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TALON LPE

Closure Report

Dagger-Merchant Livestock Incident
Lea County, New Mexico

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

November 28, 2023

NMOCD
506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Dagger-Merchant Livestock Incident
Lea County, New Mexico

To Whom It May Concern,

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

Site Information

The Dagger-Merchant Livestock Incident is located approximately 26.6 miles West of Eunice, New Mexico. The legal location for this release is Unit Letter F, Section 30, Township 21 South, and Range 33 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.450092 and -103.614153. A Site Location Map is presented in Appendix I.

Site Assessment Activities

On November 1, 2023, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was photographed, soil samples were collected utilizing a hand auger, and the area was mapped with a global navigation satellite system (GNSS) device.

All soil samples were properly packaged in laboratory provided glassware, preserved on ice, and transported with the chain of custody to the Envirotech, Inc., laboratory 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 8260B). The analytical results of this sampling event are presented below in Table 1. A Site Assessment map is presented in Appendix I.

Table 1

Site Assessment Laboratory Results

Matador Dagger									
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	11/1/2023	SURFACE	ND	ND	ND	ND	ND	-	60.7
S-2	11/1/2023	SURFACE	ND	ND	ND	ND	ND	-	43.6
S-3	11/1/2023	SURFACE	ND	ND	ND	ND	ND	-	151.0
S-4	11/1/2023	SURFACE	ND	ND	ND	ND	ND	-	71.2

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

As shown on the above data table, none of the analytical results were above NMOCD action level critera.

Closure

Based upon the completed remedial actions and confirmation sampling results, on behalf of Matador Resources, we respectfully request that no further actions be required and the incident closed.

