ENSOLUM

July 9, 2024

New Mexico Energy Minerals and Natural Resources Department
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Closure Request
Kingfisher 5H Well Pad
Incident Number nAPP2410540758
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Kingfisher 5H Well Pad (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2410540758.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 23, Township 18 South, Range 34 East, in Lea County, New Mexico (32.72696°, -103.52566°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 13, 2024, an underground pipeline failed, resulting in the release of approximately 10 barrels (bbls) of crude oil onto the pad. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal April 14, 2024. The release was assigned Incident Number nAPP2410540758. The Form C-141 can be referenced on the NMOCD web portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, L-13665 POD1, located approximately 0.91 miles east of the Site. The well had a reported depth to groundwater of 158 feet below ground surface (bgs) and a total depth of 188 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower

groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a wetland area, located approximately 508 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

On April 14, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Four preliminary assessment soil samples (SS01 through SS04) were collected around the release extent at ground surface to assess the lateral extent of the release. The preliminary assessment soil samples were field screened for chloride and TPH utilizing the Mohr method titration and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

DELINEATION SOIL SAMPLING ACTIVITIES

On April 25, 2024, Ensolum personnel were at the Site to oversee vertical delineation sampling activities. One borehole (BH01) was advanced via shovel and pickaxe within the release extent to a terminal depth of 1.5 feet bgs. A single discrete delineation soil sample was collected from the borehole at a terminal depth of 1.5 feet bgs. Ensolum personnel hit refusal at a depth of 1.5 feet bgs due to a layer of well indurated caliche. Field observations for the borehole were logged on a lithologic/soil sampling log, which is included in Appendix C. Borehole (BH01) is depicted on Figure 2.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil sample BH01, collected at 1.5 feet bgs, indicated concentrations of BTEX and Total TPH exceeded the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix D.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITES

Beginning on June 11, 2024, impacted soil was excavated from the release extent as indicated by visible staining, field screening activities, and laboratory analytical results from the delineation soil sample. Excavation activities were completed utilizing a backhoe, with hydraulic hammer attachment, hand digging, and transport vehicles. The excavation occurred on the southeast side of the wellhead above a the failed underground pipeline. To direct excavation activities, Ensolum personnel screened soils for chloride and TPH as previously described.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the scrape. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 and FS02) were collected from the floor of the excavation at depths of 6.5 feet bgs and 7 feet bgs, respectively. Composite sidewall soil samples (SW01 through SW03) were collected from the sidewalls of the excavation at depths ranging from ground surface to 7 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 328 square feet. A total of approximately 140 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor soil samples (FS01 and FS02) as well as sidewall samples (SW01 through SW03) indicated all COC concentrations were compliant with the Site Closure Criteria and with the reclamation requirement. Excavation floor samples (FS01 and FS02) were compliant with the Site Closure Criteria at 6.5 feet bgs and 7 feet bgs, respectively. Sidewall samples (SW01 through SW03) were compliant with the Site Closure Criteria at depths ranging from ground surface to 7 feet bgs. Laboratory analytical results are summarized in Table 2 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the April 2024 release of crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be 158 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2410540758.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely,
Ensolum, LLC

Ashley Giovengo
Senior Scientist

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Soil Samples)
Appendix A	Well Log and Record
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence

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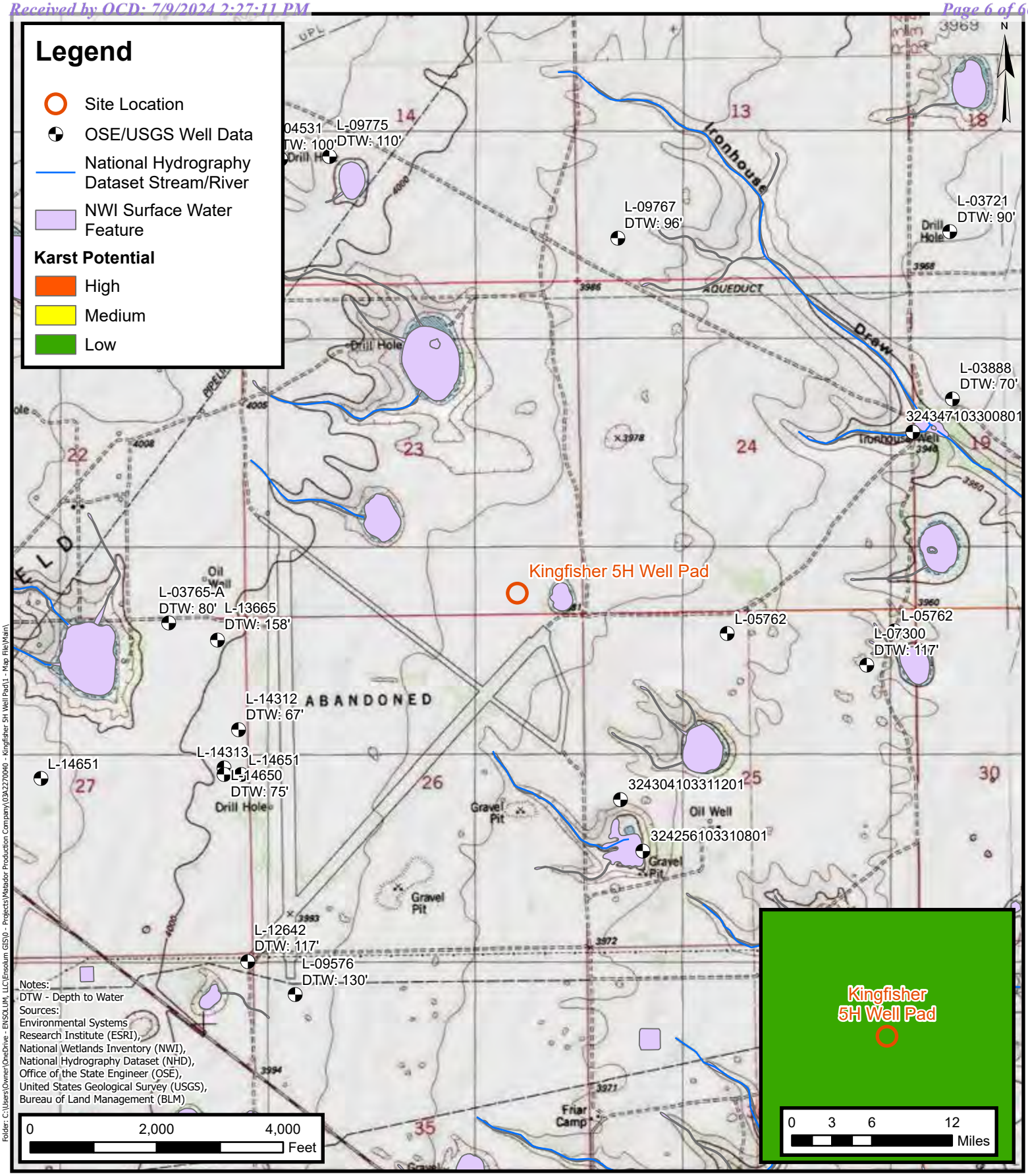
FIGURES



