

SPICA 25 FED 4H

4/7/2024

OCD incident nAPP2409940657

API 30-015-40105

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
<u>1,462.00</u>	<u>0.50</u>
Cubic Feet of Soil Impacted	<u>60.92</u>
Barrels of Soil Impacted	<u>10.86</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.63</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.16
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
<u>25.00</u>	<u>3.500</u>
Standing fluid	<u>1.30</u>
Total fluids spilled	1.46

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	13.30
Width(Ft)	21.00
Depth(in.)	16
Total Capacity without tank displacements (bbls)	66.33
No. of 500 bbl Tanks In Standing Fluid	0
No. of Other Tanks In Standing Fluid	0
OD Of Other Tanks In Standing Fluid(feet)	0
Total Volume of standing fluid accounting for tank displacement.	66.33

Fluids spilled in containment (bbls)	66.33
Impacted surface soils (bbls)	1.46
Total Fluids Spilled (bbls)	67.79



October 4, 2024

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Remediation Work Plan
Spica 25 Federal #004H
Incident Number nAPP2409940657
Eddy County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company (Devon), has prepared this *Remediation Work Plan* (RWP) to document assessment and soil sampling activities performed at the Spica 25 Federal #004H (Site) in Unit M, Section 25, Township 19 South, Range 31 East, in Eddy County, New Mexico (Figure 1).

The purpose of the Site assessment and soil sampling activities was to address impacted and waste-containing soil resulting from a release of crude oil at the Site. Devon is submitting this RWP, describing analytical results from delineation soil sampling associated with Incident Number nAPP2409940657. Devon intends to complete the excavation/remediation of the release area and to conduct final confirmation sampling prior to submitting a *Deferral Request Report*.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Eddy County, New Mexico (32.6253204°, -103.8301849°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 4, 2024, the ULPS pop-off valve failed on a production tank, resulting in the release of 69 barrels (bbls) of crude oil both on and off pad; 63 bbls were recovered. The release impacted an off-pad area approximately 40,758 square feet in size and an on-pad area measuring 19,395 square feet in size. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via the NMOCD web portal on April 8, 2023. The release was assigned Incident Number nAPP2409940657.

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 the initial C-141 application subsection, Site 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 PC 01939 POD 1, with a depth to groundwater measurement of greater than 55 feet below ground surface (bgs). The well is located approximately 0.26 miles south of the Site. All wells used to establish depth to groundwater 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 a freshwater pond, located approximately 1.55 miles north 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 in 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: 10,000 mg/kg

Per 19.15.29.13 NMAC, reclamation of the off-pad release will meet the minimum of 4 feet of non-waste containing, uncontaminated earthen material with chloride concentrations less than 600 mg/kg.

SITE ASSESSMENT ACTIVITIES

On April 12, 2024, Ensolum personnel were onsite to evaluate the release extent and to conduct preliminary soil sampling activities. Preliminary assessment soil samples (SS01 through SS08) were collected at ground surface to verify the lateral extent of the release area.

On May 24, 2024, Ensolum personnel returned to the Site to continue delineation activities. Six borehole samples (BH01 and BH06) and lateral sample SS06A were collected. Boreholes BH01 through BH06 advanced via hand auger. Borehole BH01 was advanced to a depth of 5 feet bgs before hitting refusal. Boreholes BH02 and BH03 were advanced to a depth of 9 feet bgs before hitting refusal. Borehole BH04 was advanced to a depth of 2 feet bgs and boreholes BH05 and BH06 were advanced to a depth of 1-foot bgs.

On July 18, 2024, Ensolum personnel returned to the Site to advance boreholes BH01 through BH03 via a backhoe. Borehole BH01 was advanced to a depth of 8 feet bgs, borehole BH02 was advanced to a depth of 9 feet bgs, and borehole BH03 was advanced to a depth of 12 feet bgs. Discrete soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. The delineation soil sample locations are depicted on Figure 2. A photographic log of Site assessment and delineation soil sampling activities can be found in Appendix C.

The 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 Laboratory Analysis (Envirotech) in Farmington, New Mexico, for analysis of the following constituents 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 (SS01 through SS08), collected at ground surface were in compliance with the strictest Closure Criteria per NMOCD Table I and with the Site Closure Criteria. Discrete delineation soil samples collected from boreholes (BH01 through BH03) were all in compliance with the Site Closure Criteria at 4 feet bgs and in compliance with the Strictest Closure Criteria at 7, 9, and 12 feet bgs, respectively. Discrete delineation soil samples from BH04 and BH06 were in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface to 2-feet bgs. Discrete delineation soil samples collected from BH05 were in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at 1-foot bgs. Laboratory analytical results for delineation soil samples are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

The subject matter release has been lateral defined by delineation soil samples (SS01 through SS08) collected at ground surface and vertically defined by boreholes (BH01 through BH06) collected at depths ranging from of 1-foot to 12 feet bgs. Devon will need to select a subcontractor to complete excavation activities at the Site and proposes the following remedial actions:

- Selection of a subcontractor to complete the excavation/remediation of the release area. An estimated 2,130 cubic yards of impacted soil remain in place and will require excavation (see Figure 3 for the excavation dig plan). Impacted soil and waste containing soil will be transferred to an approved landfill facility for disposal.
- Devon respectfully requests a confirmation sampling variance at a frequency of one five-point composite soil sample every 400 square feet from the floor of the excavation and at a frequency of every 200 square feet from the sidewalls of the excavation. Based on the areal extent of the off-pad excavation area, the variance request will be equally protective of human health, the environment, and depth to ground water is reasonably estimated to be greater than 55 feet bgs, there are no other sensitive receptors in the vicinity of the Site. Therefore, this variance is believed to be equally protective of human health, the environment, and groundwater.
- The excavation will be backfilled and recontoured to match pre-existing conditions and the off-pad areas will be with an approved BLM seed mixture.