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

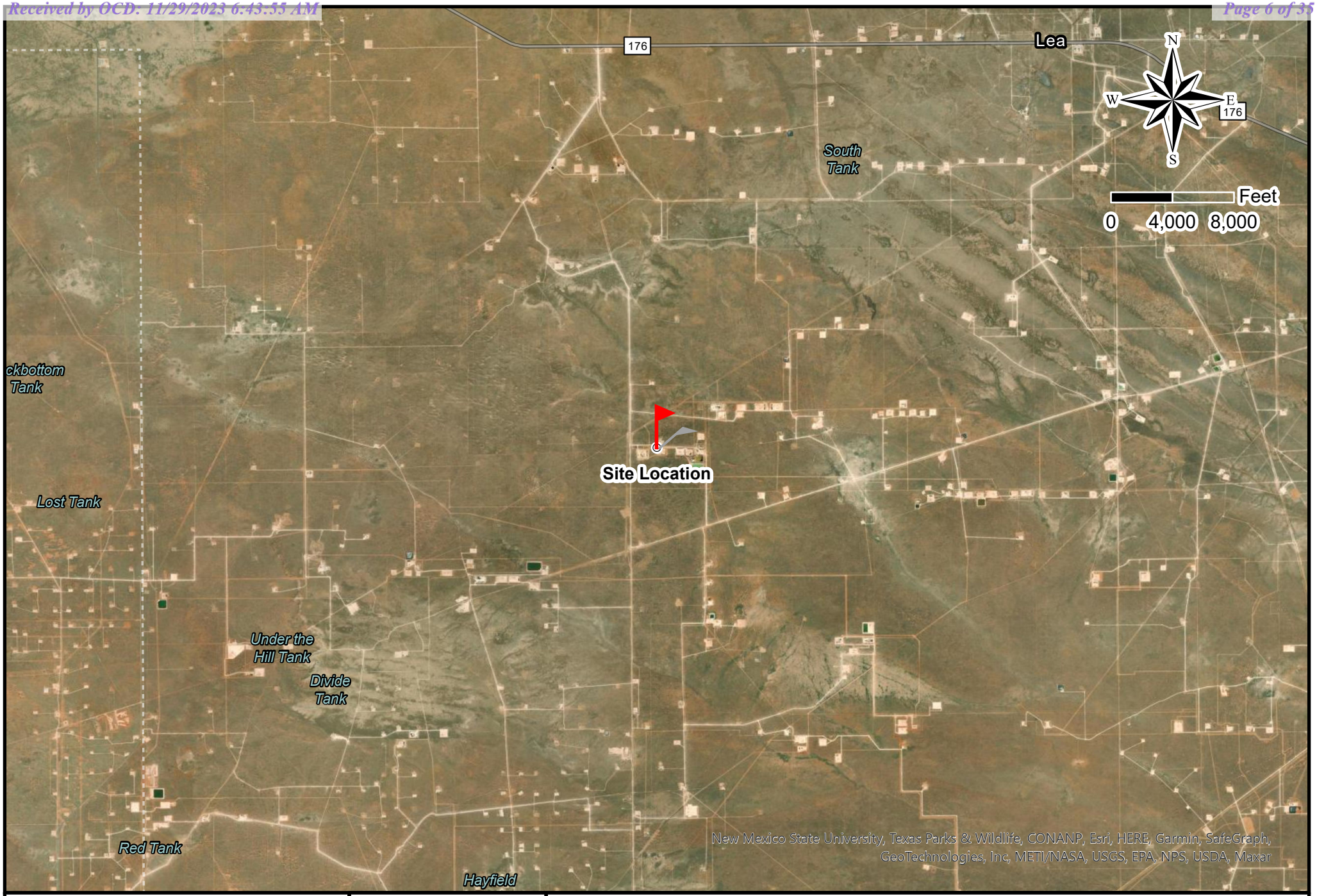
Chad Hensley
Senior Project Manager

Attachments:

Appendix I Site Maps
Appendix II Groundwater Data, Soil Survey, FEMA Flood Map
Appendix III C-141 Forms, NMOCD Correspondence
Appendix IV Photographic Documentation
Appendix V Laboratory Analytical Reports

Appendix I

Site Maps



TALON LPE

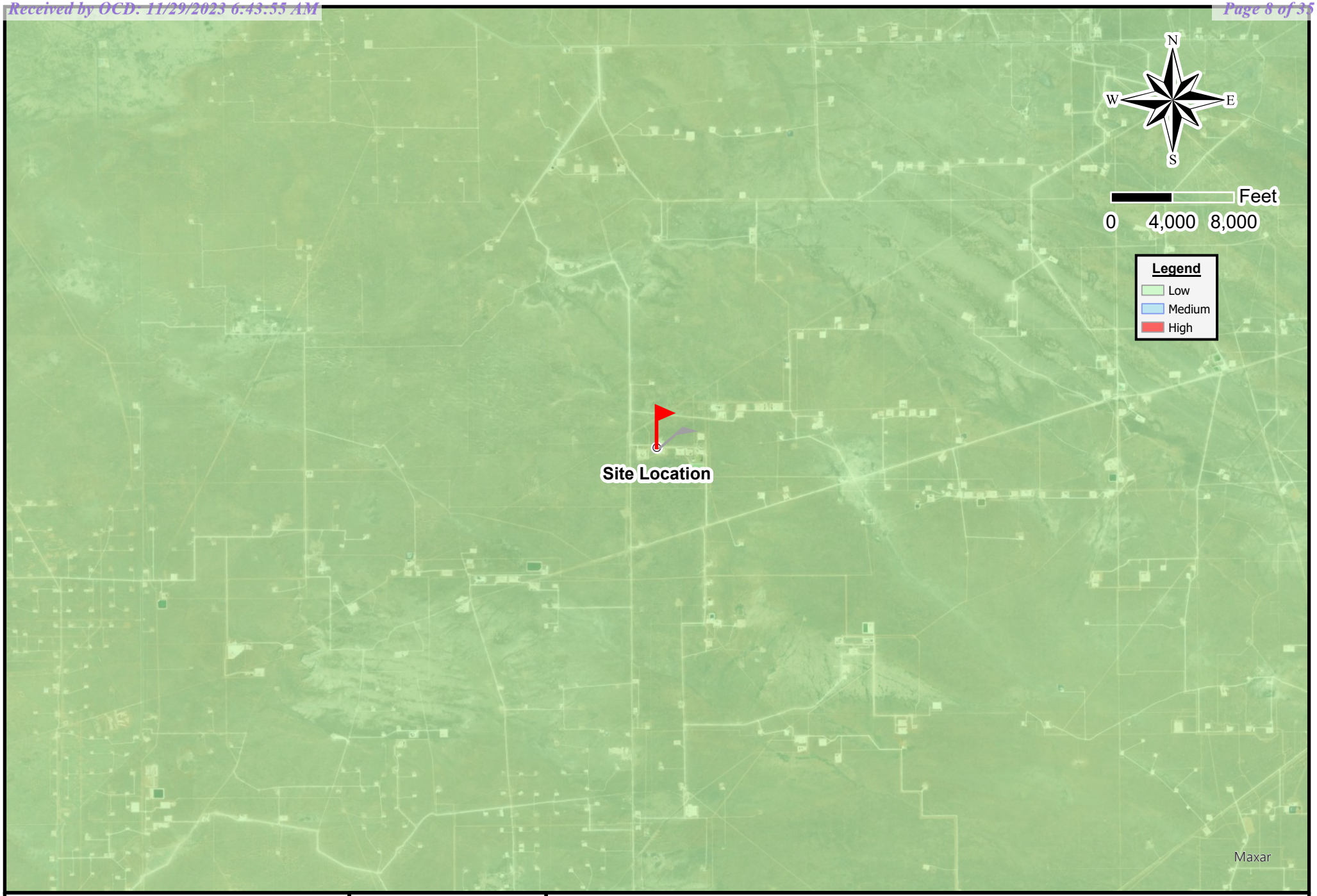
Drafted: 11/28/2023
1 in = 8,000 ft
Drafted By: JAI