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\038A2270040 - Kingfisher 5H Well Pad\1 - Map File\Main\

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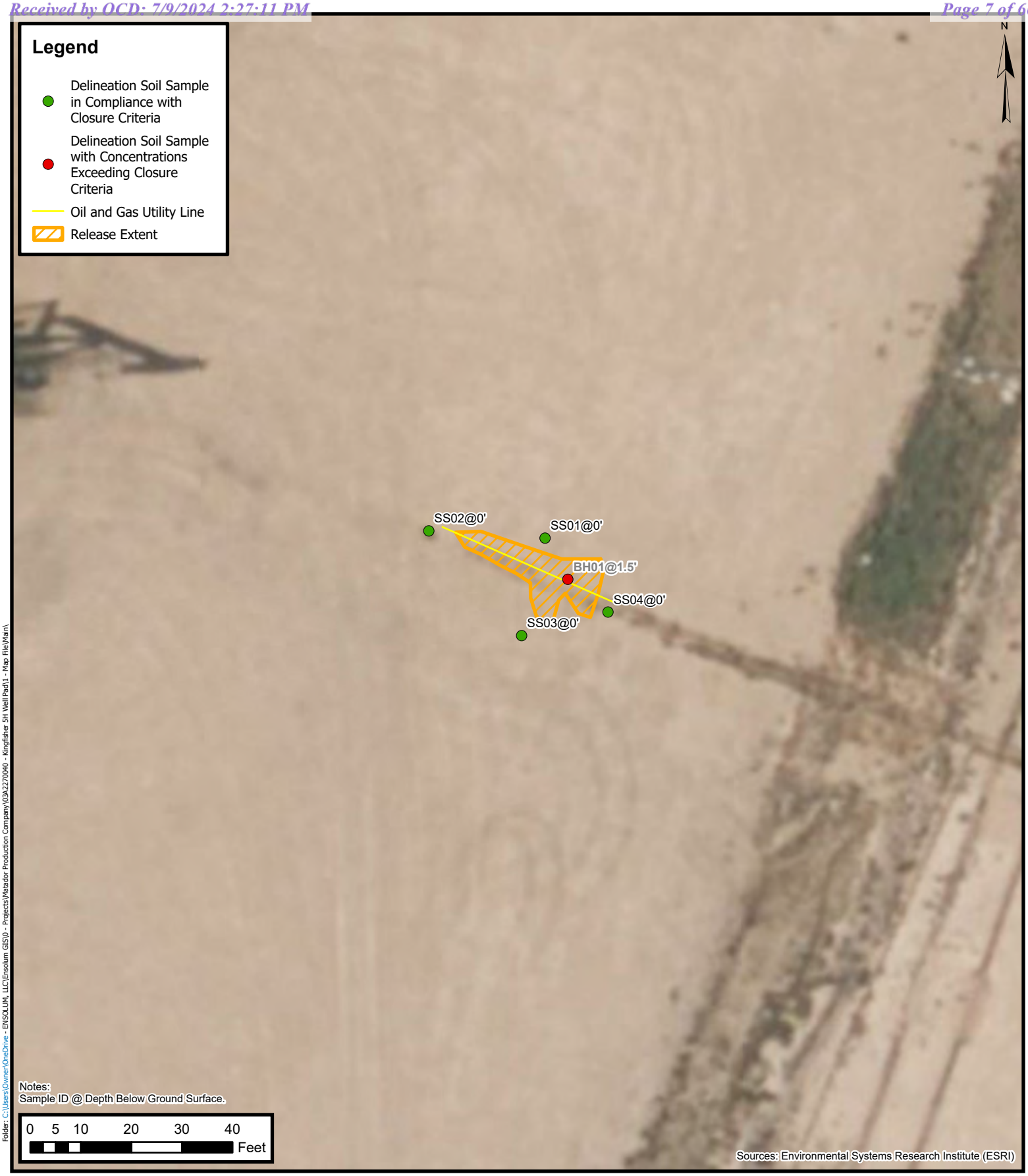
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Matador Production Company
Kingfisher 5H Well Pad
Incident Number: nAPP2410540758
Unit P, Section 23, T 18S, R 34E
Lea County, New Mexico

