

October 29, 2024

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

Re: Closure Request Muskie 23 CTB 5

Incident Number nAPP2407561521

**Eddy County, New Mexico** 

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request* summarizing the response efforts, and a liner integrity inspection performed at the Muskie 23 CTB 5 (Site) in Unit A, Section 23, Township 26 South, Range 34 East, in Eddy County, New Mexico (Figure 1). The purpose of the liner integrity inspection was to determine if the lined secondary containment was capable of containing a produced water and crude oil release on March 15, 2024, and whether impacts to soil in the areas immediately surrounding the containment liner were present or absent. Based on field observations during the liner integrity inspection, Devon is submitting this *Closure* Request for Incident Number nAPP2407561521.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Eddy County, New Mexico (32.03314°, -103.43566°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On March 15, 2024, the facility overflow safety devices failed allowing wells to overflow tanks, which resulted in the release of 45 barrels (bbls) of produced water and 2 bbls of crude oil inside the lined secondary containment. A vacuum truck successfully recovered all 47 bbls of produced water and crude oil. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on March 15, 2024, and the release was assigned Incident Number nAPP2407561521. A 48-hour advance notice of liner inspection was provided via web portal to the NMOCD on April 12, 2024. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery and upon inspection, the liner was determined to be insufficient and had the potential for contaminants to migrate outside of containment into soil and the subsurface.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the 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.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parky Hwy| Carlsbad, NM 88220 | ensolum.com



The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-4856 POD1 with a depth to water measurement greater than 105 feet below ground surface (bgs). The well was a soil boring drilled to assess depth to groundwater beneath the Site and was advanced approximately 789 feet southwest of the spill area and measured on July 29, 2024, following more than 72 hours to allow the boring to stabilize in the event slow infill of groundwater needed time to flow in. All wells used for depth to groundwater determinations are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.9 miles northwest 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)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

## LINER INTEGRITY INSPECTION AND DELEINATION SOIL SAMPLING ACTIVITES

On April 18, 2024, Ensolum personnel arrived onsite to visually inspect the integrity of the secondary containment liner and to conduct lateral delineation sampling activities. A 48-hour liner inspection notification was submitted to NMOCD on April 12, 2024. Ensolum personnel competent in performing liner inspections, identified one hole in the floor of the lined secondary containment. Four discrete delineation soil samples (SS01A through SS04A) were collected on all sides of tank battery containment at ground surface to verify the lateral extent of the release. Delineation soil samples were field screened for chloride and TPH utilizing QuanTab® chlorine test strips and a PetroFLAG® Soil Analyzer System, respectively. The delineation sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographs taken during the liner integrity inspection and delineation sampling activities are included in Appendix B.

On July 3, 2024, Ensolum returned to the Site to advance one borehole (BH06) in the hole identified during the April 2024 liner inspection. Borehole BH06 was advanced via hand auger to a depth of 5 feet bgs. Discrete delineation soil samples were collected from the ground surface and from 4 feet bgs beneath the hole in the lined secondary containment and field screened field screened for chloride and TPH. Field screening results and observations from the borehole were logged on lithologic/soil sampling log, and are included in Appendix C.

All delineation 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. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States



Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01A though SS04A), collected at ground surface, indicated all COC concentrations were in compliance with strictest Closure Criteria per NMOCD Table I and with the Site Closure Criteria. Laboratory analytical results from borehole BH06 indicated all COC concentrations were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface and 4 feet bgs. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

#### **CLOSURE REQUEST**

Following a liner integrity inspection at the Site, it was determined the release was contained laterally and vertically by the lined secondary containment. Lateral delineation soil samples (SS01A through SS04A) collected at ground surface verified the release did not breach the containment walls during the release. Vertical delineation soil samples collected from borehole BH06 at ground surface and 4 feet bgs indicated contamination beneath the lined secondary containment does not exceed the Site Closure Criteria or the strictest Closure Criteria per NMOCD Table I. Remedial actions completed at the Site following the March 2024 produced water and crude oil release appear to have been protective of human health, the environment, and groundwater. Based on initial response efforts, and a reported depth to groundwater of greater than 105 feet bgs, Devon respectfully requests closure for Incident Number nAPP2407561521.

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

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)

Appendix A Referenced Well Records

Appendix B Photographic Log

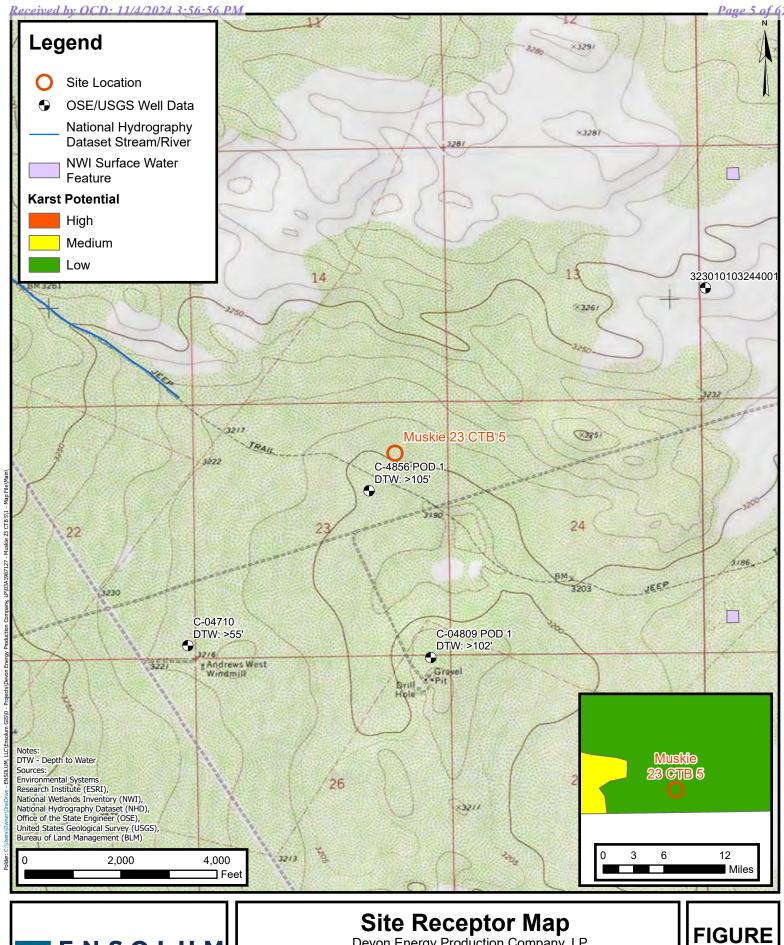
Appendix C Lithologic Soil Sampling Logs