Matador Resources
Dagger
Lea County, New Mexico
Location Map

TALON LPE

Drafted: 11/28/2023
1 in = 20 ft
Drafted By: JAI

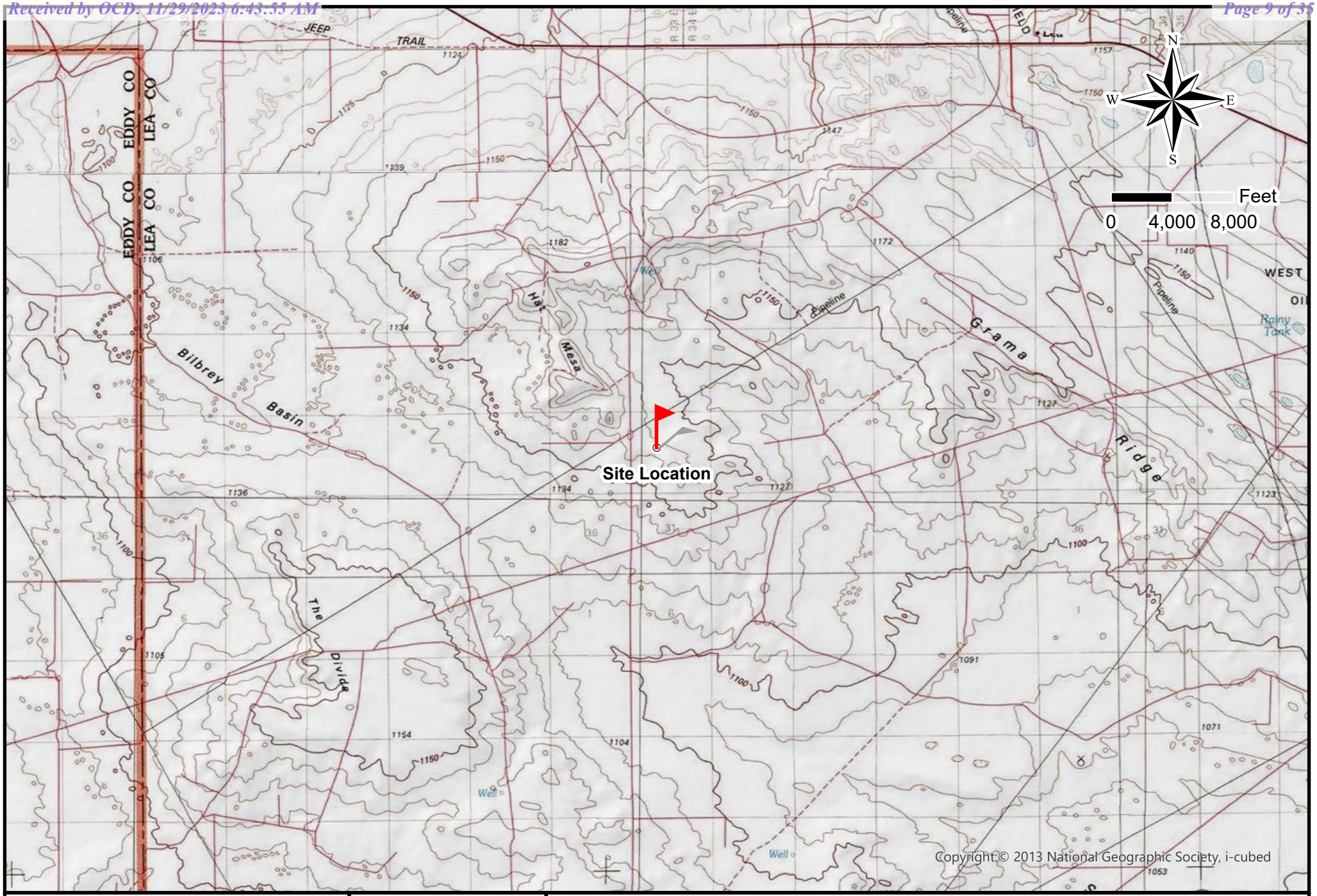
Matador Resources
Dagger
Lea County, New Mexico
Assessment Map