FIGURE 1



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\03A2270040 - Kingfisher 5H Well Pad\1 - Map File\Main\

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Delineation Soil Sample Locations

Matador Production Company
Kingfisher 5H Well Pad
Incident Number: nAPP2410540758
Unit P, Section 23, T 18S, R 34E
Lea County, New Mexico

FIGURE 2

Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\03A2270040 - Kingfisher 5H Well Pad\1 - Map File\Main\

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Excavation Soil Sample Locations

Matador Production Company
Kingfisher 5H Well Pad
Incident Number: nAPP2410540758
Unit P, Section 23, T 18S, R 34E
Lea County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Kingfisher 5H Well Pad
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
SS01	4/25/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	121
SS02	4/25/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	35.9
SS03	4/25/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	36
SS04	4/25/2024	0	<0.0250	<0.0272	<20.0	<25.0	<50.0	<20.0	<20.0	108
BH01	4/25/2024	1.5	**64.7**	**395.1**	1,510	35,500	13,300	**37,010**	**50,310**	**23,200**

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*

** Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.*

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Kingfisher 5H Well Pad
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS01	6/18/2024	6.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	337
FS02	6/18/2024	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	33.9
Sidewall Soil Samples										
SW01	6/18/2024	0-6.5	<0.0250	<0.0272	<20.0	<25.0	<50.0	<20.0	<20.0	164
SW02	6/18/2024	0-7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	105
SW03	6/18/2024	0-7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	156

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*

** Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.*

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APPENDIX A

Well Log and Record

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

Well #5

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER): Pod-1-Expl	OSE FILE NUMBER(S): L-13665
WELL OWNER NAME(S): Pearce Trust Ricky Pearce	PHONE (OPTIONAL): 1-575-398-2356
WELL OWNER MAILING ADDRESS: 26 Collier-Lw-R	CITY: Tatum STATE: N.M. ZIP: 88267

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	43	30.4	N
LONGITUDE	103	32	28.1	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
SW ¼	NE ¼	NE ¼	NE ¼	27	18 ☐ NORTH ☒ SOUTH	34 ☒ EAST ☐ WEST

SUBDIVISION NAME | LOT NUMBER | BLOCK NUMBER | UNIT/TRACT

HYDROGRAPHIC SURVEY | MAP NUMBER | TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
W.D.1682	John Norris	Sandy Land Drilling

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
9-6-14	9-7-14	188'	188'	158-178

STATIC WATER LEVEL IN COMPLETED WELL (FT): 158'

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)

DRILLING FLUID: ☐ AIR ☒ MUD ☐ ADDITIVES – SPECIFY:

DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	188'	22"	Steel	Welded	12"	.250	1/8"

4. WATER-BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)
158	178	20'	Sand	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA | TOTAL ESTIMATED WELL YIELD (GPM)

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER L-13665 | POD NUMBER Pod-1-Expl | TRN NUMBER 55158

LOCATION 18S.34E.27.222 | PAGE 1 OF 2

Well #5

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED ☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	0	20'	22"	Cement	1½ yds	Pumped

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	1'	1'	Top Soil	☐ YES ☒ NO
1'	35'	34'	Caliche	☐ YES ☒ NO
35	66'	31'	Sand	☐ YES ☒ NO
66'	74'	8'	Rock	☐ YES ☒ NO
74	126'	52'	Sand	☐ YES ☒ NO
126	158'	33'	Sandy clay	☐ YES ☒ NO
158	178	20'	Sand	☒ YES ☐ NO
178	188'	10'	Red clay	☐ YES ☒ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST — METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY:

TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

ADDITIONAL STATEMENTS OR EXPLANATIONS:

8. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

John Morris JOHN MORRIS

SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	C-13665	POD NUMBER	1	TRN NUMBER	55158
LOCATION	18S.34E.17 222			PAGE 2 OF 2	

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APPENDIX B

Photographic Log

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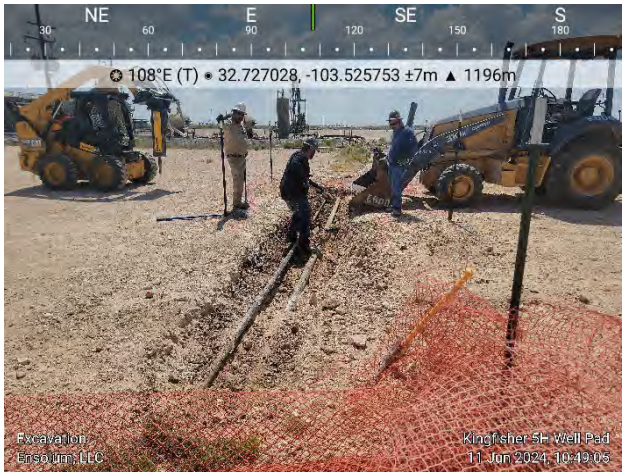
Photographic Log
Matador Production Company
Kingfisher 5H Well Pad
nAPP2410540758