Devon will complete the proposed soil sampling activities within 180 days of the date of approval of this RWP by the NMOCD.

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 Dig Plan
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Appendix A	Well Log and Record
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Notifications






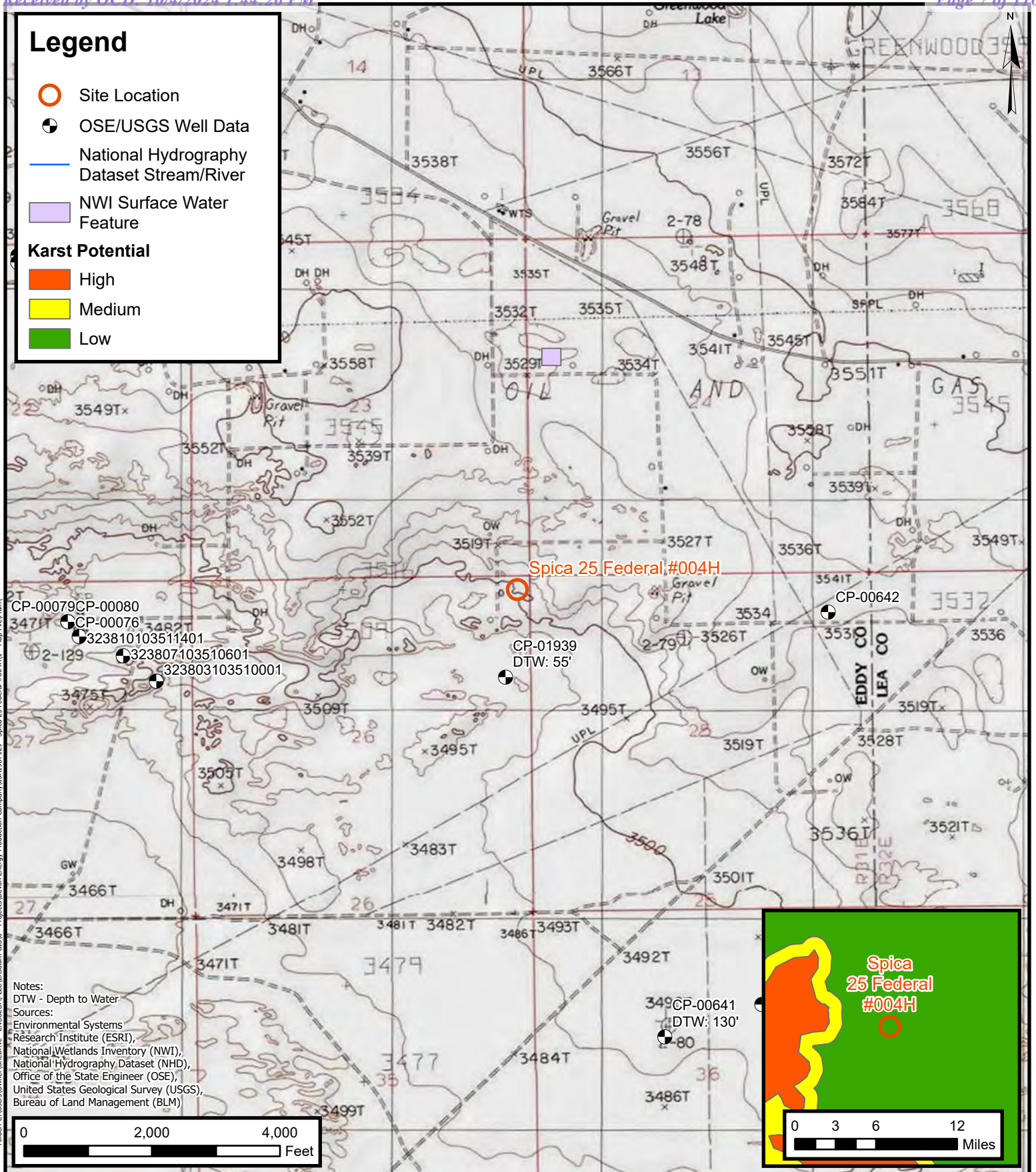
FIGURES

Legend

-  Site Location
-  OSE/USGS Well Data
-  National Hydrography Dataset Stream/River
-  NWI Surface Water Feature

Karst Potential

-  High
-  Medium
-  Low



Site Receptor Map

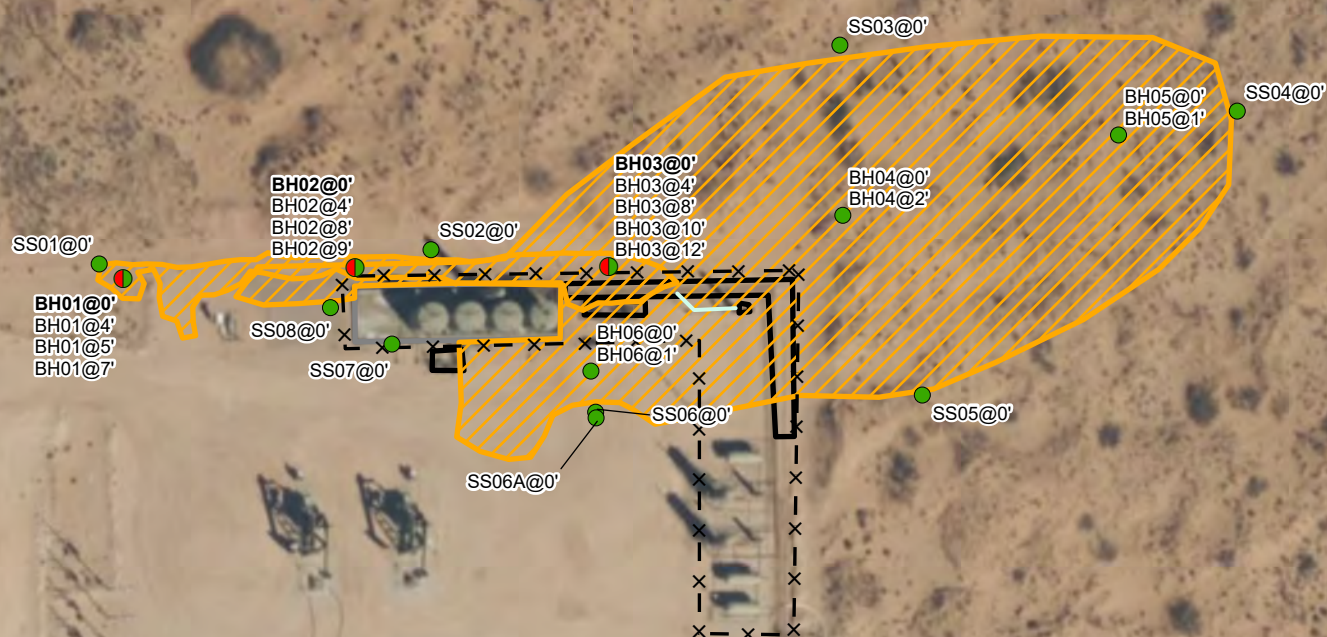
Devon Energy Production Company
Spica 25 Federal #004H
Incident Number: nAPP2409940657
Unit M, Section 25, T 19S, R 31E
Eddy County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Utility Lines
- x — Fence
- Release Extent
- Metal Berm
- Production Equipment



