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Closure Report

Shinnery Oak SWD #003
Eddy County, New Mexico
API ID # 30-015-45535
Incident # NAPP2318374902

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

January 31, 2024

**NMOCD**

506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Shinnery Oak SWD #003
Eddy County, New Mexico
API ID # 30-015-45535
Incident # NAPP2318374902

To Whom It May Concern,

Matador Resources (Matador) contracted Talon/LPE (Talon) to perform liner inspection services at the above referenced location. The incident description, soil sampling results, containment integrity testing, and closure request are presented herein.

Site Information

The Shinnery Oak SWD #003 is located approximately 11.5 miles northeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter E, Section 02, Township 21 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.5112091, -104.062541. 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 soils in the area are made up of Berino complex, 0 to 3 percent slopes, eroded. 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 eolian deposits, Holocene to middle Pleistocene in age. Drainage courses in this area are typically well drained. Site characterization data is summarized in the following table.

Site Characterization	
What is the shallowest depth to groundwater beneath the area affected by the release?	Between 100 and 500 (ft bgs)
What method was used to determine the depth to groundwater?	NM OSE Waters Database Search
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	Greater than 5 miles
Distance from any lakebed, sinkhole, or playa lake.	Greater than 5 miles
Distance from an occupied permanent residence, school, hospital, institution, or church.	Greater than 5 miles
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 1/2 and 1 mile
Distance from any fresh water well or spring.	Between 1/2 and 1 mile
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	Greater than 5 miles
Distance from a wetland.	Between 300 and 500 ft
Distance from a subsurface mine.	Between 1 and 5 miles
Distance from (non-karst) unstable area.	Greater than 5 miles
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

Incident Description

On July 2, 2023, a tank overflow released 20 barrels (bbls) of produced water into the containment. All 20 bbls of produced water were recovered from the containment. The initial C-141 was submitted to the NMOCD, and can be reviewed under incident number NAPP2318374902.

Site maps of the release are presented in [Appendix I](#). Initial C-141 spill notifications were filed with the NMOCD and are attached in [Appendix V](#).

Site Assessment Activities

On July 17, 2023, Talon personnel mobilized to the site to conduct a liner inspection. The containment was visually inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code. Photographs illustrating containment integrity were taken and are presented in [Appendix IV](#). The initial liner integrity certification form is presented in [Appendix VII](#).

Regulatory Response

On September 14, 2023, the NMOCD denied the submitted closure report. The NMOCD stated that a significant crack running down the length of the tank battery was evident within the presented Photograph 1.

Corrective Actions

On January 15, 2024, Talon personnel returned to the subject location to determine if any contaminants escaped the containment. Four (4) samples were collected around the identified crack in the containment. A San Mateo Stebbins Water Management, LLC representative applied sealant to waterproof the surface crack. All soil samples were packaged in laboratory provided glassware, preserved on ice, and transported with the chain of custody to Envirotech, Inc., in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B). The analytical results from the laboratory analyses are summarized in Table 1 within [Appendix II](#). Sample locations are illustrated in [Appendix I](#) and complete laboratory analytical reports are presented in [Appendix VI](#).

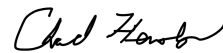
Closure

Based on the completed actions and analytical results; on behalf of Matador Resources, 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



Matthew Gomez
Project Manager

Chad Hensley
Senior Project Manager

Attachments:

Appendix I	Site Maps
Appendix II	Analytical Data Tables
Appendix III	Site Characterization
Appendix IV	Photographic Documentation
Appendix V	Correspondence
Appendix VI	Laboratory Reports
Appendix VII	Liner Integrity Certification