Photograph 1 Date: 4/14/2024
Description: Release area
View: West

Photograph 2 Date: 4/24/2024
Description: Delineation
View: Northwest



Photograph 3 Date: 6/11/2024
Description: Hand digging
View: East

Photograph 4 Date: 6/11/2024
Description: Excavation
View: Southeast

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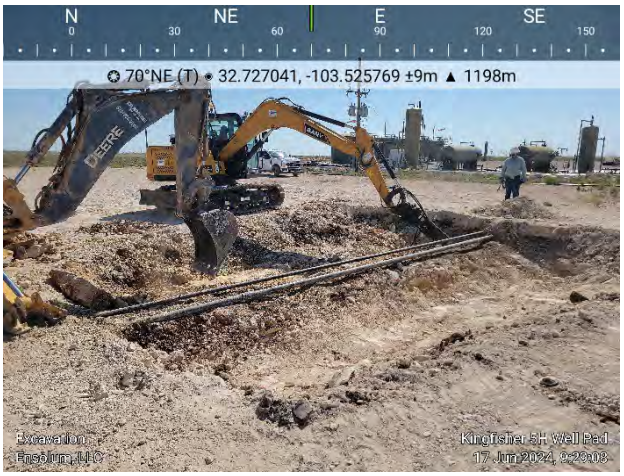
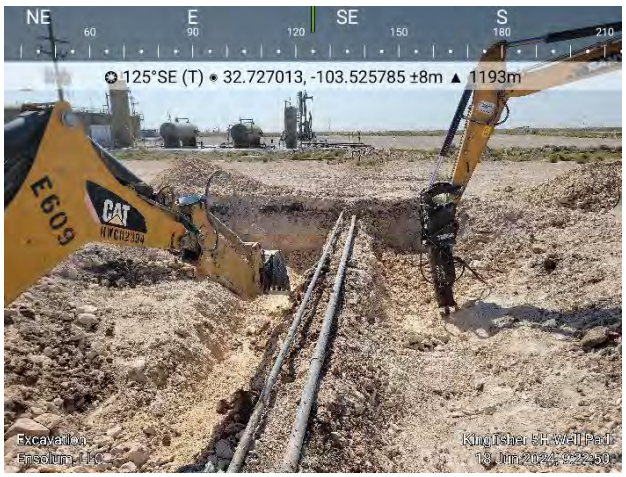
Photographic Log
Matador Production Company
Kingfisher 5H Well Pad
nAPP2410540758

Photograph 5 Date: 6/12/2024
Description: Excavation
View: Southeast



Photograph 6 Date: 6/17/2024
Description: Excavation
View: East



Photograph 7 Date: 6/18/2024
Description: Excavation
View: Southeast

Photograph 8 Date: 6/18/2024
Description: Excavation
View: Southeast

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APPENDIX C

Lithologic Soil Sampling Logs

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	Sample Name: BH01	Date: 4/14/2024
	Site Name: Kingfisher 5H Well Pad	
	Incident Number: nAPP2410540758	
	Job Number: 03A2270040	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Cole Burton	Method: Shovel
Coordinates: 32.72697, -103.52565	Hole Diameter: 1'	Total Depth: 1.5'
Comments: Hit refusal at 1.5' due to indurrated caliche		

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	CCHE	Caliche - Tan, staining, odor
						1		
Y			Y	BH01	1.5	1.5	CCHE	Solid indurrated caliche - Staining, odor

Total Depth = 1.5' bgs

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APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo

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:	Kingfisher 5H Well Pad
Work Order:	E404275
Job Number:	23003-0002
Received:	4/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/1/24

Date Reported: 5/1/24

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Kingfisher 5H Well Pad
Workorder: E404275
Date Received: 4/29/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/29/2024 7:45:00AM, under the Project Name: Kingfisher 5H Well Pad.

The analytical test results summarized in this report with the Project Name: Kingfisher 5H Well Pad 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
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
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/01/24 11:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E404275-01A	Soil	04/25/24	04/29/24	Glass Jar, 2 oz.
SS02-0'	E404275-02A	Soil	04/25/24	04/29/24	Glass Jar, 2 oz.
SS03-0'	E404275-03A	Soil	04/25/24	04/29/24	Glass Jar, 2 oz.
SS04-0'	E404275-04A	Soil	04/25/24	04/29/24	Glass Jar, 2 oz.
BH01-1.5'	E404275-05A	Soil	04/25/24	04/29/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

SS01-0'

E404275-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Benzene	ND	0.0250	1	04/29/24	04/30/24	
Ethylbenzene	ND	0.0250	1	04/29/24	04/30/24	
Toluene	ND	0.0250	1	04/29/24	04/30/24	
o-Xylene	ND	0.0250	1	04/29/24	04/30/24	
p,m-Xylene	ND	0.0500	1	04/29/24	04/30/24	
Total Xylenes	ND	0.0250	1	04/29/24	04/30/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/24	04/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/24	04/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/24	04/30/24	
Surrogate: n-Nonane		*66.9 %*	*50-200*	*04/29/24*	*04/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2418031
Chloride	**121**	20.0	1	04/29/24	04/29/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

SS02-0'