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications



**FIGURES** 

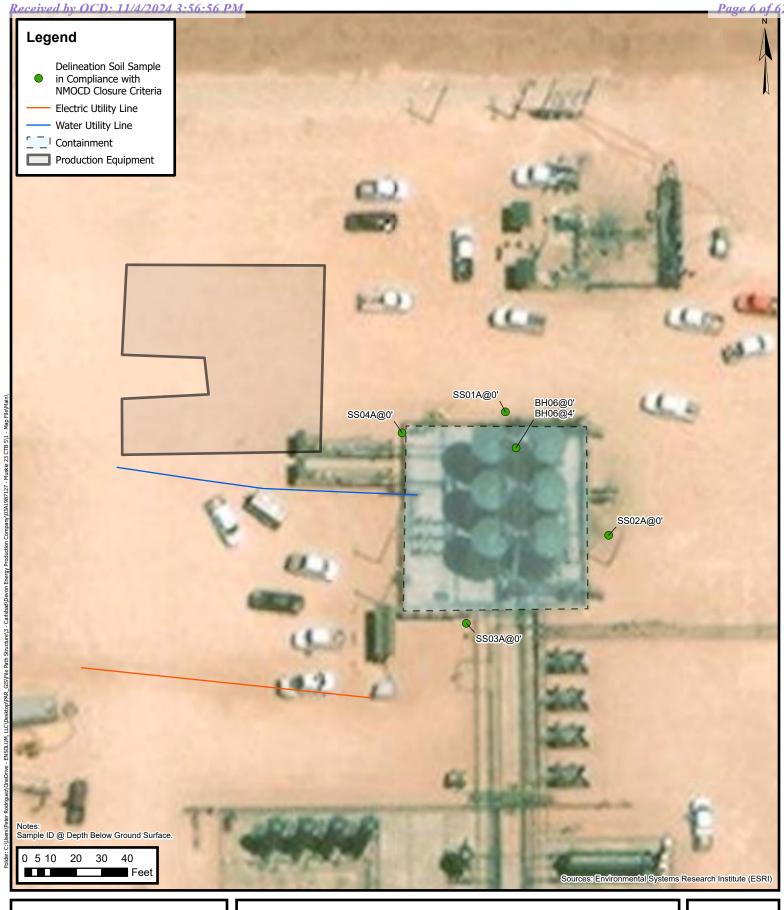




Devon Energy Production Company, LP Muskie 23 CTB 5 Incident Number: nAPP2407561521

Incident Number: nAPP2407561521 Unit A, Section 23, Township 26S, Range 34E Eddy County, New Mexico FIGURE 1

Released to Imaging: 11/12/2024 2:17.52 PM





# **Delineation Soil Sample Locations**

Devon Energy Production Company, LP
Muskie 23 CTB 5
Incident Number: nAPP2407561521
Unit A, Section 23, Township 26S, Range 34E
Eddy County, New Mexico

FIGURE 2



**TABLES** 



#### TABLE 1

## **SOIL SAMPLE ANALYTICAL RESULTS**

Muskie 23 CTB 5

Devon Energy Production Company, LP
Eddy County. New Mexico

				Laaj	County, New Mic	JAI 00				
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	1,000	2,500	20,000
				Deli	neation Soil Sam	ples				
SS01A	4/18/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<20.0	286
SS02A	4/18/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<20.0	110
SS03A	4/18/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<20.0	64.5
SS04A	4/18/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<20.0	74.8
BH06	7/3/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<20.0	189
BH06	7/3/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<20.0	278

#### 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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

<sup>\*</sup> 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.



**APPENDIX A** 

Well Log and Record



WELL OWNER NA			N/A			OSE FILE NO(S C-4856 POI			
Devon Energy		Company				PHONE (OPTIONS 183			
WELL OWNER M. 205 E. Bender	AILING ADDR	27.34,741				CITY Hobbs		STATE NM 88240	ZIP
WELL LOCATION (FROM GPS)	LATITUDE	3	GREES MI 32		.64 <sub>N</sub>		REQUIRED: ONE TENT	TH OF A SECOND	
DESCRIPTION R	LONGITUE	DE .	6.70		10.00	S (SECTION, TO	WNSHЛР, RANGE) WH	ERE AVAILABLE	
LICENSE NO. WD1188	NAM	E OF LICENSED		carborough			NAME OF WELL DRI	ILLING COMPANY irborough Drilling In	c.
DRILLING START 07/25/202	(C. C. C	7/25/2024	DEPTH OF COMPLET		The second secon	LE DEPTH (FT) 105	DEPTH WATER FIRS	ST ENCOUNTERED (FT N/A	")
COMPLETED WE	LL IS:	ARTESIAN	✓ DRY HOLE	SHALLOW (UNC	ONFINED)		STATIC WATER LEV	VEL IN COMPLETED W N/A	ELL (FT)
DRILLING FLUID		AIR	MUD MUD	ADDITIVES - SP	ECIFY:				
DRILLING METH	OD:	ROTARY	HAMMER	CABLE TOOL	ОТНЕ	R - SPECIFY:			
DEPTH (feet bgl)  FROM ( TO DIAM (inches)		(include each casing string, and		ASING NECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SL SI (inc		
0	105	5	- CONTRACTOR OF SAME	Boring	(add coup	ling diameter)	-	-	
DEPTH (fee	100.7	BORE HOLE	777744	NNULAR SEAL M			AMOUNT (cubic feet)	METH PLACE	
FROM	то	IAM. (inches)	GRAVELI	PACK SIZE-RANC N/A	JE BY IN I	ERVAL	(cubic feet)	PLACE	EMENI
OSE INTERNAL						WD.	20 WELL RECORD	% LOC (1:	120115

WELL TAG ID NO.