Appendix I

Site Maps



Image Source: Google Earth Pro



Drafted: 1/25/2024

1 in = 25 ft

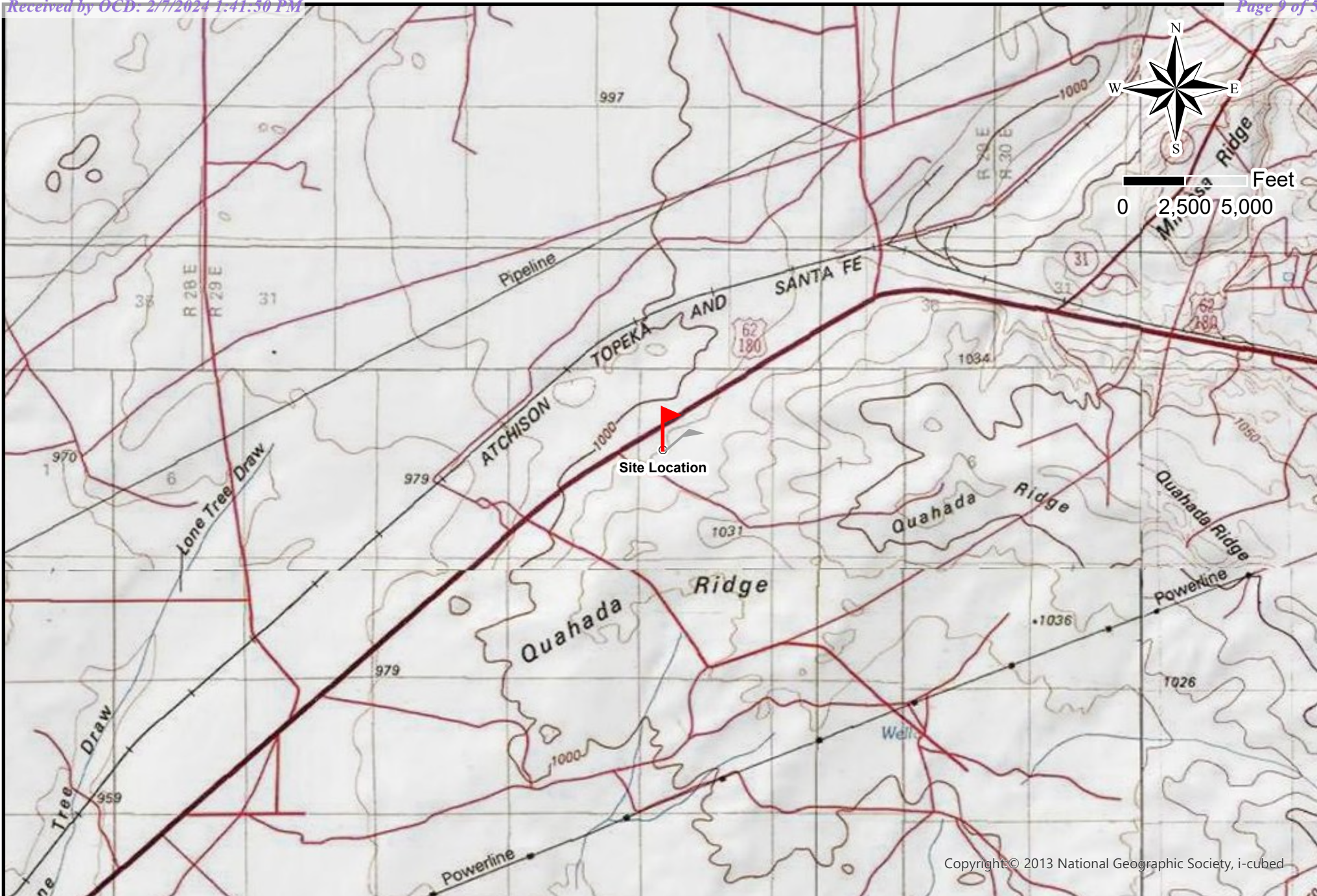
Drafted By: IJR

Shinnery Oak SWD #003
Matador Resources
Eddy County, NM
Sample Map



Drafted: 1/25/2024
1 in = 20,000 ft
Drafted By: IJR

Shinnery Oak SWD #003
Matador Resources
Eddy County, NM
Location Map

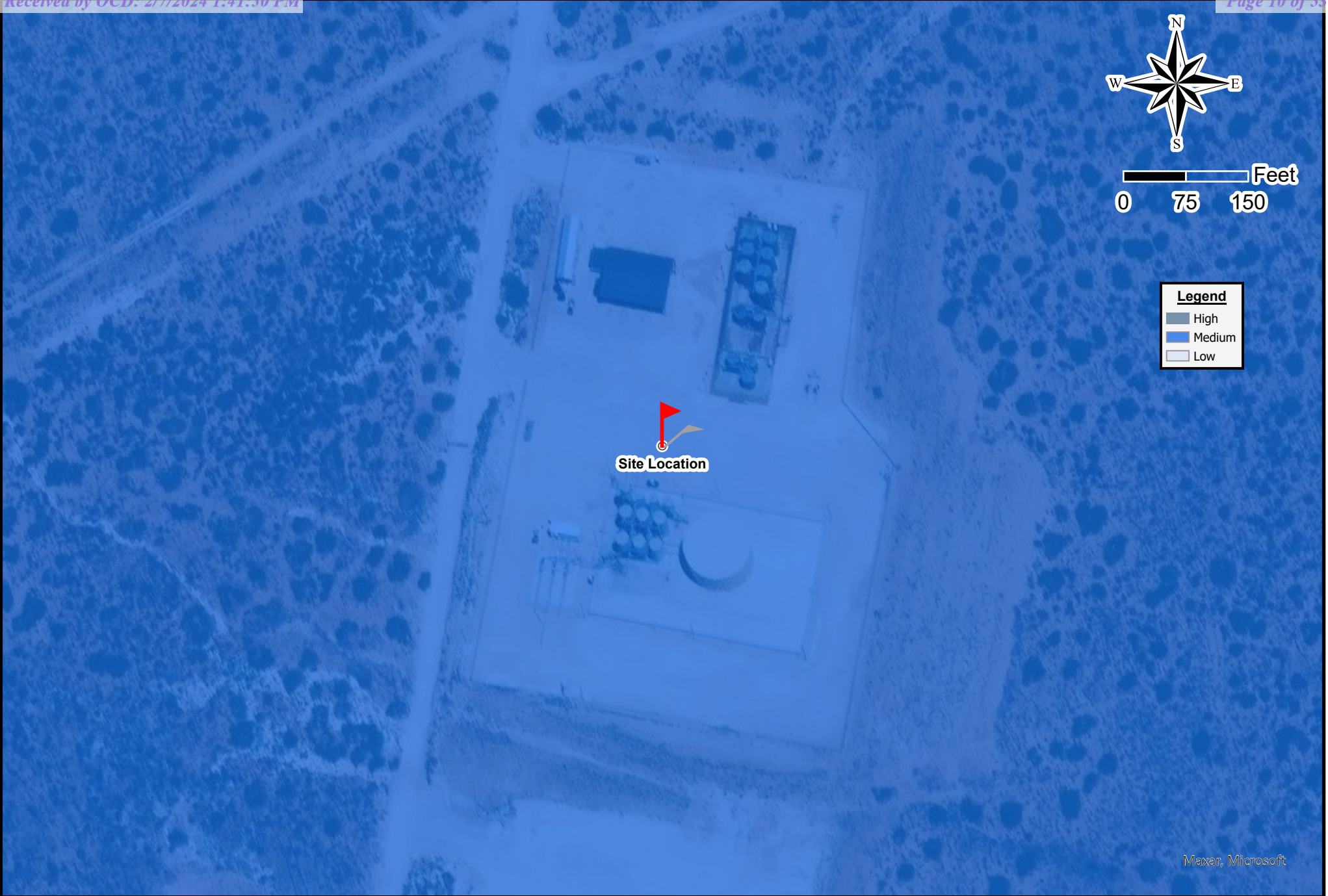


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Drafted: 1/25/2024
1 in = 5,000 ft
Drafted By: IJR

Shinnery Oak SWD #003
Matador Resources
Eddy County, NM
Topographic Map



Maxar, Microsoft



Drafted: 1/25/2024
1 in = 150 ft
Drafted By: IJR

Shinnery Oak SWD #003
Matador Resources
Eddy County, NM
Karst Map



Appendix II

Analytical Data Tables

Table 1

Soil Samples
Incident # NAPP2318374902

Shinnery Oak SWD #3									
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	1/15/2024	0-6"	ND	ND	ND	ND	ND	-	67.1
S-2	1/15/2024	0-6"	ND	ND	ND	ND	ND	-	74.0
S-3	1/15/2024	0-6"	ND	ND	ND	ND	ND	-	56.8
S-4	1/15/2024	0-6"	ND	ND	ND	ND	ND	-	56.2

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



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 01905 POD1		CP	ED	1	4	1	02	21S	28E	588251	3598010	557	210	160	50
C_03266 POD1		CUB	ED	3	4	4	04	21S	28E	585844	3596555*	2400	260	80	180

Average Depth to Water: **120 feet**

Minimum Depth: **80 feet**

Maximum Depth: **160 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 588055.42

Northing (Y): 3597488.24

Radius: 3000

*UTM location was derived from PLSS - see Help

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

1/22/24 3:18 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
21003	CP 01905 POD1	1	4	1	02	21S	28E	588251	3598010

Driller License: 1753 **Driller Company:** VANGUARD WELL RESOURCES, LLC
Driller Name: FRIESSEN, JACOBONTEE.NER
Drill Start Date: 04/07/2022 **Drill Finish Date:** 04/08/2022 **Plug Date:**
Log File Date: 04/26/2022 **PCW Rev Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 5 GPM
Casing Size: 5.00 **Depth Well:** 210 feet **Depth Water:** 160 feet

Water Bearing Stratifications:

Top	Bottom	Description
163	194	Other/Unknown

Casing Perforations:

Top	Bottom
170	210

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.