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.

0 25 50 100 150 200
 Feet

Sources: Environmental Systems Research Institute (ESRI)

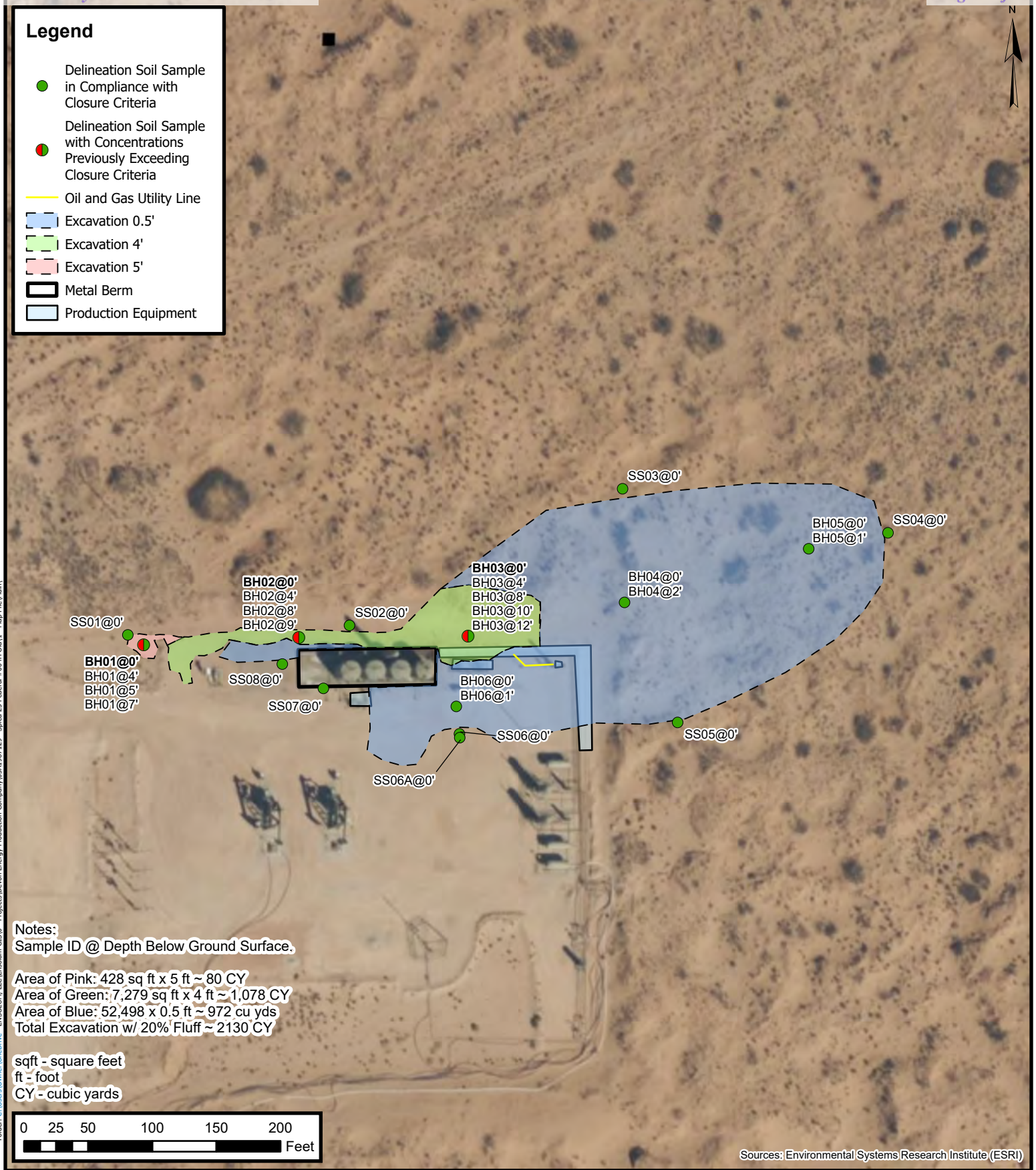


Delineation Soil Sample Locations

Devon Energy Production Company
 Spica 25 Federal #004H
 Incident Number: nAPP2409940657
 Unit M, Section 25, T 19S, R 31E
 Eddy County, New Mexico