TALON LPE

Drafted: 11/28/2023
1 in = 8,000 ft
Drafted By: JAI

Matador Resources
Dagger
Lea County, New Mexico
Karst Map



TALON LPE

Drafted: 11/28/2023
1 in = 8,000 ft
Drafted By: JAI

Matador Resources
Dagger
Lea County, New Mexico
Topographic Map

Appendix II

Photographic Documentation

Photograph No.1 Description:

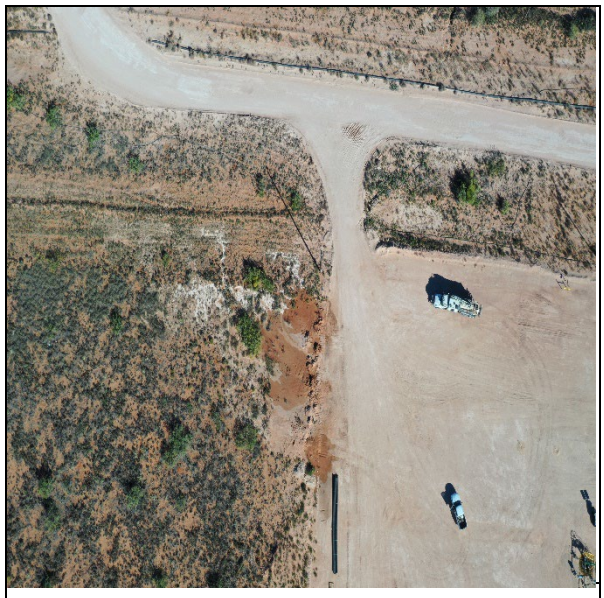
Hydro-Vac Operations on spill area.

Photograph No.2 Description:

Pasture view of release.

Photograph No.3 Description:

Location view of release.



Photograph No.4 Description:

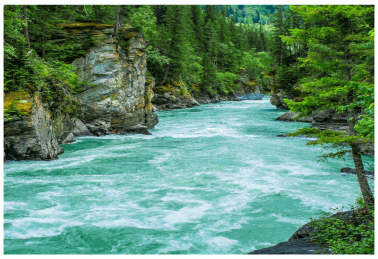
Ariel view of release.

Appendix III

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

Matador Resources, LLC.

Project Name:	Dagger
Work Order:	E311042
Job Number:	23052-0001
Received:	11/6/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/10/23

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: 11/10/23

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

Project Name: Dagger
Workorder: E311042
Date Received: 11/6/2023 8:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2023 8:30:00AM, under the Project Name: Dagger.

The analytical test results summarized in this report with the Project Name: Dagger 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 reguarding 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
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Cell: 775-287-1762
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/23 11:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 Surface	E311042-01A	Soil	11/01/23	11/06/23	Glass Jar, 2 oz.
S-2 Surface	E311042-02A	Soil	11/01/23	11/06/23	Glass Jar, 2 oz.
S-3 Surface	E311042-03A	Soil	11/01/23	11/06/23	Glass Jar, 2 oz.
S-4 Surface	E311042-04A	Soil	11/01/23	11/06/23	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dagger	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/2023 11:58:00AM

S-1 Surface

E311042-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Benzene	ND	0.0250	1	11/06/23	11/07/23	
Ethylbenzene	ND	0.0250	1	11/06/23	11/07/23	
Toluene	ND	0.0250	1	11/06/23	11/07/23	
o-Xylene	ND	0.0250	1	11/06/23	11/07/23	
p,m-Xylene	ND	0.0500	1	11/06/23	11/07/23	
Total Xylenes	ND	0.0250	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2345001
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/23	11/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/23	11/08/23	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*11/06/23*	*11/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2345047
Chloride	**60.7**	20.0	1	11/07/23	11/09/23	

Sample Data

Matador Resources, LLC.	Project Name:	Dagger	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/2023 11:58:00AM