PAGE 1 OF 2

LOCATION

	DEPTH (f	eet bgl)	To be	COLOR AND TYPE	OF MATERIAL ENCOUNTI	ERED -	WATER	ESTIMA YIELD I	
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEAI	RING CAVITIES OR FRACTU al sheets to fully describe all	JRE ZONES	BEARING? (YES / NO)	WATE BEARII ZONES (	R- NG
	0	10	10	Silty Sand, Medium	Brown to tan, Medium to fine g	grained	Y /1	1	
	10	20	10	Silty Sand, Medium	brown to red, Medium to fine g	grained	Y 🗸	1	
	20	30	10	Sand with Gravel, light brown t	o white, fine to medium with s	ome caliche gravel	Y 1	1	
	30	35	5	Sand with Gravel, light brown t	o white, fine to medium with s	ome caliche gravel	Y 1	1	
	35	40	5	Sand with clay, light brown	to white, fine to medium with	some red clay	Y ✓1	1	
2	40	48	4	Sand with Gravel, light brown t	o white, fine to medium with s	ome caliche gravel	Y /1	1	
4. III DROGEOLOGIC LOG OF WELL	48	55	8	Sandstone, Light b	own to white, fine to coarse gr	ained	Y ✓ N	1	
5	55	58	3	Sand with clay, light brown to	vellow, very fine to medium wi	th some grey clay	Y ✓ N	1	
2	58	60	2	Sand with clay, light brown to	grey, very fine to medium with	some grey clay	Y ✓ N	ı I	
)	60	68	8	Clay with sand, medium b	own to red, with some medium	brown sand	Y ✓ N	I .	
	68	70	2	Sand with clay, light to medium	brown, very fine to medium w	rith some grey clay	Y N	I I	
	70	74	4	Sand with clay med	um brown to red, with some re	d clay	Y N	i i	
	74	80	6	Sand with clay, light brown to	grey, very fine to medium with	some grey clay	Y N	I .	
	80	90	10	Sand with clay, light brown to	vellow, very fine to medium wi	th some grey clay	Y N	ı 📗	
	90	100	10	Silty Sand, light to m	edium brown, medium to fine	grained	Y N		
	100	105	5	Sand with Gravel, light brown to	o white, fine to medium with se	ome caliche gravel	Y N		
	105	105	0	Sand with Gravel, light brown	o white, fine to medium with se	ome caliche gravel	Y N	I I	
							Y N	į i	
							Y N		
							Y N		
							Y	ľ	
	метнор и		STIMATE YIELI	OF WATER-BEARING STRA	A company of the comp		AL ESTIMATE L YIELD (gpn		)
	WELL TES	TEST	DESIII TS - AT	TACH A COPY OF DATA COL	LECTED DURING WELL TE	STING, INCLUDIN	NG DISCHARO E TESTING PE	GE METHOD, RIOD.	
TEST; KIG SUPERVISION			b	emporary well material removelow ground surface (bgs), the	en hydrated bentonite chips	10 ft bgs to groun	nd surface.		
'n				HAT TO THE BEST OF MY					
SIGNALONE.	DECORDO	CTILE AD	OVE DESCRIBE	HAT TO THE BEST OF MY POSITION OF THE PERMIT HOLDER	AT THE WELL TAG. IF REO	UIKED, HAS BEE	N INSTALLEL	AND THAT I	'HI
•		SIGNA	TURE OF DRILL	ER / PRINT SIGNEE NAME			DAT	E	
	R OSE INTER	NAI IISE				WR-20 WELL REG	CORD & LOG	(Version 04/30/	201
	E NO.	HAL OOL		POD		TRN NO.			
-					WELL T	200 855		PAGE 2	0.5



**APPENDIX B** 

Photographic Log



Devon Energy Production Company, LP Muskie 23 CTB 5 nAPP2407561521





Date: 03/15/2024

Date: 04/18/2024

Photograph 1 Date: 03/15/2024

Description: Release Extent

View: West

Photograph 2

Description: Release Extent

View: East





Photograph 3 Date: 03/15/2024

Description: Release Extent

View: North

Photograph 4

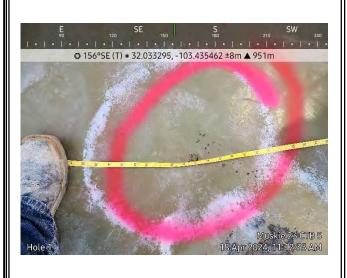
Description: Liner Integrity Inspection

View: Southeast

Page 1 of 5



Devon Energy Production Company, LP Muskie 23 CTB 5 nAPP2407561521





Photograph 5 Date: 04/18/2024

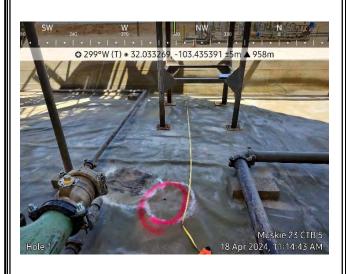
Description: Liner Integrity Inspection

View: Southeast

Photograph 6 Date: 04/18/2024

Description: Liner Integrity Inspection

View: Southwest





Photograph 7 Date: 04/18/2024

Description: Liner Integrity Inspection

View: West

Photograph 8 Date: 04/18/2024

Description: Liner Integrity Inspection

View: North



Devon Energy Production Company, LP Muskie 23 CTB 5 nAPP2407561521





Photograph 9 Date: 04/18/2024

Description: Liner Integrity Inspection

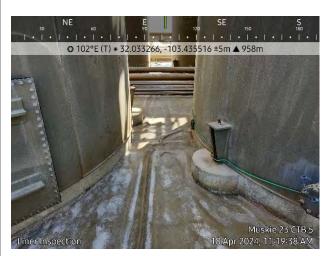
View: Southeast

Photograph 10 Date: 04/18/2024

Description: Liner Integrity Inspection

View: East





Photograph 11 Date: 04/18/2024

Description: Liner Integrity Inspection

View: Northwest

Photograph 12 Date: 04/18/2024

Description: Liner Integrity Inspection

View: East



Devon Energy Production Company, LP Muskie 23 CTB 5 nAPP2407561521





Photograph 13 Date: 04/18/2024

Description: Liner Integrity Inspection

View: Northeast

Photograph 14 Date: 04/18/2024

**Description: Delineation Sampling** 

View: Southeast





Photograph 15 Date: 04/18/2024

**Description: Delineation Sampling** 

View: Northwest

Photograph 16 Date: 07/03/2024

Description: Vertical Delineation Sampling (BH06)

View: South



Devon Energy Production Company, LP Muskie 23 CTB 5 nAPP2407561521





Photograph 9 Date: 07/03/2024

Description: Liner Patch (BH06)