FIGURE

2



Excavation Dig Plan

Devon Energy Production Company
Spica 25 Federal #004H
Incident Number: nAPP2409940657
Unit M, Section 25, T 19S, R 31E
Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Spica 25 Federal #004H
 Devon Energy Production Company, LP
 Eddy 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	1,000	2,500	10,000
Delineation Soil Samples										
SS01	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	615
SS06A	5/24/2024	0	0.0795	5.7095	21.0	34.6	<50.0	55.6	55.6	73.9
SS07	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.4
SS08	4/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.9
BH01	5/24/2024	0	1.430	302.73	2,140	14,900	6,670	8,810	23,710	<20.0
BH01	5/24/2024	4	<0.0250	0.9960	<20.0	797	493	797	1,290	<20.0
BH01	7/18/2024	5	0.147	0.7140	<20.0	567	161	567	728	26.5
BH01	7/18/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	5/24/2024	0	8.360	574	3,220	26000	11,500	3,220	40,720	21.6
BH02	5/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	136
BH02	5/24/2024	8	<0.0250	<0.0500	<20.0	266	187	266	453	<20.0
BH02	7/18/2024	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.2
BH03	5/24/2024	0	<0.0250	<0.0500	1,650	6300	3,350	7,950	11,300	59.6
BH03	5/24/2024	4	<0.0250	<0.0500	<20.0	63.1	75.0	63.1	138.1	3,020
BH03	5/24/2024	8	<0.0250	<0.0500	<20.0	82.8	73.7	82.8	156.5	236
BH03	7/18/2024	10	<0.0250	<0.0500	<20.0	26.7	<50.0	26.7	<50.0	647
BH03	7/18/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	469

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.

* 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.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 1-CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Spica 25 Federal #004H
 Devon Energy Production Company, LP
 Eddy 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	1,000	2,500	10,000
Delineation Soil Samples										
BH04	5/24/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	5/24/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	5/24/2024	0	<0.0250	<0.0500	<20.0	60.7	73.6	60.7	134.3	<20.0
BH05	5/24/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	5/24/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	63.2
BH06	5/24/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.9

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.

* 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.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S) CP-1939			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 38	SECONDS 3.45	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE -103	49	57.98	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SE NE Sec.26 T19S R31E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 4/6/23	DRILLING ENDED 4/6/23	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 4/18/23		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0	55	±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-01939	POD NO. 1	TRN NO. 740305
LOCATION 19S.31E.26.242	WELL TAG ID NO.	PAGE 1 OF 2


4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, fine-grained, poorly graded, unconsolidated, Tan	Y ✓ N	
	4	20	16	Sand, fine-grained, poorly graded, semi-consolidated, Tan off white	Y ✓ N	
	20	25	5	Clay, semi plastic, with fine-grained sand, gray/white	Y ✓ N	
	25	40	15	Clay, Stiff, semi-plastic, gray/white	Y ✓ N	
	40	55	15	Sand, fine/very fine-grained, poorly graded, unconsolidated, Tan	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 6 Regulus 26 Fed 2 <div style="text-align: right; color: gray;">USE D1, PPQ ID 2023-FAL 32</div>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt						
6. 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 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between;"> <div> Jackie D. Atkins </div> <div>4/27/23</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div> <div>DATE</div> </div>					


FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	CP-01939	POD NO.	1
LOCATION		TRN NO.	740305
195.31E.76 747-		WELL TAG ID NO	PAGE 2 OF 2





APPENDIX B


Lithologic Soil Sampling Logs


								Sample Name: BH01		Date: 07/18/2024	
								Site Name: Spica 25 Federal #004H			
								Incident Number: nAPP2409940657			
								Job Number: 03A1987129			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Brandon Deal		Method: Backhoe	
Coordinates: 32.638115, -103.832748								Hole Diameter: 3'		Total Depth: 7'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D		757	Y	BH01	0	0	SC	Clayey Sand - Strong odor, Dark Brown, coarse to very fine grain size, Moist, Non-Plastic, Noncohesive, Massive, Non-Uniform			
			Y	BH01	1	1					
			Y	BH01	2	2					
			Y	BH01	3	3	SC	Clayey Sand - Strong odor, Black, coarse to very fine grain size, Moist, Non-Plastic, Noncohesive, Massive, Non-Uniform			
			Y	BH01	4	4					
			N	BH01	5	5	CCHE	Caliche, Light Brown, Odor, Non-cohesive, Non-plastic, Dry, Medium grained sand			
				BH01	6	6					
D	<20.0	29	N	BH01	7	7	CCHE	Caliche, Light Brown, Fine grain, Non-plastic, Non-cohesive, Dry			
						8					
Total Depth @ 7 ft BGS.											

								Sample Name: BH02		Date: 07/18/2024	
								Site Name: Spica 25 Federal #004H			
								Incident Number: nAPP2409940657			
								Job Number: 03A1987129			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Bowan Simmons		Method: Backhoe	
32.638127, -103.832355								Hole Diameter: 3'		Total Depth: 9'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH02	0	0	SC	Clayey Sand - Strong odor, Dark Brown, coarse to very fine grain size, Moist, Non-Plastic, Noncohesive, Massive, Non-Uniform			
M			Y	BH02	1	1					
D			Y	BH02	2	2					
D			Y	BH02	3	3	SC	Clayey Sand - Strong odor, Black to Grey, coarse to very fine grain size, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform			
D			Y	BH02	4	4					
D			Y	BH02	5	5					
D			Y	BH02	6	6	SC	Clayey Sand - Strong odor, Dark Brown, coarse to very fine grain size, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform			
D			Y	BH02	7	7					
D			Y	BH02	8	8					
D	<20.0	32	N	BH02	9	9	CCHE	Caliche, Light Brown, Fine Sand, Dry, Non-plastic, Non-cohesive, Massive,			
Total Depth @ 9 feet BGS.											