E404275-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Benzene	ND	0.0250	1	04/29/24	04/30/24	
Ethylbenzene	ND	0.0250	1	04/29/24	04/30/24	
Toluene	ND	0.0250	1	04/29/24	04/30/24	
o-Xylene	ND	0.0250	1	04/29/24	04/30/24	
p,m-Xylene	ND	0.0500	1	04/29/24	04/30/24	
Total Xylenes	ND	0.0250	1	04/29/24	04/30/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/24	04/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/24	04/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/24	04/30/24	
Surrogate: n-Nonane		*72.4 %*	*50-200*	*04/29/24*	*04/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2418031
Chloride	**35.9**	20.0	1	04/29/24	04/29/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

SS03-0'

E404275-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Benzene	ND	0.0250	1	04/29/24	04/30/24	
Ethylbenzene	ND	0.0250	1	04/29/24	04/30/24	
Toluene	ND	0.0250	1	04/29/24	04/30/24	
o-Xylene	ND	0.0250	1	04/29/24	04/30/24	
p,m-Xylene	ND	0.0500	1	04/29/24	04/30/24	
Total Xylenes	ND	0.0250	1	04/29/24	04/30/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/24	04/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/24	04/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/24	04/30/24	
Surrogate: n-Nonane		*73.0 %*	*50-200*	*04/29/24*	*04/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2418031
Chloride	**36.0**	20.0	1	04/29/24	04/29/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

SS04-0'

E404275-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Benzene	ND	0.0250	1	04/29/24	04/30/24	
Ethylbenzene	ND	0.0250	1	04/29/24	04/30/24	
Toluene	**0.0272**	0.0250	1	04/29/24	04/30/24	
o-Xylene	ND	0.0250	1	04/29/24	04/30/24	
p,m-Xylene	ND	0.0500	1	04/29/24	04/30/24	
Total Xylenes	ND	0.0250	1	04/29/24	04/30/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/24	04/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/24	04/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/24	04/30/24	
Surrogate: n-Nonane		*68.1 %*	*50-200*	*04/29/24*	*04/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2418031
Chloride	**108**	20.0	1	04/29/24	04/29/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

BH01-1.5'

E404275-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Benzene	**64.7**	0.250	10	04/29/24	04/30/24	
Ethylbenzene	**65.8**	0.250	10	04/29/24	04/30/24	
Toluene	**178**	0.250	10	04/29/24	04/30/24	
o-Xylene	**29.6**	0.250	10	04/29/24	04/30/24	
p,m-Xylene	**57.0**	0.500	10	04/29/24	04/30/24	
Total Xylenes	**86.6**	0.250	10	04/29/24	04/30/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2418008
Gasoline Range Organics (C6-C10)	**1510**	200	10	04/29/24	04/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*04/29/24*	*04/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418007
Diesel Range Organics (C10-C28)	**35500**	1250	50	04/29/24	04/30/24	
Oil Range Organics (C28-C36)	**13300**	2500	50	04/29/24	04/30/24	
Surrogate: n-Nonane		*484 %*	*50-200*	*04/29/24*	*04/30/24*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2418031
Chloride	**23200**	400	20	04/29/24	04/30/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2418008-BLK1)									Prepared: 04/29/24 Analyzed: 04/29/24
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	*7.20*		*8.00*		*90.0*	*70-130*			
LCS (2418008-BS1)									Prepared: 04/29/24 Analyzed: 04/29/24
Benzene	4.27	0.0250	5.00		85.4	70-130			
Ethylbenzene	4.23	0.0250	5.00		84.6	70-130			
Toluene	4.26	0.0250	5.00		85.2	70-130			
o-Xylene	4.17	0.0250	5.00		83.3	70-130			
p,m-Xylene	8.51	0.0500	10.0		85.1	70-130			
Total Xylenes	12.7	0.0250	15.0		84.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.5*	*70-130*			
Matrix Spike (2418008-MS1)				**Source: E404270-11**					Prepared: 04/29/24 Analyzed: 04/29/24
Benzene	4.95	0.0250	5.00	ND	98.9	54-133			
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133			
Toluene	4.92	0.0250	5.00	ND	98.4	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.26*		*8.00*		*90.7*	*70-130*			
Matrix Spike Dup (2418008-MSD1)				**Source: E404270-11**					Prepared: 04/29/24 Analyzed: 04/29/24
Benzene	4.99	0.0250	5.00	ND	99.8	54-133	0.906	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133	1.07	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	1.07	20	
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131	0.966	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	1.24	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131	1.15	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.23*		*8.00*		*90.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2418008-BLK1)									Prepared: 04/29/24 Analyzed: 04/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS (2418008-BS2)									Prepared: 04/29/24 Analyzed: 04/29/24
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.00*		*8.00*		*87.5*	*70-130*			
Matrix Spike (2418008-MS2)				**Source: E404270-11**					Prepared: 04/29/24 Analyzed: 04/29/24
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.07*		*8.00*		*88.3*	*70-130*			
Matrix Spike Dup (2418008-MSD2)				**Source: E404270-11**					Prepared: 04/29/24 Analyzed: 04/29/24
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.7	70-130	2.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