View: Southeast

Photograph 10

Description: DTW Boring

View: West

Date: 07/25/2024

Date: 07/29/2024





Photograph 11

Description: DTW Boring

View: West

Photograph 12

notograph 12

Description: DTW Measurement

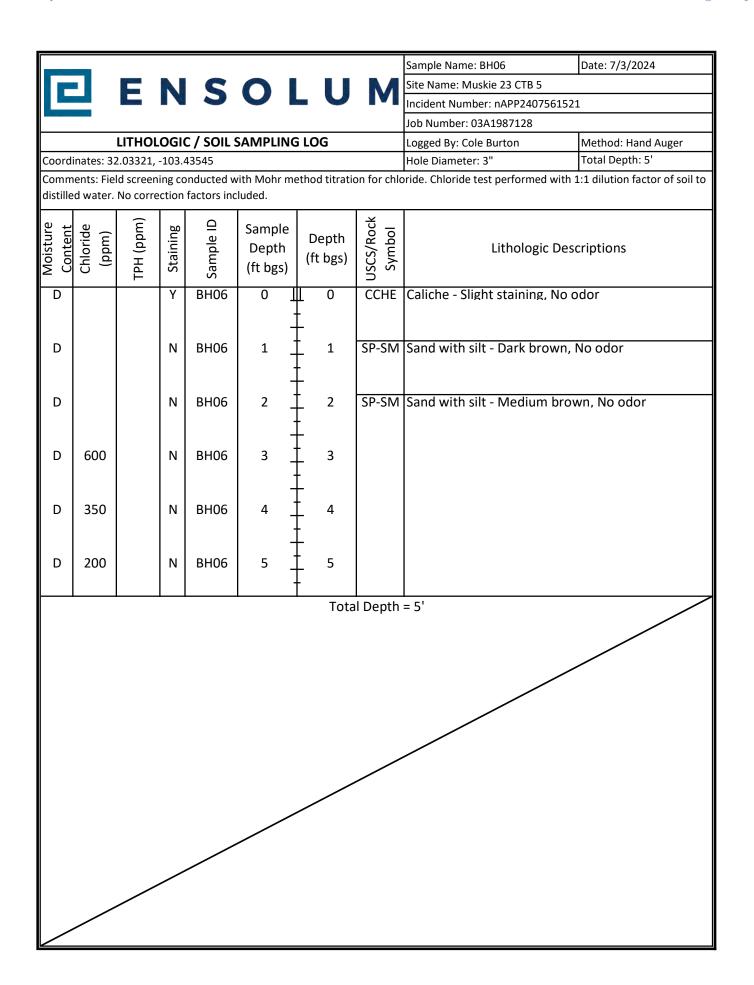
View: Northeast

Date: 07/25/2024



APPENDIX C

Lithologic Soil Sampling Logs





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**

Devon Energy - Carlsbad

Project Name: Muskie 23 CTB 5

Work Order: E404223

Job Number: 01058-0007

Received: 4/22/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/16/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/16/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Muskie 23 CTB 5

Workorder: E404223

Date Received: 4/22/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/22/2024 8:30:00AM, under the Project Name: Muskie 23 CTB 5.

The analytical test results summarized in this report with the Project Name: Muskie 23 CTB 5 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

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 Gonzales

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**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01A -0'	5
SS02A -0'	6
SS03A -0'	7
SS04A -0'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

## **Sample Summary**

ſ	Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	Reported:
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/24 13:09

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS01A -0'	E404223-01A Soil	04/18/24	04/22/24	Glass Jar, 2 oz.
SS02A -0'	E404223-02A Soil	04/18/24	04/22/24	Glass Jar, 2 oz.
SS03A -0'	E404223-03A Soil	04/18/24	04/22/24	Glass Jar, 2 oz.
SS04A -0'	E404223-04A Soil	04/18/24	04/22/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/2024 1:09:38PM

## SS01A -0' E404223-01

		E404223-01				
	D. Iv	Reporting	D.1 .:	D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/24/24	
Surrogate: n-Nonane		113 %	50-200	04/22/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2417010
Chloride	286	20.0	1	04/22/24	04/22/24	



Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/2024 1:09:38PM

## SS02A -0' E404223-02

		E404225-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	st: BA		Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/24/24	
Surrogate: n-Nonane		113 %	50-200	04/22/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2417010
Chloride	110	20.0	1	04/22/24	04/22/24	



Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/2024 1:09:38PM

## SS03A -0' E404223-03

		E404225-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	vst: BA		Batch: 2417013
Benzene	mg/kg ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/24/24	
Surrogate: n-Nonane		108 %	50-200	04/22/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2417010
Chloride	64.5	20.0	1	04/22/24	04/22/24	



Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/2024 1:09:38PM

## SS04A -0' E404223-04

		E404223-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/24/24	
Surrogate: n-Nonane		112 %	50-200	04/22/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2417010
Chloride	74.8	20.0	1	04/22/24	04/22/24	



		QC Si	umma	ny Dat	а				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	01	uskie 23 CTE 058-0007 shley Giovens					<b>Reported:</b> 10/16/2024 1:09:38PM
		Volatile O	rganics b	y EPA 802	21B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2417013-BLK1)							Prepared: 0	4/22/24 A	nalyzed: 04/23/24
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	7.55		8.00		94.4	70-130			
LCS (2417013-BS1)							Prepared: 0	4/22/24 A	nalyzed: 04/23/24
Benzene	4.91	0.0250	5.00		98.3	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.7	70-130			
Toluene	4.91	0.0250	5.00		98.1	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			
Matrix Spike (2417013-MS1)				Source:	E404219-	-01	Prepared: 0	4/22/24 A	nalyzed: 04/23/24
Benzene	5.72	0.0250	5.00	ND	114	54-133			
Ethylbenzene	5.56	0.0250	5.00	ND	111	61-133			
Toluene	5.71	0.0250	5.00	ND	114	61-130			
o-Xylene	5.65	0.0250	5.00	ND	113	63-131			
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131			
Total Xylenes	17.0	0.0250	15.0	ND	113	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			
Matrix Spike Dup (2417013-MSD1)				Source:	E404219-	-01	Prepared: 0	4/22/24 A	nalyzed: 04/23/24
Benzene	5.05	0.0250	5.00	ND	101	54-133	12.5	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133	12.4	20	
T-1	5.02	0.0250	5.00	ND	101	61 120	12.6	20	

ND

ND

ND

ND

5.00

5.00

10.0

15.0

0.0250

0.0250

0.0500

0.0250

101

99.4

100

100

93.8

61-130

63-131

63-131

63-131

70-130



12.6

12.7

12.2

12.4

20

20

20

20

Toluene

o-Xylene

p,m-Xylene Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

5.03

4.97

10.0

15.0

7.50

Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/2024 1:09:38PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			10	0/16/2024 1:09:38PM
	Non	halogenated	Organics l	by EPA 80	15D - GI	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
									11000
Blank (2417013-BLK1)							Prepared: 0	4/22/24 Ana	alyzed: 04/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
LCS (2417013-BS2)							Prepared: 0	4/22/24 Ana	alyzed: 04/23/24
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			
Matrix Spike (2417013-MS2)				Source:	E404219-0	01	Prepared: 0	4/22/24 Ana	alyzed: 04/23/24
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			
Matrix Spike Dup (2417013-MSD2)				Source:	E404219-0	01	Prepared: 0	4/22/24 Ana	alyzed: 04/23/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	0.517	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			



Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/2024 1:09:38PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			10	/16/2024 1:09:38PI
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2417018-BLK1)							Prepared: 0	4/22/24 Ana	lyzed: 04/23/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	55.4		50.0		111	50-200			
LCS (2417018-BS1)							Prepared: 0	4/22/24 Ana	lyzed: 04/23/24
Diesel Range Organics (C10-C28)	313	25.0	250		125	38-132			
urrogate: n-Nonane	56.7		50.0		113	50-200			
Matrix Spike (2417018-MS1)				Source:	E404220-	01	Prepared: 0	4/22/24 Ana	lyzed: 04/23/24
Diesel Range Organics (C10-C28)	314	25.0	250	ND	126	38-132			
urrogate: n-Nonane	56.8		50.0		114	50-200			
Matrix Spike Dup (2417018-MSD1)				Source:	E404220-	01	Prepared: 0	4/22/24 Ana	lyzed: 04/23/24
Diesel Range Organics (C10-C28)	309	25.0	250	ND	124	38-132	1.50	20	
Gurrogate: n-Nonane	54.9		50.0		110	50-200			

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		uskie 23 CTB .058-0007	3 5				Reported:	
Artesia NM, 88210	Project Manager: Ashley Giovengo							10/16/2024 1:09:38		
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2417010-BLK1)							Prepared: 0	4/22/24 <i>A</i>	Analyzed: 04/22/24	
Chloride	ND	20.0								
LCS (2417010-BS1)							Prepared: 0	4/22/24 A	Analyzed: 04/22/24	
Chloride	252	20.0	250		101	90-110				
Matrix Spike (2417010-MS1)				Source:	E404222-0	)2	Prepared: 0	4/22/24 A	Analyzed: 04/22/24	
Chloride	561	200	250	324	94.7	80-120				
Matrix Spike Dup (2417010-MSD1)				Source:	E404222-0	)2	Prepared: 0	4/22/24 A	Analyzed: 04/22/24	
Chloride	571	200	250	324	98.7	80-120	1.75	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**

Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/16/24 13:09

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.



Client:	Devon Energ	У				Bill To				Lab	Us	e Or	ly				T	AT	EPA P	rogram
Project:	Muskie 23	CTB 5			At	tention: Dale Woodall		Lab W	/O#			Job	Num	ber	10	2D	3D	Standard	CWA	SDWA
Project I	Manager: As	shley Gio	vengo		Ac	dress: 205 E Bender Rd #150		F 4	04	72	5	010	533	-0007				X		
Address	: 3122 Natio	nal Parks	s Hwy		Cit	y, State, Zip: Hobbs NM, 8824	10							nd Metho	d					RCRA
City, Sta	te, Zip: Carl:	sbad NM	88220		Ph	one: (575) 748-1838		3							T	1				
Phone:	575-988-005	55			En	nail: Dale.woodall@dvn.com		80		- 1			1-1	1 3 C					State	
Email: a	giovengo@e	ensolum.	com					1 0/0		-			0.0		N			NM CC	UT AZ	TX
Report o	due by:							30/0		802	8260	2010	300				×	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	TPH GR	8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		RGDOC		GDOC		Remarks	
12:19	4/18/2024	S	1			SS01 - 0'	1								>					
12:29	4/18/2024	S	1			SS02 - 0'	2								>					
12:59	4/18/2024	S	1			SS03 - 0'	3								>					
12:33	4/18/2024	S	1			SS04 - 0'	4								×					
									1											
											V									
Addition	al Instructio	ns: Plea	ase CC: cl	ourton@ens	olum.com	, agiovengo@ensolum.com, [	Dale.woodall	@dvn.	com	, cha	mil	ton@	ens	olum.co	m, i	estre	lla@e	nsolum.com	À s	
	pler), attest to the of collection is o	and the second		A DE LA CONQUESTION		hat tampering with or intentionally misla <u>Sampled by:</u> Chad Han		le location	n,									ceived on ice the da less than 6 °C on sub		pled or
	ed by: (Signatu		Date 4/		030	Received by: (Signature) Machelle Gonzale	8 4-19		me [D	30		Rece	ived	on ice:		Lab U Y) I	se On V	ily		
Mich	ed by: (Signatur	orgales		19.24 Tin	17W	Received by: (Signature)	9.19.1		me 18c	00		T1			<u>T2</u>			<u></u>		
Relinduish	ed by: (Signatur	re)	Date 4.	19.24 Tin	2400	Received by: (Signature)	4/22		me )93	30		AVG	Tem	p°c 4						
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - S	olid, <b>S</b> g - Slu		-	100		Containe		_		- p	oly/p	lastic	, ag - amb	er g	glass,	- VO	4		
	A STATE OF THE PARTY OF THE PAR					er arrangements are made. Hazardo h this COC. The liability of the labora	Control of the Contro								ient	expen	se. Th	e report for the	analysis of	the above



envirotech

Printed: 4/22/2024 12:43:16PM

## **Envirotech Analytical Laboratory**

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:	Devon Energy - Carlsbad	Date Received:	04/22/24	08:30	Work Order ID:	E404223
Phone:	(505) 382-1211	Date Logged In:	04/22/24	09:22	Logged In By:	Angelina Pineda
Email:	ashley.giovengo@wescominc.com	Due Date:	04/26/24	17:00 (4 day TAT)		
Chain a	Contrador (COC)					
	Custody (COC)		37			
	ne sample ID match the COC? The number of samples per sampling site location man	ch the COC	Yes			
	amples dropped off by client or carrier?	en die Coc	Yes			
	e COC complete, i.e., signatures, dates/times, reques	stad analysasa?	Yes Yes	Carrier: Courier		
	Il samples received within holding time?	sted allaryses?	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		165		<u>Comment</u>	s/Resolution
	Furn Around Time (TAT)  c COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (			103			
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
• •	e sample(s) received intact, i.e., not broken?					
			Yes			
	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	•	temperature. 1	<u> </u>			
_	Container queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	)	Yes			
	appropriate volume/weight or number of sample contain		Yes			
		iers conceteur	105			
Field Lal	field sample labels filled out with the minimum info	rmation:				
	ample ID?	rination.	Yes			
	pate/Time Collected?		Yes			
	ollectors name?		Yes			
Sample I	Preservation_					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	, does the COC specify which phase(s) is to be analy		NA			
			1411			
	act Laboratory	0	Ma			
	amples required to get sent to a subcontract laborato	-	No	0.1 4 4 1 1 314		
29. was a	subcontract laboratory specified by the client and in	so who:	NA	Subcontract Lab: NA		
Client I	<u>istruction</u>					

I, (field sampler), attest to the validity and auth	enticity of this sam	ple. I am aware th	at tampering with or intentionally mislabelli	ng the sample loca	than,			on ice the day they are sampled or
date or time of collection is considered fraud a	an 6°C on subsequent days.							
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		Lab Use Only	
	4/19/24	1030	Vopehelle Gonzales	4-19-24	1030	Received on ice:	(Y) N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time			
Michelle Gongales	4-1924	1700	e fs M.	4.19.24	1800	T1	<u>T2</u>	<u>T3</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date / /	Time	,1		
H.M.	4.19.24	2400	WY.	4/22/24	0830	AVG Temp °C_4		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A	- Aqueous, O - Oth	er		Container Type	e: g - glass, p - p	ooly/plastic, ag - amb	per 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 80 62

Page 16 of 16

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**

Devon Energy - Carlsbad

Project Name: Muskie 23 CTB 5

Work Order: E407042

Job Number: 01058-0007

Received: 7/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/11/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/11/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Muskie 23 CTB 5

Workorder: E407042

Date Received: 7/9/2024 11:20:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/9/2024 11:20:00AM, under the Project Name: Muskie 23 CTB 5.