								Sample Name: BH03		Date: 07/18/2024	
								Site Name: Spica 25 Federal #004H			
								Incident Number: nAPP2409940657			
								Job Number: 03A1987129			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Brandon Deal		Method: Backhoe	
Coordinates: 32.638125, 103.831926								Hole Diameter: 4'		Total Depth: 12'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH03	0	0	SC	Clayey Sand - Strong odor, Dark Brown, coarse to very fine grain size, Moist, Non-Plastic, Noncohesive, Massive, Non-Uniform			
M			Y	BH03	1	1					
M			Y	BH03	2	2					
D			N	BH03	3	3	SC	Clayey Sand - Strong odor, Dark Brown, coarse to very fine grain size, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform			
D			N	BH03	4	4					
D			N	BH03	5	5					
D			N	BH03	6	6					
D		199	N	BH03	7	7					
D			N	BH03	8	8					
D	767		N	BH03	9	9	CCHE	Caliche, Light Brown, Non-cohesive, Fine grain, Dry, Non-cohesive, Non-uniform,			
D	918		N	BH03	10	10					
D	565		N	BH03	11	11					
D	453	53	N	BH03	12	12	SW	Red Sand, Fine grain, Dry, Non-plastic, Non-cohesive, Thinly bedded			

								Sample Name: BH04		Date: 5/24/2024	
								Site Name: Spica 25 Federal #004H			
								Incident Number: nAPP2409940657			
								Job Number: 03A1987129			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Kaoru Shimada		Method: Hand Auger	
Coordinates: 32.638194, -103.831529								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			N	BH04	0	0		Silty Sand - Brown to Light Brown, fine to coarse grain size, Dry, Non-plastic, Noncohesive, Massive, Non-uniform			
D			N	BH04	1	1	SW				
D	ND	14	N	BH04	2	2					
Total Depth @ 2 feet BGS.											

								Sample Name: BH05		Date: 5/24/2024	
								Site Name: Spica 25 Federal #004H			
								Incident Number: nAPP2409940657			
								Job Number: 03A1987129			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Kaoru Shimada		Method: Hand Auger	
Coordinates: 32.638305 -103.831061								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			N	BH05	0	0	SW	Silty Sand - Brown to Light Brown, fine to coarse grain size, Dry, Non-plastic, Noncohesive, Massive, Non-uniform			
D	ND	41	N	BH05	1	1					
Total Depth @ 1-foot BGS.											

							Sample Name: BH06		Date: 5/24/2024	
							Site Name: Spica 25 Federal #004H			
							Incident Number: nAPP2409940657			
							Job Number: 03A1987129			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Kaoru Shimada		Method: Hand Auger	
Coordinates: 32.637975 -103.831958							Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D			N	BH06		0		Caliche Pad - Brown to Light Brown, coarse to fine grain size with small to large gravel, Dry, Non-Plastic, Noncohesive, Non-Uniform		
D	ND	8	N	BH06		1	CCHE			
Total Depth @ 1-foot BGS.										



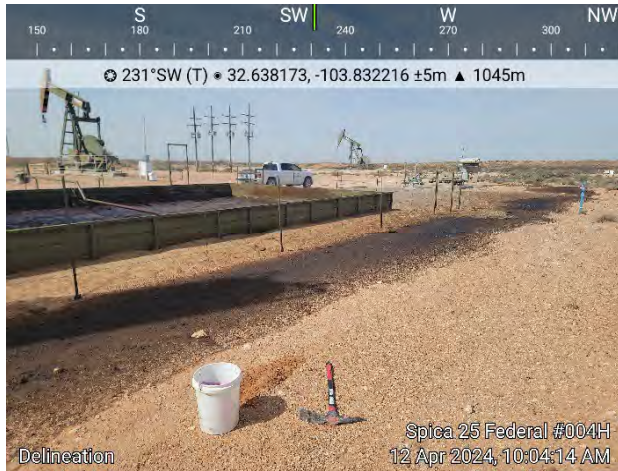
APPENDIX C

Photographic Log



Photographic Log

Devon Energy Production Company, LP
Spica 25 Federal #004H
nAPP2409940657



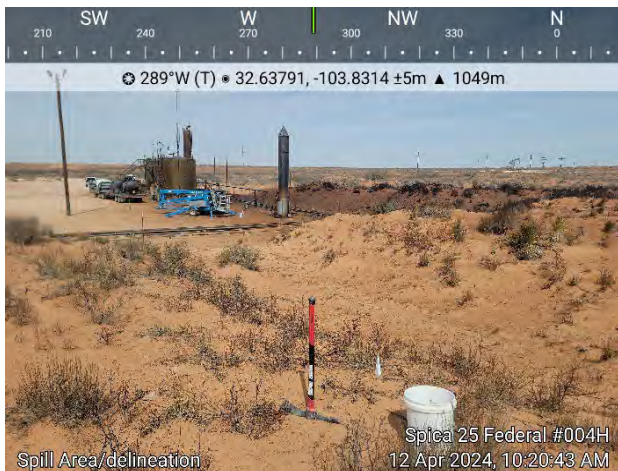
Photograph 1
Description: Release Area
View: Southwest