1/22/24 3:20 PM

POINT OF DIVERSION SUMMARY


Custom Soil Resource Report Soil Map




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: 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.

Custom Soil Resource Report

Eddy Area, New Mexico**BB—Berino complex, 0 to 3 percent slopes, eroded****Map Unit Setting***National map unit symbol:* 1w43*Elevation:* 2,000 to 5,700 feet*Mean annual precipitation:* 5 to 15 inches*Mean annual air temperature:* 57 to 70 degrees F*Frost-free period:* 180 to 260 days*Farmland classification:* Not prime farmland**Map Unit Composition***Berino and similar soils:* 60 percent*Pajarito and similar soils:* 25 percent*Minor components:* 15 percent*Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Berino****Setting***Landform:* Plains, fan piedmonts*Landform position (three-dimensional):* Riser*Down-slope shape:* Convex*Across-slope shape:* Linear*Parent material:* Mixed alluvium and/or eolian sands**Typical profile***H1 - 0 to 17 inches:* fine sand*H2 - 17 to 58 inches:* sandy clay loam*H3 - 58 to 60 inches:* loamy sand**Properties and qualities***Slope:* 0 to 3 percent*Depth to restrictive feature:* More than 80 inches*Drainage class:* Well drained*Runoff class:* Low*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high
(0.60 to 2.00 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None*Calcium carbonate, maximum content:* 40 percent*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)*Sodium adsorption ratio, maximum:* 1.0*Available water supply, 0 to 60 inches:* Moderate (about 8.0 inches)**Interpretive groups***Land capability classification (irrigated):* None specified*Land capability classification (nonirrigated):* 7e*Hydrologic Soil Group:* B*Ecological site:* R070BD003NM - Loamy Sand*Hydric soil rating:* No

Custom Soil Resource Report

Description of Pajarito**Setting**

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components**Wink**

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Custom Soil Resource Report

CA—Cacique loamy sand, 0 to 3 percent slopes, eroded**Map Unit Setting**

National map unit symbol: 1w46
Elevation: 3,000 to 5,500 feet
Mean annual precipitation: 7 to 14 inches
Mean annual air temperature: 57 to 68 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Cacique and similar soils: 97 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cacique**Setting**

Landform: Plains, basin floors
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 5 inches: loamy sand
H2 - 5 to 24 inches: sandy clay loam
H3 - 24 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 3.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Custom Soil Resource Report

Minor Components

Berino

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent

Hydric soil rating: No

Berino

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No



Appendix IV

Photographic Documentation



Shinnery Oak SWD #003
Eddy County, NM



Photograph No.1 Description:

Liner inspection.



Photograph No.2 Description:

Liner inspection.



Photograph No.3 Description:

Liner inspection.



Photograph No.4 Description:

Liner inspection.



Shinnery Oak SWD #003
Eddy County, NM



Photograph No.5 Description:

Liner inspection.



Photograph No.6 Description:

Liner inspection.



Photograph No.7 Description:

Samples taken around surface crack.



Appendix V

Correspondence

From: [Nathaniel Rose](#)
To: [Chad Hensley](#)
Subject: Fwd: [EXTERNAL] Liner Inspections
Date: Monday, July 17, 2023 11:38:02 AM
Attachments: [image002.png](#)
[image003.png](#)

Get [Outlook for iOS](#)

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, July 13, 2023 8:14:25 AM
To: Nathaniel Rose <nrose@talonlpe.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Liner Inspections

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

Nathaniel,

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.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Nathaniel Rose <nrose@talonlpe.com>
Sent: Wednesday, July 12, 2023 4:23 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Chad Hensley <chensley@talonlpe.com>
Subject: [EXTERNAL] Liner Inspections

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

Talon on behalf of Matador with be conducting a liner inspection on 7/17/2023 at 10am

Name: Shinnery Oak SWD #003

API: 30-015-45535

Lat and Long: 32.5112091,-104.062541

Nathaniel Rose

Enviromental Technician I

Office: 575.746.8768 x

Cell:

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.