S-2 Surface

E311042-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Benzene	ND	0.0250	1	11/06/23	11/07/23	
Ethylbenzene	ND	0.0250	1	11/06/23	11/07/23	
Toluene	ND	0.0250	1	11/06/23	11/07/23	
o-Xylene	ND	0.0250	1	11/06/23	11/07/23	
p,m-Xylene	ND	0.0500	1	11/06/23	11/07/23	
Total Xylenes	ND	0.0250	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2345001
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/23	11/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/23	11/08/23	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*11/06/23*	*11/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2345047
Chloride	**43.6**	20.0	1	11/07/23	11/09/23	

Sample Data

Matador Resources, LLC.	Project Name:	Dagger	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/2023 11:58:00AM

S-3 Surface

E311042-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Benzene	ND	0.0250	1	11/06/23	11/07/23	
Ethylbenzene	ND	0.0250	1	11/06/23	11/07/23	
Toluene	ND	0.0250	1	11/06/23	11/07/23	
o-Xylene	ND	0.0250	1	11/06/23	11/07/23	
p,m-Xylene	ND	0.0500	1	11/06/23	11/07/23	
Total Xylenes	ND	0.0250	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2345001
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/23	11/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/23	11/08/23	
Surrogate: n-Nonane		*79.2 %*	*50-200*	*11/06/23*	*11/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2345047
Chloride	**151**	20.0	1	11/07/23	11/09/23	

Sample Data

Matador Resources, LLC.	Project Name: Dagger	
5400 LBJ Freeway, Suite 1500	Project Number: 23052-0001	**Reported:**
Dallas TX, 75240	Project Manager: Chad Hensley	11/10/2023 11:58:00AM

nAPPnAPP2332456433245

S-4 Surface

E311042-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Benzene	ND	0.0250	1	11/06/23	11/07/23	
Ethylbenzene	ND	0.0250	1	11/06/23	11/07/23	
Toluene	ND	0.0250	1	11/06/23	11/07/23	
o-Xylene	ND	0.0250	1	11/06/23	11/07/23	
p,m-Xylene	ND	0.0500	1	11/06/23	11/07/23	
Total Xylenes	ND	0.0250	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2345016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/23	11/07/23	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/23*	*11/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/06/23*	*11/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2345001
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/23	11/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/23	11/08/23	
Surrogate: n-Nonane		*79.3 %*	*50-200*	*11/06/23*	*11/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2345047
Chloride	**71.2**	20.0	1	11/07/23	11/09/23	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/2023 11:58:00AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2345016-BLK1)									Prepared: 11/06/23 Analyzed: 11/07/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
LCS (2345016-BS1)									Prepared: 11/06/23 Analyzed: 11/07/23
Benzene	2.62	0.0250	2.50		105	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.52	0.0250	2.50		101	70-130			
p,m-Xylene	5.08	0.0500	5.00		102	70-130			
Total Xylenes	7.60	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			
Matrix Spike (2345016-MS1)				**Source: E311040-03**					Prepared: 11/06/23 Analyzed: 11/07/23
Benzene	2.62	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.59	0.0250	2.50	ND	104	45-135			
Toluene	2.65	0.0250	2.50	ND	106	48-130			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.07	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.59	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2345016-MSD1)				**Source: E311040-03**					Prepared: 11/06/23 Analyzed: 11/07/23
Benzene	2.63	0.0250	2.50	ND	105	48-131	0.439	23	
Ethylbenzene	2.64	0.0250	2.50	ND	106	45-135	1.80	27	
Toluene	2.70	0.0250	2.50	ND	108	48-130	1.96	24	
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	2.35	27	
p,m-Xylene	5.23	0.0500	5.00	ND	104	43-135	2.94	27	
Total Xylenes	7.81	0.0250	7.50	ND	104	43-135	2.75	27	
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/2023 11:58:00AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2345016-BLK1)									Prepared: 11/06/23 Analyzed: 11/07/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
LCS (2345016-BS2)									Prepared: 11/06/23 Analyzed: 11/07/23
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.556*		*0.500*		*111*	*70-130*			
Matrix Spike (2345016-MS2)				**Source: E311040-03**					Prepared: 11/06/23 Analyzed: 11/07/23
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.556*		*0.500*		*111*	*70-130*			
Matrix Spike Dup (2345016-MSD2)				**Source: E311040-03**					Prepared: 11/06/23 Analyzed: 11/07/23
Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	ND	112	70-130	0.410	20	
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/2023 11:58:00AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2345001-BLK1)									Prepared: 11/06/23 Analyzed: 11/07/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*40.8*		*50.0*		*81.5*	*50-200*			
LCS (2345001-BS1)									Prepared: 11/06/23 Analyzed: 11/07/23
Diesel Range Organics (C10-C28)	199	25.0	250		79.4	38-132			
Surrogate: n-Nonane	*40.7*		*50.0*		*81.4*	*50-200*			
Matrix Spike (2345001-MS1)				**Source: E311040-03**					Prepared: 11/06/23 Analyzed: 11/07/23
Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.4	38-132			
Surrogate: n-Nonane	*42.2*		*50.0*		*84.4*	*50-200*			
Matrix Spike Dup (2345001-MSD1)				**Source: E311040-03**					Prepared: 11/06/23 Analyzed: 11/07/23
Diesel Range Organics (C10-C28)	207	25.0	250	ND	82.9	38-132	1.81	20	
Surrogate: n-Nonane	*34.5*		*50.0*		*69.0*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger
5400 LBJ Freeway, Suite 1500	Project Number:	nAPP2332450264
Dallas TX, 75240	Project Manager:	Chad Hensley