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 (2418007-BLK1)									Prepared: 04/29/24 Analyzed: 04/30/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*37.7*		*50.0*		*75.4*	*50-200*			
LCS (2418007-BS1)									Prepared: 04/29/24 Analyzed: 04/30/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.6	38-132			
Surrogate: n-Nonane	*36.8*		*50.0*		*73.5*	*50-200*			
Matrix Spike (2418007-MS1)				**Source: E404274-01**					Prepared: 04/29/24 Analyzed: 04/30/24
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.3	38-132			
Surrogate: n-Nonane	*34.4*		*50.0*		*68.7*	*50-200*			
Matrix Spike Dup (2418007-MSD1)				**Source: E404274-01**					Prepared: 04/29/24 Analyzed: 04/30/24
Diesel Range Organics (C10-C28)	195	25.0	250	ND	77.9	38-132	15.9	20	
Surrogate: n-Nonane	*37.6*		*50.0*		*75.2*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2024 11:22:39AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2418031-BLK1)									Prepared: 04/29/24 Analyzed: 04/29/24
Chloride	ND	20.0							
LCS (2418031-BS1)									Prepared: 04/29/24 Analyzed: 04/30/24
Chloride	248	20.0	250		99.3	90-110			
LCS Dup (2418031-BSD1)									Prepared: 04/29/24 Analyzed: 04/29/24
Chloride	256	20.0	250		102	90-110	3.04	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:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/01/24 11:22

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
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.

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State					
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Kingfisher 5H Well Pad	Address: 3122 National Parks Hwy	E404275	23003-0002				x	x				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Sample Information							Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				SDWA	CWA	RCRA
11:41	4/25/2024	Soil	1	SS01 - 0'		1						x						Compliance	Y or N	
11:44	4/25/2024	Soil	1	SS02 - 0'		2						x						PWSID #		
11:47	4/25/2024	Soil	1	SS03 - 0'		3						x						Remarks		
11:50	4/25/2024	Soil	1	SS04 - 0'		4						x								
11:51	4/25/2024	Soil	1	BH01 - 1.5'		5						x								

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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

Sampled by: Cole Burton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cole Burton	4/26/24	8:20	Michelle Gonzales	4.26.24	0820
Michelle Gonzales	4.26.24	1700	C.M.	4.26.24	1700
C.M.	4.26.24	2300	Kayla K Heed	4-27-24	0745
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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.

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 14 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

Printed: 4/30/2024 12:00:57PM

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:	04/29/24 07:45	Work Order ID:	E404275
Phone:	(972) 371-5200	Date Logged In:	04/26/24 16:15	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	05/03/24 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?	Yes	

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.

Report to:

Ashley Giovengo

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:	Kingfisher 5H Well Pad
Work Order:	E406182
Job Number:	23003-0002
Received:	6/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/24/24

Date Reported: 6/24/24

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Kingfisher 5H Well Pad
Workorder: E406182
Date Received: 6/20/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/20/2024 5:00:00AM, under the Project Name: Kingfisher 5H Well Pad.

The analytical test results summarized in this report with the Project Name: Kingfisher 5H Well Pad 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,

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Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/24/24 13:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-6.5'	E406182-01A	Soil	06/18/24	06/20/24	Glass Jar, 2 oz.
FS02-7'	E406182-02A	Soil	06/18/24	06/20/24	Glass Jar, 2 oz.
SW01-0-6.5'	E406182-03A	Soil	06/18/24	06/20/24	Glass Jar, 2 oz.
SW02-0-7'	E406182-04A	Soil	06/18/24	06/20/24	Glass Jar, 2 oz.
SW03-0-7'	E406182-05A	Soil	06/18/24	06/20/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

FS01-6.5'

E406182-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Benzene	ND	0.0250	1	06/20/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/21/24	
Toluene	ND	0.0250	1	06/20/24	06/21/24	
o-Xylene	ND	0.0250	1	06/20/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/24/24	
Surrogate: n-Nonane		*88.8 %*	*50-200*	*06/20/24*	*06/24/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425084
Chloride	**337**	20.0	1	06/20/24	06/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

FS02-7'

E406182-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Benzene	ND	0.0250	1	06/20/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/21/24	
Toluene	ND	0.0250	1	06/20/24	06/21/24	
o-Xylene	ND	0.0250	1	06/20/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/24/24	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*06/20/24*	*06/24/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425084
Chloride	**33.9**	20.0	1	06/20/24	06/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

SW01-0-6.5'

E406182-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Benzene	ND	0.0250	1	06/20/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/21/24	
Toluene	ND	0.0250	1	06/20/24	06/21/24	
o-Xylene	ND	0.0250	1	06/20/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/24/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/20/24*	*06/24/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425084
Chloride	**164**	20.0	1	06/20/24	06/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

SW02-0-7'

E406182-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Benzene	ND	0.0250	1	06/20/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/21/24	
Toluene	ND	0.0250	1	06/20/24	06/21/24	
o-Xylene	ND	0.0250	1	06/20/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/24/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*06/20/24*	*06/24/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425084
Chloride	**105**	20.0	1	06/20/24	06/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

SW03-0-7'

E406182-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Benzene	ND	0.0250	1	06/20/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/21/24	
Toluene	ND	0.0250	1	06/20/24	06/21/24	
o-Xylene	ND	0.0250	1	06/20/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2425078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/21/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/20/24*	*06/21/24*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*06/20/24*	*06/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/24/24	
Surrogate: n-Nonane		*94.5 %*	*50-200*	*06/20/24*	*06/24/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425084
Chloride	**156**	20.0	1	06/20/24	06/20/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

