondary containment

Photograph No. 7 **Description:**	Southeastern corner of secondary containment

Photograph No. 8 **Description:**	Southwestern corner of secondary containment

Photograph No. 9 Description:	Center portion of secondary containment

Photograph No. 10 Description:	Center portion of secondary containment

Photograph No. 11 Description:	Center portion of secondary containment

Photograph No. 12 Description:	View of northern portion of tank battery

Photograph No. 13 **Description:**	View of eastern portion of tank battery

Photograph No. 14 **Description:**	View of eastern portion of tank battery

Photograph No. 15 Description:	View of southern portion of tank battery

Photograph No. 16 Description:	View of western portion of tank battery

APPENDIX V

Laboratory Analytical Data

CARDINAL Laboratories

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

September 26, 2024

KAYLA TAYLOR

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JIMMY KONE TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/23/24 11:58.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	09/23/2024	Sampling Date:	09/20/2024
Reported:	09/26/2024	Sampling Type:	Soil
Project Name:	JIMMY KONE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	702520.087.01	Sample Received By:	Alyssa Parras
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 @ 0.5' (H245752-01)

BTEX 8021B mg/kg Analyzed By: JH HDSP-1

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2024	ND	2.19	110	2.00	2.41	
Toluene*	<0.050	0.050	09/23/2024	ND	2.12	106	2.00	0.238	
Ethylbenzene*	<0.050	0.050	09/23/2024	ND	2.16	108	2.00	1.09	
Total Xylenes*	<0.150	0.150	09/23/2024	ND	6.49	108	6.00	1.51	
Total BTEX	<0.300	0.300	09/23/2024	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	09/23/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS HDSP-1

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2024	ND	210	105	200	0.881	
DRO >C10-C28*	<10.0	10.0	09/23/2024	ND	197	98.7	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	09/23/2024	ND					

Surrogate: 1-Chlorooctane *70.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *62.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	09/23/2024	Sampling Date:	09/20/2024
Reported:	09/26/2024	Sampling Type:	Soil
Project Name:	JIMMY KONE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	702520.087.01	Sample Received By:	Alyssa Parras
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 2 @ 0.5' (H245752-02)

BTEX 8021B mg/kg Analyzed By: JH HDSP-1

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2024	ND	2.19	110	2.00	2.41	
Toluene*	<0.050	0.050	09/23/2024	ND	2.12	106	2.00	0.238	
Ethylbenzene*	<0.050	0.050	09/23/2024	ND	2.16	108	2.00	1.09	
Total Xylenes*	<0.150	0.150	09/23/2024	ND	6.49	108	6.00	1.51	
Total BTEX	<0.300	0.300	09/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/23/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS HDSP-1

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2024	ND	210	105	200	0.881	
DRO >C10-C28*	<10.0	10.0	09/23/2024	ND	197	98.7	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	09/23/2024	ND					

Surrogate: 1-Chlorooctane *99.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	09/23/2024	Sampling Date:	09/20/2024
Reported:	09/26/2024	Sampling Type:	Soil
Project Name:	JIMMY KONE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	702520.087.01	Sample Received By:	Alyssa Parras
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 3 @ 0.5' (H245752-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2024	ND	2.19	110	2.00	2.41	
Toluene*	<0.050	0.050	09/23/2024	ND	2.12	106	2.00	0.238	
Ethylbenzene*	<0.050	0.050	09/23/2024	ND	2.16	108	2.00	1.09	
Total Xylenes*	<0.150	0.150	09/23/2024	ND	6.49	108	6.00	1.51	
Total BTEX	<0.300	0.300	09/23/2024	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	09/23/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2024	ND	210	105	200	0.881	
DRO >C10-C28*	<10.0	10.0	09/23/2024	ND	197	98.7	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	09/23/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	09/23/2024	Sampling Date:	09/20/2024
Reported:	09/26/2024	Sampling Type:	Soil
Project Name:	JIMMY KONE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	702520.087.01	Sample Received By:	Alyssa Parras
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 4 @ 0.5' (H245752-04)

BTEX 8021B mg/kg Analyzed By: JH HDSP-1

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	4.71	
Toluene*	<0.050	0.050	09/24/2024	ND	2.04	102	2.00	3.33	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.05	103	2.00	2.40	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.14	102	6.00	1.53	
Total BTEX	<0.300	0.300	09/24/2024	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	09/23/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS HDSP-1

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2024	ND	210	105	200	0.881	
DRO >C10-C28*	<10.0	10.0	09/23/2024	ND	197	98.7	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	09/23/2024	ND					

Surrogate: 1-Chlorooctane *93.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

HDSP-1	Sample container had headspace. Results may be biased low.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1 of 1

Company Name:	Talon/LPE
Project Manager:	Kayla Taylor
Address:	408 W. Texas Ave.
City:	Artesia State: NM Zip: 88210
Phone #:	432-210-5443 Fax #:
Project #:	702520.087.01 Project Owner: Matador
Project Name:	Jimmy Kone TB
Project Location:	Eddy Co., NM
Sampler Name:	M. Wilson

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	TPH	BTEX	Chlorides
H245752																	
1	S-1 @ 0.5'	G	1			X					X		9-20-24	11:00	X	X	X
2	S-2 @ 0.5'	G	1			X					X		9-20-24	10:20	X	X	X
3	S-3 @ 0.5'	G	1			X					X		9-20-24	10:25	X	X	X
4	S-4 @ 0.5'	G	1			X					X		9-20-24	10:30	X	X	X

Relinquished By:	Date: 9.23.24	Received By:	
Marty Wilson	Time: 1158	apaves	
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 6.0	Sample Condition Cool: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☐ Standard ☒ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C AD 5.4	Intact: ☑ Yes ☐ No	PP	Thermometer ID #140 Correction Factor -0.6°C

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

FORM-000 R 3.3 08/05/24

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

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Santa Fe, NM 87505

QUESTIONS

Action 390828

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390828
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2425236568**
Incident Name	**NAPP2425236568 JIMMY KONE TB @ 0**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2202573204] Jimmy Kone Facility Tank Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Jimmy Kone TB
Date Release Discovered	09/07/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion | Tank (Any) | Crude Oil | Released: 134 BBL | Recovered: 134 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390828
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/08/2024

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390828
	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 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between ½ and 1 (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	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
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	09/20/2024
On what date will (or did) the final sampling or liner inspection occur	09/20/2024
On what date will (or was) the remediation complete(d)	09/20/2024
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 (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390828
	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.)	
Is (or was) there affected material present needing to be removed	*Not answered.*
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/08/2024
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 (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390828
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	**384509**
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	**09/20/2024**
Was all the impacted materials removed from the liner	**Yes**
What was the liner inspection surface area in square feet	**3430**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**Yes**
What was the total surface area (in square feet) remediated	3430
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	N/A

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: 10/08/2024

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CONDITIONS

Action 390828

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 390828
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Liner inspection approved, release resolved.	10/31/2024