The analytical test results summarized in this report with the Project Name: Muskie 23 CTB 5 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

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 Gonzales

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**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH06-0'	5
BH06-4'	6
BH07-0'	7
BH07-1'	8
QC Summary Data	9
QC - Volatile Organic Compounds by EPA8260B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

## Sample Summary

Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	07/11/24 15:42

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH06-0'	E407042-01A Soil	07/03/24	07/09/24	Glass Jar, 2 oz.
BH06-4'	E407042-02A Soil	07/03/24	07/09/24	Glass Jar, 2 oz.
BH07-0'	E407042-03A Soil	07/03/24	07/09/24	Glass Jar, 2 oz.
BH07-1'	F407042-04A Soil	07/03/24	07/09/24	Glass Jar. 2 oz.



Devon Energy - CarlsbadProject Name:Muskie 23 CTB 56488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo7/11/2024 3:42:31PM

### BH06-0' E407042-01

		E40/042-01					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
					•	rmaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2428035
Benzene	ND	0.0250		1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/09/24	07/10/24	
Toluene	ND	0.0250		1	07/09/24	07/10/24	
o-Xylene	ND	0.0250		1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8		92.2 %	70-130		07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8		92.2 %	70-130		07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0	•	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/09/24	07/10/24	
Surrogate: n-Nonane		102 %	50-200		07/09/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2428037
Chloride	189	20.0	<u> </u>	1	07/09/24	07/09/24	



Devon Energy - CarlsbadProject Name:Muskie 23 CTB 56488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo7/11/2024 3:42:31PM

## BH06-4'

		E407042-02					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg A		Analyst: RKS			Batch: 2428035	
Benzene	ND	0.0250		1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/09/24	07/10/24	
Toluene	ND	0.0250		1	07/09/24	07/10/24	
o-Xylene	ND	0.0250		1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8		90.9 %	70-130		07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8		90.9 %	70-130		07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0		1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/09/24	07/10/24	
Surrogate: n-Nonane		96.6 %	50-200		07/09/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2428037
Chloride	278	20.0		1	07/09/24	07/09/24	



Devon Energy - CarlsbadProject Name:Muskie 23 CTB 56488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo7/11/2024 3:42:31PM

### BH07-0' E407042-03

#### Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: RKS Batch: 2428035 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 07/10/24 ND 0.0250 07/09/24 Benzene 1 07/09/24 07/10/24 Ethylbenzene ND 0.0250 ND 0.0250 07/09/24 07/10/24 Toluene 1 07/09/24 07/10/24 o-Xylene ND 0.0250 07/09/24 07/10/24 ND 0.0500 1 p,m-Xylene 07/09/24 07/10/24 1 Total Xylenes ND 0.0250 07/10/24 07/09/24 Surrogate: Bromofluorobenzene 95.6 % 70-130 07/09/24 07/10/24 Surrogate: 1,2-Dichloroethane-d4 97.8 % 70-130 Surrogate: Toluene-d8 92.8 % 70-130 07/09/24 07/10/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2428035 ND 07/09/24 07/10/24 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 95.6 % 07/09/24 07/10/24 70-130 97.8 % 07/09/24 07/10/24 Surrogate: 1,2-Dichloroethane-d4 70-130 Surrogate: Toluene-d8 07/09/24 07/10/24 92.8 % 70-130 mg/kg Analyst: KM Batch: 2428028 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 07/10/24 ND 25.0 1 07/09/24 Diesel Range Organics (C10-C28) ND 50.0 1 07/09/24 07/10/24 Oil Range Organics (C28-C36) 90.9 % 50-200 07/09/24 07/10/24 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: DT Batch: 2428037

20.0

1110

1

07/09/24

07/10/24



Chloride

Devon Energy - CarlsbadProject Name:Muskie 23 CTB 56488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo7/11/2024 3:42:31PM

### BH07-1' E407042-04

		E40/042-04					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Allalyte	Result	Limit	Diit	ation	Терагеи	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2428035
Benzene	ND	0.0250		1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/09/24	07/10/24	
Toluene	ND	0.0250		1	07/09/24	07/10/24	
o-Xylene	ND	0.0250		1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		97.0 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8		90.2 %	70-130		07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		97.0 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8		90.2 %	70-130		07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0		1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/09/24	07/10/24	
Surrogate: n-Nonane		102 %	50-200		07/09/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2428037
Chloride	21.5	20.0		1	07/09/24	07/10/24	



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

## **QC Summary Data**

Devon Energy - Carlsbad Muskie 23 CTB 5 Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 7/11/2024 3:42:31PM Volatile Organic Compounds by EPA 8260B Analyst: RKS Source Reporting Spike Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2428035-BLK1) Prepared: 07/09/24 Analyzed: 07/09/24 ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.498 0.500 99.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.475 0.500 94.9 70-130 0.500 93.9 70-130 Surrogate: Toluene-d8 0.470 LCS (2428035-BS1) Prepared: 07/09/24 Analyzed: 07/09/24 2.66 0.0250 2.50 106 70-130 Benzene 2.50 0.0250 2.50 100 70-130 Ethylbenzene 2.36 0.0250 2.50 94.6 70-130 2.45 2.50 97.9 70-130 o-Xylene 0.0250 98.3 4.91 5.00 70-130 p,m-Xylene 0.0500 7.36 0.0250 7.50 98.2 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.493 0.500 98.6 70-130 0.500 94.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.474 Surrogate: Toluene-d8 0.500 70-130 0.480 Matrix Spike (2428035-MS1) Source: E407038-04 Prepared: 07/09/24 Analyzed: 07/09/24 ND 48-131 2.75 0.0250 2.50 ND 45-135 Ethylbenzene 2.54 0.0250 2.50 102 2.42 ND 48-130 Toluene 0.0250 2.50 96.7