Date: 4/12/2024



Photograph 2
Description: Release Area
View: East

Date: 4/12/2024



Photograph 3
Description: Release Area
View: West

Date: 4/12/2024



Photograph 4
Description: Release Area
View: Northeast

Date: 4/12/2024



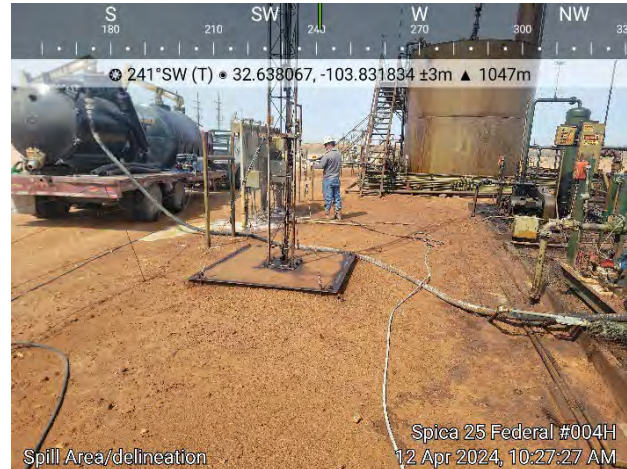
Photographic Log

Devon Energy Production Company, LP
Spica 25 Federal #004H
nAPP2409940657



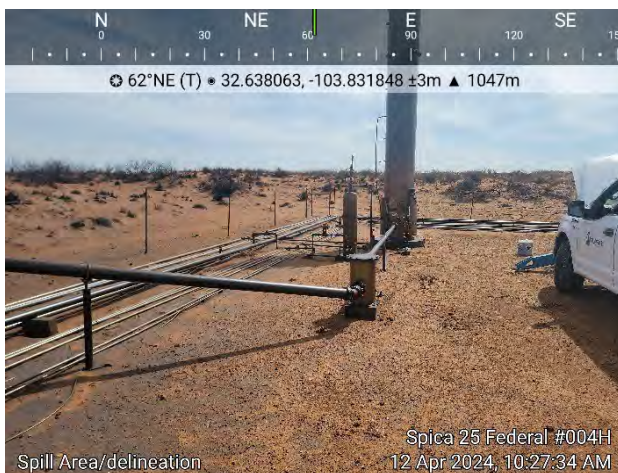
Photograph 5
Description: Release Area
View: West

Date: 4/12/2024



Photograph 6
Description: Release Area
View: Southwest

Date: 4/12/2024



Photograph 7
Description: Release Area
View: Northeast

Date: 4/12/2024



Photograph 8
Description: Delineation (BH06)
View: Southwest

Date: 5/24/2024



Photographic Log

Devon Energy Production Company, LP
Spica 25 Federal #004H
nAPP2409940657

West Elevation

82°E (T) • 32.637959, -103.832024 ±72m



24 May 2024, 12:46:26 PM

Photograph 9

Date: 5/24/2024

Description: Delineation (BH01)

View: East

North Elevation

176°S (T) • 32.63796, -103.832022 ±64m



24 May 2024, 1:44:18 PM

Photograph 10

Date: 5/24/2024

Description: Delineation (BH02)

View: South

SE 150 S 180 SW 210 240

182°S (T) • 32.63796, -103.832019 ±20m



24 May 2024, 4:09:51 PM

Photograph 11

Date: 5/24/2024

Description: Delineation (BH03)

View: South

S 180 SW 210 240 W 270 NW 300 330

259°W (T) • 32.638133, -103.831438 ±16m



24 May 2024, 2:10:57 PM

Photograph 12

Date: 5/24/2024

Description: Delineation (BH04)

View: West



Photographic Log

Devon Energy Production Company, LP
Spica 25 Federal #004H
nAPP2409940657

North East Elevation

245°SW (T) • 32.638328, -103.831024 ±263m



24 May 2024, 2:03:56 PM

Photograph 13

Date: 5/24/2024

Description: Delineation (BH05)

View: Southwest



24 May 2024, 4:10:08 PM

Photograph 14

Date: 5/24/2024

Description: Release Area

View: East



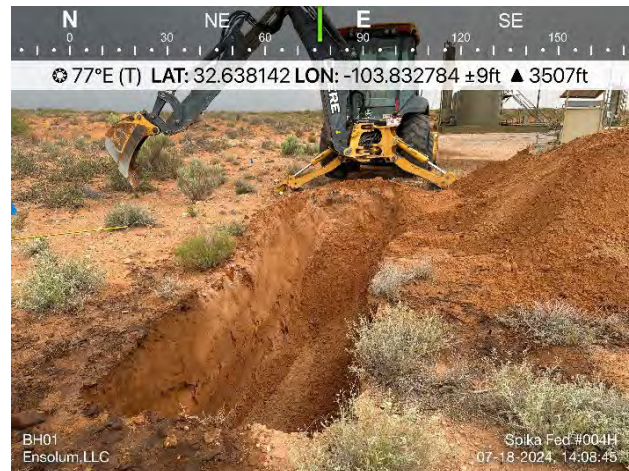
24 May 2024, 4:24:36 PM

Photograph 15

Date: 5/24/2024

Description: Release Area

View: Northeast



BH01
Ensolum, LLC

Soka Fed #004H
07-18-2024, 14:08:45

Photograph 16

Date: 7/18/2024

Description: Delineation (BH01)

View: East



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Spica 25 federal #004H

Work Order: E404132

Job Number: 01058-0007

Received: 4/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/22/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 4/22/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Spica 25 federal #004H
Workorder: E404132
Date Received: 4/16/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/16/2024 8:30:00AM, under the Project Name: Spica 25 federal #004H.

The analytical test results summarized in this report with the Project Name: Spica 25 federal #004H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/22/24 15:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E404132-01A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.
SS02-0'	E404132-02A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.
SS03-0'	E404132-03A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.
SS04-0'	E404132-04A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.
SS05-0'	E404132-05A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.
SS06-0'	E404132-06A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.
SS07-0'	E404132-07A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.
SS08-0'	E404132-08A	Soil	04/12/24	04/16/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Spica 25 federal #004H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/22/2024 3:37:32PM
---	--	----------------------------------

SS01-0'
E404132-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2416052	
Benzene	ND	0.0250	1	04/16/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/17/24	
Toluene	ND	0.0250	1	04/16/24	04/17/24	
o-Xylene	ND	0.0250	1	04/16/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene		92.4 %	70-130	04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	04/16/24	04/17/24	
Surrogate: Toluene-d8		97.5 %	70-130	04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2416052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene		92.4 %	70-130	04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	04/16/24	04/17/24	
Surrogate: Toluene-d8		97.5 %	70-130	04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2416095	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane		74.3 %	50-200	04/18/24	04/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2416082	
Chloride	ND	20.0	1	04/17/24	04/19/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Spica 25 federal #004H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/22/2024 3:37:32PM