Reported:
11/10/2023 11:58:00AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2345047-BLK1)									Prepared: 11/07/23 Analyzed: 11/09/23
Chloride	ND	20.0							
LCS (2345047-BS1)									Prepared: 11/07/23 Analyzed: 11/09/23
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2345047-MS1)				**Source: E311038-04**					Prepared: 11/07/23 Analyzed: 11/09/23
Chloride	279	200	250	ND	112	80-120			
Matrix Spike Dup (2345047-MSD1)				**Source: E311038-04**					Prepared: 11/07/23 Analyzed: 11/09/23
Chloride	274	200	250	ND	109	80-120	2.12	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	nAPP nAP P2332456433245264	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/10/23 11:58

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.

Project Information | Chain of Custody | Page 1 of 1

Client:	Matador
Project:	Dagger
Project Manager:	C. Hensley
Address:	408 W Texas
City, State, Zip	Artesia NM, 88210
Phone:	575-746-8768
Email:	nrose@TalonLPE.com
Report due by:	

Bill To

Attention:	Talon/LPE
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO# E 311042 | Job Number 23052-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
1421	11-1-23	Soil	1	S-1 Surface	1	X	X	X			X			
1425				S-2	2									
1429				S-3	3									
1438				S-4	4									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-1-23		Michelle Garcia	11-3-23	1700
Michelle Garcia	11-3-23	1730		11-3-23	1830
	11-3-23	2400	Raine Lenning	11/6/23	8:30

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

nAPPnAPP2332456433245026[illegible]

Printed: 11/6/2023 11:52:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/06/23 08:30	Work Order ID:	E311042
Phone:	(972) 371-5200	Date Logged In:	11/03/23 16:37	Logged In By:	Lacey Rodgers
Email:		Due Date:	11/10/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
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 filteration 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 IV

C-141 Forms

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2332450264
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Matador Resources	OGRID	228937
Contact Name	Clinton Talley	Contact Telephone	337-319-8398
Contact email	clinton.talley@matadorresources.com	Incident # *(assigned by OCD)*	nAPP2332450264
Contact mailing address	5347 N. 26th Street 2nd Floor, Artesia, NM 88210		

Location of Release Source

Latitude 32.450529 Longitude -103.614138
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Dagger State Com 510/304/554	Site Type	other
Date Release Discovered	10/27/23	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
L	30	21S	33E	Lea

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

Nature and Volume of Release

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

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

Cause of Release

A hydrovac released fresh water with soil "cuttings" and the landowner requested it is reported.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2332450264
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: Clinton Talley Title: EHS Supervisor

Signature: Clint Talley Date: 11/29/2023

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

OCD Only

Received by: Shelly Wells Date: 11/29/2023

State of New Mexico
Oil Conservation Division

Type text here

Incident ID	nAPP2332450264
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2332450264
District RP	
Facility ID	
Application ID	

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

Printed Name: Clinton Talley Title: EHS Supervisor

Signature: Clint Talley Date: 11/29/2023

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

OCD Only

Received by: Shelly Wells Date: 11/29/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2332450264
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: Clinton Talley Title: EHS Supervisor

Signature: Clint Talley Date: 11/29/2023

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

OCD Only

Received by: Shelly Wells Date: 11/29/2023

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

Closure Approved by: Nelson Velez Date: 03/12/2024

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

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

COMMENTS

Action 289218

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 289218
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
csmith	Returned to OCD Review, Reviewer Attached wrong Document.	3/12/2024

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

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

CONDITIONS

Action 289218

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 289218
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC. Release resolved.	3/12/2024