Matrix Spike Dup (2428035-MSD1)					Source: E407038-04			Prepared: 07/09/24 Analyzed: 07/09/2		
Benzene	2.80	0.0250	2.50	ND	112	48-131	1.50	23		
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135	3.91	27		
Toluene	2.49	0.0250	2.50	ND	99.7	48-130	3.06	24		
o-Xylene	2.65	0.0250	2.50	ND	106	43-135	5.62	27		
p,m-Xylene	5.32	0.0500	5.00	ND	106	43-135	5.59	27		
Total Xylenes	7.97	0.0250	7.50	ND	106	43-135	5.60	27		
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130				
Surrogate: Toluene-d8	0.476		0.500		95.2	70-130				

2.50

5.00

7.50

0.500

0.500

0.500

ND

ND

ND

100

101

100

99.7

96.0

95.0

43-135

43-135

43-135

70-130

70-130

70-130

2.51

5.03

7.53

0.499

0.480

0.475

0.0250

0.0500

0.0250

## **QC Summary Data**

Muskie 23 CTB 5 Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 7/11/2024 3:42:31PM Artesia NM, 88210 Project Manager: Ashley Giovengo

Nonhalogenated	<b>Organics</b>	by EPA	8015D - GRO
----------------	-----------------	--------	-------------

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428035-BLK1)							Prepared: 0'	7/09/24 A	nalyzed: 07/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			
LCS (2428035-BS2)							Prepared: 0'	7/09/24 A	nalyzed: 07/09/24
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			
					T. 10 T. 20 .		D 100		
Matrix Spike (2428035-MS2)				Source:	E407038-0	)4	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Matrix Spike (2428035-MS2) Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	Source:	99.4	70-130	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
	49.7 0.512	20.0	50.0 0.500			-	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Gasoline Range Organics (C6-C10)		20.0			99.4	70-130	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene	0.512	20.0	0.500		99.4	70-130 70-130	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.512 0.489	20.0	0.500 0.500	ND	99.4 102 97.7	70-130 70-130 70-130 70-130			nalyzed: 07/09/24 nalyzed: 07/09/24
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.512 0.489	20.0	0.500 0.500	ND	99.4 102 97.7 95.5	70-130 70-130 70-130 70-130			<u> </u>
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2428035-MSD2)	0.512 0.489 0.478		0.500 0.500 0.500	ND Source:	99.4 102 97.7 95.5 <b>E407038-</b> 0	70-130 70-130 70-130 70-130	Prepared: 0'	7/09/24 A	<u> </u>
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Matrix Spike Dup (2428035-MSD2) Gasoline Range Organics (C6-C10)	0.512 0.489 0.478		0.500 0.500 0.500	ND Source:	99.4 102 97.7 95.5 <b>E407038-0</b> 103	70-130 70-130 70-130 70-130 <b>04</b> 70-130	Prepared: 0'	7/09/24 A	<u> </u>



## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/11/2024 3:42:31PM

	Project Manager	r: As	hley Gioveng	go				7/11/2024 3:42:31PN	
Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: KM	
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
						Prepared: 0	7/09/24 A	nalyzed: 07/10/24	
ND	25.0								
ND	50.0								
49.3		50.0		98.6	50-200				
						Prepared: 0	7/09/24 A	nalyzed: 07/10/24	
296	25.0	250		118	38-132				
63.5		50.0		127	50-200				
			Source:	E407038-0	04	Prepared: 0	7/09/24 A	nalyzed: 07/10/24	
298	25.0	250	ND	119	38-132				
55.1		50.0		110	50-200				
			Source:	E407038-	04	Prepared: 0	7/09/24 A	nalyzed: 07/10/24	
296	25.0	250	ND	119	38-132	0.669	20		
	25.0								
	Result mg/kg  ND ND 49.3  296 63.5	Nonhalogenated Organization   Reporting Limit   mg/kg   Limit   mg/kg   ND   25.0   ND   50.0   49.3   296   25.0   63.5   298   25.0   55.1	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 80151   Result	Nonhalogenated Organics by EPA 8015D - DRO	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Limit   Level   Result   Rec   Limits   mg/kg   mg/kg   mg/kg   mg/kg   mg/kg   %   %   %	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   RPD   mg/kg   mg/kg   mg/kg   mg/kg   % % % % %   % %   %   %   %   %   %	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Reporting   Spike   Limit   Level   Result   Rec   Limits   RPD   Limit   mg/kg   mg/kg   mg/kg   % % % % % % % % % % % % % % % % % %	

## **QC Summary Data**

Devon Energy - Carlsbad		Project Name:		uskie 23 CTB	3 5				Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager:		.058-0007 shley Gioveng	go				7/11/2024 3:42:31PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428037-BLK1)							Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	ND	20.0							
LCS (2428037-BS1)							Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2428037-MS1)				Source:	E407038-0	04	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	373	20.0	250	120	101	80-120			
Matrix Spike Dup (2428037-MSD1)				Source:	E407038-0	04	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	377	20.0	250	120	103	80-120	0.933	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**

Devon Energy - Carlsbad	Project Name:	Muskie 23 CTB 5	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	07/11/24 15:42

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.



Page	of	1
	-	

	Clie	nt Inform	nation			Invoice Information	n				La	b Us	e On	ly				TA	T			Stat	te
Client: Devon Project: Muskie 23 CTB 5		Co								Job Number			1D	2D	3D Std	d	NM (	NM CO UT	TX				
		Ac			Eι	4070420				1058-0007							x						
Project N	Aanager: As	hley Giov	engo		Cit	ty, State, Zip: Hobbs NM, 88	240													3			
Address:	3122 Natio	nal Parks	Hwy		Ph	one: (575)748-1838							Ana	lysis	and	Met	hod				EP/	A Progr	am
	e, Zip: Carls					mail: dale.woodall@dvn.co	m													SE	DWA	CWA	RCRA
	575-988-005					cellaneous: Dale Woodall			- 1														
	giovengo@e		om							2	ın									Cor	mpliance	e Y	or N
Linan. u	giove: igoe e	11501011110	9.17							801	801			0			2	. 1		PW	VSID#		
-				Sam	ple Informati	on				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						
Time		San V	No. of			Carried In	P	Lal	b	/OR	NO/OR	K by	by 8	ride	00	100	A 8 P			1		Remark	.S
Sampled	Date Sampled	Matrix	Containers			Sample ID	Field	Lal Num	ber	DRC	GRC	BTE	Nov	Chlo	BGC	TCEC	RCR		4 4 1			a decidir of	
10:04	7/3/2024	S	1			BH06 - 0'		1							х								
10:24	7/3/2024	S	1			BH06 - 4'		2							х								
10:48	7/3/2024	S	1			BH07 - 0'	Ž.	3							х								
10:55	7/3/2024	S	1			BH07 - 1'		4							х								
							1																
									4						H					+			
							_													+			
									4											+			
	/											0											
chamilte	on@ensolum	n.com				, agiovengo@ensolum.com,																	
The state of the s	c _Cole Burton	e validity and	d authenticity	of this samp	ie. Tam aware th	at tampering with or intentionally misla	beling the sa	imple loc	ation	, date	or tim	e or cc	mection	n is co	lisidei	eumau	u anu	may De	grounds	idi iega	ii action.		
1000	ned by: (Signatu		Date 7	8/24	Time 7:16	Received by: (Signature)	Date	-8-2	14	Time	716	9			sampl	ed or re	eceived				e received o		day they are an 6 °C on
Refloquish	red by: (Signatu	re)	Date 7.	824	Time 1755	Received by (Signature)	Date 7		934	Time	7	55				eive	d on i	ice:	Lab (Y)/	Use C	Inly		
(V.	ned by: (Signatu		Date 7.	8.24	2400	Received by: (Signature)		-9-	24		120	)			<u>T1</u>				<u>T2</u>			Т3	
	ned by: (Signatu		Date		Time	Received by: (Signature)	Date		Tour	Time				-lest			np °C		1			-00	
Sample Ma	trix: <b>S</b> - Soil, <b>Sd</b> - S	Solid, Sg - Slu	idge, A - Aqui	eous, O - Oth	er														/ - VOA				
						r arrangements are made. Hazardo										e clie	nt exp	ense.	rne repo	rt for t	ine analy	sis of the	a above