SS02-0'

E404132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Benzene	ND	0.0250	1	04/16/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/17/24	
Toluene	ND	0.0250	1	04/16/24	04/17/24	
o-Xylene	ND	0.0250	1	04/16/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.8 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	97.9 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.8 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	97.9 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2416095
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane	78.4 %	50-200		04/18/24	04/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2416082
Chloride	ND	20.0	1	04/17/24	04/19/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Spica 25 federal #004H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/22/2024 3:37:32PM
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SS03-0'

E404132-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Benzene	ND	0.0250	1	04/16/24	04/16/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/16/24	
Toluene	ND	0.0250	1	04/16/24	04/16/24	
o-Xylene	ND	0.0250	1	04/16/24	04/16/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/16/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/16/24	
Surrogate: Bromofluorobenzene	83.2 %	70-130		04/16/24	04/16/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		04/16/24	04/16/24	
Surrogate: Toluene-d8	102 %	70-130		04/16/24	04/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/16/24	
Surrogate: Bromofluorobenzene	83.2 %	70-130		04/16/24	04/16/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		04/16/24	04/16/24	
Surrogate: Toluene-d8	102 %	70-130		04/16/24	04/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2416095
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane	78.8 %	50-200		04/18/24	04/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2416082
Chloride	ND	20.0	1	04/17/24	04/19/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Spica 25 federal #004H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/22/2024 3:37:32PM

SS04-0'

E404132-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Benzene	ND	0.0250	1	04/16/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/17/24	
Toluene	ND	0.0250	1	04/16/24	04/17/24	
o-Xylene	ND	0.0250	1	04/16/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	94.4 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.5 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	94.4 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.5 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2416095
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane	80.6 %	50-200		04/18/24	04/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2416082
Chloride	ND	20.0	1	04/17/24	04/19/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Spica 25 federal #004H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/22/2024 3:37:32PM

SS05-0'

E404132-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Benzene	ND	0.0250	1	04/16/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/17/24	
Toluene	ND	0.0250	1	04/16/24	04/17/24	
o-Xylene	ND	0.0250	1	04/16/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.0 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.1 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.0 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.1 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2416095
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane	79.9 %	50-200		04/18/24	04/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2416082
Chloride	ND	20.0	1	04/17/24	04/19/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Spica 25 federal #004H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/22/2024 3:37:32PM

SS06-0'

E404132-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Benzene	ND	0.0250	1	04/16/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/17/24	
Toluene	ND	0.0250	1	04/16/24	04/17/24	
o-Xylene	ND	0.0250	1	04/16/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.6 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.6 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.6 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.6 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2416095
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane	82.3 %	50-200		04/18/24	04/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2416082
Chloride	615	20.0	1	04/17/24	04/19/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Spica 25 federal #004H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/22/2024 3:37:32PM
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SS07-0'

E404132-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Benzene	ND	0.0250	1	04/16/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/17/24	
Toluene	ND	0.0250	1	04/16/24	04/17/24	
o-Xylene	ND	0.0250	1	04/16/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.2 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	100 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	92.2 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	100 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2416095
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane	83.2 %	50-200		04/18/24	04/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2416082
Chloride	26.4	20.0	1	04/17/24	04/19/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Spica 25 federal #004H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/22/2024 3:37:32PM

SS08-0'

E404132-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Benzene	ND	0.0250	1	04/16/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/16/24	04/17/24	
Toluene	ND	0.0250	1	04/16/24	04/17/24	
o-Xylene	ND	0.0250	1	04/16/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/16/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	94.3 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.8 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2416052
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/24	04/17/24	
Surrogate: Bromofluorobenzene	94.3 %	70-130		04/16/24	04/17/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		04/16/24	04/17/24	
Surrogate: Toluene-d8	98.8 %	70-130		04/16/24	04/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2416095
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane	80.9 %	50-200		04/18/24	04/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2416082
Chloride	84.9	20.0	1	04/17/24	04/19/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/22/2024 3:37:32PM

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 (2416052-BLK1) Prepared: 04/16/24 Analyzed: 04/16/24

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	0.460		0.500		92.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			

LCS (2416052-BS1) Prepared: 04/16/24 Analyzed: 04/16/24

Benzene	2.36	0.0250	2.50		94.4	70-130			
Ethylbenzene	2.32	0.0250	2.50		93.0	70-130			
Toluene	2.14	0.0250	2.50		85.5	70-130			
o-Xylene	2.36	0.0250	2.50		94.6	70-130			
p,m-Xylene	4.77	0.0500	5.00		95.3	70-130			
Total Xylenes	7.13	0.0250	7.50		95.1	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.421		0.500		84.2	70-130			

Matrix Spike (2416052-MS1) Source: E404132-03 Prepared: 04/16/24 Analyzed: 04/16/24

Benzene	2.33	0.0250	2.50	ND	93.2	48-131			
Ethylbenzene	2.31	0.0250	2.50	ND	92.5	45-135			
Toluene	2.56	0.0250	2.50	ND	102	48-130			
o-Xylene	2.23	0.0250	2.50	ND	89.3	43-135			
p,m-Xylene	4.46	0.0500	5.00	ND	89.2	43-135			
Total Xylenes	6.69	0.0250	7.50	ND	89.2	43-135			
Surrogate: Bromofluorobenzene	0.456		0.500		91.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

Matrix Spike Dup (2416052-MSD1) Source: E404132-03 Prepared: 04/16/24 Analyzed: 04/16/24

Benzene	2.32	0.0250	2.50	ND	92.8	48-131	0.473	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.4	45-135	0.990	27	
Toluene	2.67	0.0250	2.50	ND	107	48-130	4.48	24	
o-Xylene	2.38	0.0250	2.50	ND	95.1	43-135	6.22	27	
p,m-Xylene	4.52	0.0500	5.00	ND	90.3	43-135	1.25	27	
Total Xylenes	6.89	0.0250	7.50	ND	91.9	43-135	2.94	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/22/2024 3:37:32PM