Matthew Gomez

From: Chad Hensley
Sent: Tuesday, January 23, 2024 8:39 AM
To: Matthew Gomez
Subject: FW: [EXTERNAL] San Mateo Stebbins Water Management, LLC Shinnery Oaks SWD CTB

Chad Hensley

Senior Environmental Project Manager

2023 Core Value Champion

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



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From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, January 16, 2024 9:34 AM
To: Chad Hensley <chensley@talonlpe.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] San Mateo Stebbins Water Management, LLC Shinnery Oaks SWD CTB

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Good morning Chad,

The extension to resubmit a closure report has been granted until 2/15/2024.

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: Monday, January 15, 2024 9:33 AM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] San Mateo Stebbins Water Management, LLC Shinnery Oaks SWD CTB

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

Mr. Bratcher,

Below is the summary of Shinnery Oaks meeting on 24/12/1. If you have any questions feel free to contact us and we will assist with your concerns.

- Four (4) Samples will be taken 0-6 inches bgs. outside in close proximity of the identified surface cracked called out by New Mexico Oil Conservation Division (NMOCD) Regulator Shelly Wells.
- Surface Crack noted in inspection picture will be made water proof by an San Mateo representative with an approved sealant.
- 30 day Extension (24/2/5) requested to perform task set forth by NMOCD incident supervisor.

Best regards,

Chad Hensley

Senior Environmental Project Manager

2023 Core Value Champion

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

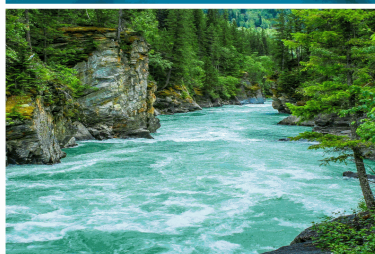
At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.



Appendix VI

Laboratory Reports

Report to:
Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name: Shinnery Oak SWD

Work Order: E401088

Job Number: 23052-0001

Received: 1/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/19/24

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: 1/19/24

Chad Hensley
408 W Texas Ave
Artesia, NM 88210



Project Name: Shinnery Oak SWD
Workorder: E401088
Date Received: 1/18/2024 6:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/18/2024 6:00:00AM, under the Project Name: Shinnery Oak SWD.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Golzaes
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Talon LPE	Project Name:	Shinnery Oak SWD	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	01/19/24 14:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 0-6"	E401088-01A	Soil	01/15/24	01/18/24	Glass Jar, 2 oz.
S-2 0-6"	E401088-02A	Soil	01/15/24	01/18/24	Glass Jar, 2 oz.
S-3 0-6"	E401088-03A	Soil	01/15/24	01/18/24	Glass Jar, 2 oz.
S-4 0-6"	E401088-04A	Soil	01/15/24	01/18/24	Glass Jar, 2 oz.



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Shinnery Oak SWD Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 1/19/2024 2:41:51PM
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S-1 0-6"

E401088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2403037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	91.0 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2403043	
Chloride	67.1	20.0	1	01/18/24	01/18/24	



Sample Data

Talon LPE	Project Name:	Shinnery Oak SWD	Reported: 1/19/2024 2:41:51PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-2 0-6"

E401088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID	96.7 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2403037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	92.3 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2403043	
Chloride	74.0	20.0	1	01/18/24	01/18/24	



Sample Data

Talon LPE	Project Name:	Shinnery Oak SWD	Reported: 1/19/2024 2:41:51PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-3 0-6"

E401088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2403037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	93.2 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2403043	
Chloride	56.8	20.0	1	01/18/24	01/18/24	



Sample Data

Talon LPE	Project Name:	Shinnery Oak SWD	Reported: 1/19/2024 2:41:51PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-4 0-6"

E401088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID	97.3 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2403039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2403037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	88.7 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2403043	
Chloride	56.2	20.0	1	01/18/24	01/18/24	



QC Summary Data

Talon LPE	Project Name:	Shinnery Oak SWD	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/19/2024 2:41:51PM

Volatile Organics by EPA 8021B

Analyst: RKS

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 (2403039-BLK1)

Prepared: 01/18/24 Analyzed: 01/18/24

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	7.62		8.00		95.3	70-130			

LCS (2403039-BS1)

Prepared: 01/18/24 Analyzed: 01/18/24

Benzene	4.90	0.0250	5.00		97.9	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.1	70-130			
Toluene	4.97	0.0250	5.00		99.5	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

Matrix Spike (2403039-MS1)

Source: E401086-04 Prepared: 01/18/24 Analyzed: 01/18/24

Benzene	4.91	0.0250	5.00	ND	98.3	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	5.00	0.0250	5.00	ND	99.9	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2403039-MSD1)