Printed: 7/9/2024 4:55:51PM

### **Envirotech Analytical Laboratory**

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:	Devon Energy - Carlsbad	Date Received:	07/09/24 1	11:20	Work Order ID:	E407042
Phone:	(505) 382-1211	Date Logged In:	07/08/24 1	16:47	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	07/15/24	17:00 (4 day TAT)		
~	G 1 (GCG)					
	Custody (COC)					
	ne sample ID match the COC?	ah tha COC	Yes			
	ne number of samples per sampling site location mate	in the COC	Yes			
	amples dropped off by client or carrier?	4- <b>4 1</b> 0	Yes Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?				
5. were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		Comment	ts/Resolution
	<u> [urn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes <u>C</u>			
Sample (	<u>Container</u>					
_	queous VOC samples present?		No			
	OC 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			
	on-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal						
	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	Preservation COC COLUMN TO THE PROPERTY OF THE	10				
	the COC or field labels indicate the samples were pro	eserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
	filteration required and/or requested for dissolved m	etais?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subconti	act Laboratory					
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if		No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					



## **APPENDIX E**

**NMOCD Notification** 

<u>District I</u> 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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 332890

### **QUESTIONS**

Operator		OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP		6137
	333 West Sheridan Ave.	Action Number:
	Oklahoma City, OK 73102	332890
		Action Type:
		[NOTIFY] Notification Of Liner Inspection (C-141L)

### QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2407561521				
Incident Name	NAPP2407561521 MUSKIE 23 CTB 5 @ 0				
Incident Type	Produced Water Release				
Incident Status	Initial C-141 Approved				
Incident Facility	[fAPP2317134046] MUSKIE 23 CTB 5				

Location of Release Source	
Site Name	MUSKIE 23 CTB 5
Date Release Discovered	03/15/2024
Surface Owner	Federal

Liner Inspection Event Information						
Please answer all the questions in this group.						
What is the liner inspection surface area in square feet	9,000					
Have all the impacted materials been removed from the liner	Yes					
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	04/18/2024					
Time liner inspection will commence	09:00 AM					
Please provide any information necessary for observers to liner inspection	Ensolum 575-988-0055					
Please provide any information necessary for navigation to liner inspection site	32.0331535 -103.4354694					

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

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 332890

### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	332890
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

### CONDITIONS

Created	Condition	Condition
Ву		Date
wdale	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	4/12/2024

<u>District I</u> 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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 397788

### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	397788
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407561521
Incident Name	NAPP2407561521 MUSKIE 23 CTB 5 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2317134046] MUSKIE 23 CTB 5

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MUSKIE 23 CTB 5
Date Release Discovered	03/15/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Crude Oil   Released: 2 BBL   Recovered: 2 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 48 BBL   Recovered: 48 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	At the Muskie 23 CTB 5, the facility ESD'd around 5 am 3/15/24 on hi oil tanks due to Marathon LACT issues. Wells supplying the location failed to close and continued to fill up the tanks which caused the oil to eventually make its way out of the Enardo valves. This was caught relatively quickly but due to rain water in the containment, the spill is much larger than it would have been. 48 bbls produced water and 2 bbls of oil were spilled into a lined containment. 48 bbls produced water and 2 bbls of oil were recovered. LO, Lead, & OO S/l all wells manually. Function tested all ESD's and found the 6H to not work. 6H was left down and M1 submitted for repairs. Swamped out lines were drained. Amount released was 50 bbls but most was contaminated rain water. Only about 2 bbls of it was oil.

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 397788

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	TONS (continued)
Operator:  DEVON ENERGY PRODUCTION COMPANY, LP  333 West Sheridan Ave.  Oklahoma City, OK 73102	OGRID: 6137 Action Number: 397788 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	•
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	niation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required tasses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale Woodall@dvn.com

Date: 03/19/2024

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 397788

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	397788
	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	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This in	formation must be provided to th	ne appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this subn	nission	Yes
Attach a comprehensive report demonstrating the lateral and vertic	al extents of soil contamination a	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 be	een fully delineated	Yes
Was this release entirely contained within a lined conta	inment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500	OCIB)	286
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8	015M)	0
GRO+DRO (EPA SW-846 Method	8015M)	0
BTEX (EPA SW-846 Method	8021B or 8260B)	0
Benzene (EPA SW-846 Method	1 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization which includes the anticipated timelines for beginning and complete the complete timelines.		efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	е	01/01/2070
On what date will (or did) the final sampling or liner insp	pection occur	04/18/2024
On what date will (or was) the remediation complete(d)		01/01/2070
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	pe reclaimed	0
What is the estimated surface area (in square feet) that	will be remediated	0
What is the estimated volume (in cubic yards) that will be	pe remediated	0
These estimated dates and measurements are recognized to be the	best guess or calculation at the	time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have	ve to be minimally adjusted in acc	cordance 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.

District I

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 **District III** 

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV** 

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 397788

### **QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	397788
	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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
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	Not answered.
(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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 10/31/2024

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.

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 397788

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	397788
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### 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

<u>District I</u> 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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 6

Action 397788

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	397788
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
UESTIONS	
ampling Event Information	
Last sampling notification (C-141N) recorded	392421
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2024
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	4796
Remediation Closure Request	
inly answer the questions in this group if seeking remediation closure for this release because all re	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

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.

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 10/31/2024

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 7

Action 397788

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	397788
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### 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	

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

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 397788

### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	397788
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2407561521 MUSKIE 23 CTB 5, thank you. This Remediation Closure Report is approved.	11/12/2024