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 (2425078-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
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: Bromofluorobenzene	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.483*		*0.500*		*96.6*	*70-130*			
LCS (2425078-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	2.70	0.0250	2.50		108	70-130			
Ethylbenzene	2.70	0.0250	2.50		108	70-130			
Toluene	2.58	0.0250	2.50		103	70-130			
o-Xylene	2.79	0.0250	2.50		111	70-130			
p,m-Xylene	5.58	0.0500	5.00		111	70-130			
Total Xylenes	8.36	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
Matrix Spike (2425078-MS1)				**Source: E406179-05**					Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.75	0.0250	2.50	ND	110	43-135			
p,m-Xylene	5.47	0.0500	5.00	ND	109	43-135			
Total Xylenes	8.22	0.0250	7.50	ND	110	43-135			
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.6*	*70-130*			
Matrix Spike Dup (2425078-MSD1)				**Source: E406179-05**					Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	2.51	0.0250	2.50	ND	101	48-131	4.49	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	5.09	27	
Toluene	2.42	0.0250	2.50	ND	96.8	48-130	5.23	24	
o-Xylene	2.60	0.0250	2.50	ND	104	43-135	5.76	27	
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	5.33	27	
Total Xylenes	7.79	0.0250	7.50	ND	104	43-135	5.47	27	
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

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 (2425078-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.483*		*0.500*		*96.6*	*70-130*			
LCS (2425078-BS2)									Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	56.8	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	*0.527*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
Matrix Spike (2425078-MS2)				**Source: E406179-05**					Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	56.6	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike Dup (2425078-MSD2)				**Source: E406179-05**					Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	9.38	20	
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.5*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

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 (2425081-BLK1)									Prepared: 06/20/24 Analyzed: 06/23/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.3*		*50.0*		*96.6*	*50-200*			
LCS (2425081-BS1)									Prepared: 06/20/24 Analyzed: 06/23/24
Diesel Range Organics (C10-C28)	289	25.0	250		116	38-132			
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*50-200*			
Matrix Spike (2425081-MS1)				**Source: E406181-05**					Prepared: 06/20/24 Analyzed: 06/23/24
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	*49.0*		*50.0*		*97.9*	*50-200*			
Matrix Spike Dup (2425081-MSD1)				**Source: E406181-05**					Prepared: 06/20/24 Analyzed: 06/23/24
Diesel Range Organics (C10-C28)	311	25.0	250	ND	124	38-132	4.91	20	
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Kingfisher 5H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2024 1:28:18PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425084-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	ND	20.0							
LCS (2425084-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	248	20.0	250		99.0	90-110			
Matrix Spike (2425084-MS1)				**Source: E406181-02**					Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	476	20.0	250	235	96.5	80-120			
Matrix Spike Dup (2425084-MSD1)				**Source: E406181-02**					Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	478	20.0	250	235	97.2	80-120	0.371	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:	Kingfisher 5H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/24/24 13:28

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.

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E406182	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Kingfisher 5H Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
11:38	6/18/2024	Soil	1	FS01 - 6.5'		1						X						
11:41	6/18/2024	Soil	1	FS02 - 7'		2						X						
11:56	6/18/2024	Soil	1	SW01 - 0-6.5'		3						X						
13:32	6/18/2024	Soil	1	SW02 - 0-7'		4						X						
12:55	6/18/2024	Soil	1	SW03 - 0-7'		5						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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

Sampled by: Cole Burton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6-19-21	7 30		6-18-24	1102
	6-18-24	1500	Andrew Hobbs	6-19-24	1645
Andrew Hobbs	6-19-24	2245	Breyan R Hall	6-20-24	0500

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.

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 14 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.

*Samples were rcvd/Rel. by CarrieAnne on 6/19/24, incorrect date was written on COC. -AM

envirotech

Envirotech Analytical Laboratory

Printed: 6/20/2024 11:04:10AM

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:	06/20/24 05:00	Work Order ID:	E406182
Phone:	(972) 371-5200	Date Logged In:	06/19/24 16:56	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	06/26/24 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	

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?	Yes	

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

Comments/Resolution

Samples were rcvd/rel. by courier CarrieAnne on 6/19/24, incorrect date was originally written on COC by courier. -AM

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX E

NMOCD Correspondence

From:	SLO Spills
To:	Ashley Giovengo; clinton.talley@matadorresources.com; Jason Touchet
Cc:	Cole Burton; Chad Hamilton; Israel Estrella
Subject:	RE: Notice of Release - Matador Production Company - Kingfisher 5H Well Pad - Incident Number nAPP2410540758
Date:	Tuesday, April 23, 2024 9:01:55 AM
Attachments:	image009.png image010.png image011.png image012.png

[**EXTERNAL EMAIL**]

Thank you for the additional information for this release.

This letter is to confirm that a release notification was received from your office on April 22, 2024. The NMSLO Environmental Compliance Office (ECO) has reviewed the records submitted regarding the subject release. No additional information regarding the subject release is required at this time. Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

CULTURAL PROPERTIES PROTECTION RULE (19.2.24 NMAC) FOR REMEDIATION AND RECLAMATION ACTIVITIES

A. Conduct the emergency response as needed. Emergency responses are defined as activities that are necessary to protect immediate threats to public health, safety, or the environment, including but not limited to firefighting, flood management, or controlling, containing, or capturing release of hazardous or harmful materials.