Source: E401086-04 Prepared: 01/18/24 Analyzed: 01/18/24

Benzene	4.97	0.0250	5.00	ND	99.3	54-133	1.10	20	
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133	1.27	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	0.919	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	1.20	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	1.11	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	1.14	20	
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			



QC Summary Data

Talon LPE	Project Name:	Shinnery Oak SWD	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/19/2024 2:41:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2403039-BLK1) Prepared: 01/18/24 Analyzed: 01/18/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		95.9	70-130			

LCS (2403039-BS2) Prepared: 01/18/24 Analyzed: 01/18/24

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			

Matrix Spike (2403039-MS2) Source: E401086-04 Prepared: 01/18/24 Analyzed: 01/18/24

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

Matrix Spike Dup (2403039-MSD2) Source: E401086-04 Prepared: 01/18/24 Analyzed: 01/18/24

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.5	70-130	4.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			



QC Summary Data

Talon LPE	Project Name:	Shinnery Oak SWD	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/19/2024 2:41:51PM

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 (2403037-BLK1) Prepared: 01/18/24 Analyzed: 01/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	50-200			

LCS (2403037-BS1) Prepared: 01/18/24 Analyzed: 01/18/24

Diesel Range Organics (C10-C28)	222	25.0	250		88.7	38-132			
Surrogate: n-Nonane	58.3		50.0		117	50-200			

Matrix Spike (2403037-MS1) Source: E401086-03 Prepared: 01/18/24 Analyzed: 01/18/24

Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike Dup (2403037-MSD1) Source: E401086-03 Prepared: 01/18/24 Analyzed: 01/18/24

Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.6	38-132	1.24	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			



QC Summary Data

Talon LPE	Project Name:	Shinnery Oak SWD	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/19/2024 2:41:51PM

Anions by EPA 300.0/9056A

Analyst: WF

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 (2403043-BLK1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Chloride	ND	20.0							
LCS (2403043-BS1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2403043-MS1)					Source: E401086-02		Prepared: 01/18/24 Analyzed: 01/18/24		
Chloride	276	20.0	250	25.6	100	80-120			
Matrix Spike Dup (2403043-MSD1)					Source: E401086-02		Prepared: 01/18/24 Analyzed: 01/18/24		
Chloride	278	20.0	250	25.6	101	80-120	0.494	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

Talon LPE	Project Name:	Shinnery Oak SWD	
408 W Texas Ave	Project Number:	23052-0001	Reported:
Artesia NM, 88210	Project Manager:	Chad Hensley	01/19/24 14:41

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Envirotech Analytical Laboratory

Printed: 1/18/2024 9:33:52AM

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:	Talon LPE	Date Received:	01/18/24 06:00	Work Order ID:	E401088
Phone:	(575) 746-8768	Date Logged In:	01/17/24 14:25	Logged In By:	Alexa Michaels
Email:	chensley@talonlpe.com	Due Date:	01/19/24 17:00 (1 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

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

Carrier:

Comments/ResolutionSample 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? No

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.



Appendix VII

Liner Integrity Certification

Liner Integrity Certification

The following serves to verify that the affected liner has been inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code.

Facility ID:

Date: 7/17/2023

Incident ID(s): NAPP2318374902

- ☒ Responsible Party has visually inspected the liner.
- ☒ Liner remains intact and was able to contain the leak in question.
- ☒ At least two business days' notice was given to the appropriate division district office before conducting the liner inspection.
- ☒ Photographs illustrating liner integrity are included.

Notes:



Nathan Rose

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 312233

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 312233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2318374902
Incident Name	NAPP2318374902 SHINNERY OAK SWD #003 @ 30-015-45535
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-45535] SHINNERY OAK SWD #003

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SHINNERY OAK SWD #003
Date Release Discovered	07/02/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 20 BBL Recovered: 20 BBL Lost: 0 BBL.
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.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

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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, Page 2

Action 312233

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	312233
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 02/07/2024
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QUESTIONS, Page 3

Action 312233

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	312233
	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 100 and 500 (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	Greater than 5 (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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Between 1 and 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 1 and 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
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	07/17/2023
On what date will (or did) the final sampling or liner inspection occur	07/17/2023
On what date will (or was) the remediation complete(d)	07/17/2023
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 312233

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 312233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 02/07/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 6

Action 312233

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	312233
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	312248
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	07/17/2023
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	42043

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	0
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: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 02/07/2024
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CONDITIONS

Action 312233

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 312233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	2/7/2024