B. As soon as possible, when a new release or damage occurs on STL, contact a Cultural Resource Consultant who will:

1. Conduct an Archaeological Records Management System (ARMS) review to determine if any known cultural properties have been previously identified within the remediation area, and if the area has been surveyed for cultural resources.
2. Advise as to whether an archaeological monitor should be present during initial containment activities and subsequent remediation efforts.
3. Advise as to whether a full cultural properties survey will be required after containment and prior to full remediation.

C. A list of consultants permitted to conduct work on state lands is maintained here: https://www.nmhistoricpreservation.org/programs/permits.html.

D. To learn more about NMSLO's Cultural Properties Protection Rule visit: https://www.nmstatelands.org/divisions/cultural-resources-office/culturalproperties/. CRO can be contacted via email croinfo@slo.state.nm.us or call 505-827-5781.

BIOLOGICAL COMPLIANCE & REPORTING

Spills and releases negatively affect biotic communities. ECO recommends utilizing the resources below to determine if the site activities are occurring in a sensitive or restricted

area. Also, when additional assistance is needed, ECO recommends consulting with a qualified third-party biologist for evaluation of potential impacts to threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, cave and karst features, and sensitive soils prior to conducting remediation and reclamation activities.

- New Mexico State Land Office Land Status Map https://mapservice.nmstatelands.org/LandStatus
- U.S. Fish and Wildlife Services Information for Planning and Consultation: https://ipac.ecosphere.fws.gov/
- BISON-M database: https://bison-m.org/
- New Mexico Department of Game and Fish Environmental Review Tool (ERT): https://nmert.org/content/map

If you require additional assistance or have project specific questions, please email at bio@slo.state.nm.us.

90-DAY REMEDIATION AND CLOSURE

For releases that are remediated and are closed within 90 days of the discovery date, a written notification of the confirmation sampling event must be submitted to ECO a minimum of two (2) business days from the sampling event. Please submit notifications to eco@slo.state.nm.us with the subject line as follows: *(Sampling Notification) Company-Location Name (API/Incident #)-Date of Incident.*

The subsequent remediation closure report must be submitted to ECO for review and approval. Please submit the closure report to eco@slo.state.nm.us with the subject line *(Closure Report Submittal) Company-Location Name (API/Incident #)-Date of Incident*.

EXTENDED REMEDIATION AND CLOSURE

For remediation actions that cannot be completed and closed within 90 days of the discovery date, a written site characterization/delineation plan and/or remediation plan must be submitted to ECO for review and approval. Please submit the workplan to eco@slo.state.nm.us with the subject line *(Applicable Document Title) Company-Location Name (API/Incident #)-Date of Incident.*

RECLAMATION

Sites that have been decommissioned or plugged must have a written reclamation plan submitted to ECO for review and approval. Note, where applicable, it is acceptable to combine remediation and reclamation plans into one document for ECO approval. If the document is a standalone reclamation plan, please submit the plan to eco@slo.state.nm.us with the subject line *(Reclamation Plan Submittal) Company-Location Name-API or Facility Identification.*

Thank you for working with ECO and your efforts to protect State Trust Land,

Environmental Compliance Office
Surface Resources Division
eco@slo.state.nm.us
nmstatelands.org

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Monday, April 22, 2024 2:53 PM
To: SLO Spills <spills@slo.state.nm.us>; Griffin, Becky R. <bgriffin@slo.state.nm.us>; David, Deon W. <ddavid@slo.state.nm.us>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Israel Estrella <iestrella@ensolum.com>
Subject: [EXTERNAL] Notice of Release - Matador Production Company - Kingfisher 5H Well Pad - Incident Number nAPP2410540758

Good Afternoon,

Please see the attached Spill Notification Form and release photo for the spill at the Kingfisher 5H site. Please let me know if you have any questions.

Thanks,

Ashley Giovengo
Senior Scientist
575-988-0055
Ensolum, LLC

"Your authenticity is your superpower." – Unknown

District I
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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

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 355224
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2410540758**
Incident Name	**NAPP2410540758 KINGFISHER 5 H WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Kingfisher 5 H Well Pad**
Date Release Discovered	**04/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	327
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/18/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.72696,-103.5256

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CONDITIONS

Action 355224

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 355224
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/17/2024

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QUESTIONS

Action 362321

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 362321
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2410540758**
Incident Name	**NAPP2410540758 KINGFISHER 5 H WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Kingfisher 5 H Well Pad
Date Release Discovered	04/13/2024
Surface Owner	State

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

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

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 362321
	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	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/09/2024

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 362321
	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	Between 500 and 1000 (ft.)
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	Between 1 and 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 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	23200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50310
GRO+DRO (EPA SW-846 Method 8015M)	37010
BTEX (EPA SW-846 Method 8021B or 8260B)	395.1
Benzene (EPA SW-846 Method 8021B or 8260B)	64.7
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	06/11/2024
On what date will (or did) the final sampling or liner inspection occur	06/18/2024
On what date will (or was) the remediation complete(d)	06/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	328
What is the estimated volume (in cubic yards) that will be remediated	140
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 362321
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360 Hobbs
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/09/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
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QUESTIONS

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

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 362321
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**356132**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/21/2024**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**800**

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	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	328
What was the total volume (cubic yards) remediated	140
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	328
What was the total volume (in cubic yards) reclaimed	140
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/09/2024

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QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

Action 362321

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/20/2024