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 (2416052-BLK1) Prepared: 04/16/24 Analyzed: 04/16/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.460		0.500		92.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			

LCS (2416052-BS2) Prepared: 04/16/24 Analyzed: 04/16/24

Gasoline Range Organics (C6-C10)	57.9	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	0.428		0.500		85.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

Matrix Spike (2416052-MS2) Source: E404132-03 Prepared: 04/16/24 Analyzed: 04/16/24

Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130			
Surrogate: Bromofluorobenzene	0.469		0.500		93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.8	70-130			

Matrix Spike Dup (2416052-MSD2) Source: E404132-03 Prepared: 04/16/24 Analyzed: 04/16/24

Gasoline Range Organics (C6-C10)	65.9	20.0	50.0	ND	132	70-130	10.9	20	M1
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/22/2024 3:37:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2416095-BLK1) Prepared: 04/18/24 Analyzed: 04/19/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.0		50.0		83.9	50-200			

LCS (2416095-BS1) Prepared: 04/18/24 Analyzed: 04/19/24

Diesel Range Organics (C10-C28)	242	25.0	250		96.9	38-132			
Surrogate: n-Nonane	43.5		50.0		87.1	50-200			

Matrix Spike (2416095-MS1) Source: E404132-03 Prepared: 04/18/24 Analyzed: 04/19/24

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132			
Surrogate: n-Nonane	41.0		50.0		82.0	50-200			

Matrix Spike Dup (2416095-MSD1) Source: E404132-03 Prepared: 04/18/24 Analyzed: 04/19/24

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132	2.60	20	
Surrogate: n-Nonane	42.3		50.0		84.5	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/22/2024 3:37:32PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2416082-BLK1)					Prepared: 04/17/24 Analyzed: 04/19/24				
Chloride	ND	20.0							
LCS (2416082-BS1)					Prepared: 04/17/24 Analyzed: 04/19/24				
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2416082-MS1)					Source: E404119-03		Prepared: 04/17/24 Analyzed: 04/19/24		
Chloride	647	20.0	250	368	112	80-120			
Matrix Spike Dup (2416082-MSD1)					Source: E404119-03		Prepared: 04/17/24 Analyzed: 04/19/24		
Chloride	645	20.0	250	368	111	80-120	0.227	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:	Spica 25 federal #004H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/22/24 15:37

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

Client: Devon	Bill To	Lab Use Only	TAT	EPA Program
Project: Spica 25 Federal #004H	Attention: Dale Woodall	Lab WO#	1D 2D 3D Standard	CWA SDWA
Project Manager: Ashley Gioveno	Address: 205 E Bender Road #150	E 404132	x	
Address: 3122 National Parks Hwy	City, State, Zip: Hobbs NM, 88240	Job Number		RCRA
City, State, Zip: Carlsbad NM, 88220	Phone: (575)748-1838	Analysis and Method		
Phone: 575-988-0055	Email: dale.woodall@dmn.com			
Email: agioveno@ensolum.com				
Report due by:				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:01	4/12/2024	Soil	1	SS01 - 0'	1						X		
11:35	4/12/2024	Soil	1	SS02 - 0'	2						X		
10:15	4/12/2024	Soil	1	SS03 - 0'	3						X		
10:18	4/12/2024	Soil	1	SS04 - 0'	4						X		
10:22	4/12/2024	Soil	1	SS05 - 0'	5						X		
10:56	4/12/2024	Soil	1	SS06 - 0'	6						X		
11:21	4/12/2024	Soil	1	SS07 - 0'	7						X		
11:37	4/12/2024	Soil	1	SS08 - 0'	8						X		

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, dale.woodall@dmn.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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
C. Burton		4-15-24	7:30	Michelle Gonzales		4-15-24	0730	Received on ice: (Y) N			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3			
Michelle Gonzales		4-15-24	1620	J.M.		4-15-24	1800				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C			
J.M.		4-15-24	2400	[Signature]		4-16-24	830	4			

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

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

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



envirotech

Envirotech Analytical Laboratory

Printed: 4/16/2024 1:54:36PM

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:	04/16/24 08:30	Work Order ID:	E404132
Phone:	(505) 382-1211	Date Logged In:	04/16/24 09:12	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	04/22/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Spica 25 Federal #004 H

Work Order: E405377

Job Number: 23003-0002

Received: 5/29/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/10/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 6/10/24

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



Project Name: Spica 25 Federal #004 H
Workorder: E405377
Date Received: 5/29/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/29/2024 8:00:00AM, under the Project Name: Spica 25 Federal #004 H.

The analytical test results summarized in this report with the Project Name: Spica 25 Federal #004 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Spica 25 Federal #004 H

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

06/10/24 10:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06A - 0'	E405377-01A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH01 - 0'	E405377-02A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH01 - 4'	E405377-03A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH02 - 0'	E405377-04A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH02 - 4'	E405377-05A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH02 - 8'	E405377-06A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH03 - 0'	E405377-07A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH03 - 4'	E405377-08A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH03 - 8'	E405377-09A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH04 - 0'	E405377-10A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH04 - 2'	E405377-11A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH05 - 0'	E405377-12A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH05 - 1'	E405377-13A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH06 - 0'	E405377-14A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.
BH06 - 1'	E405377-15A	Soil	05/24/24	05/29/24	Glass Jar, 4 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Spica 25 Federal #004 H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/10/2024 10:23:24AM

SS06A - 0'

E405377-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	0.0795	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	1.22	0.0250	1	05/31/24	06/06/24	
Toluene	2.31	0.0250	1	05/31/24	06/06/24	
o-Xylene	0.489	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	1.61	0.0500	1	05/31/24	06/06/24	
Total Xylenes	2.10	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	21.0	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	34.6	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		111 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	73.9	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH01 - 0'

E405377-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	1.43	0.250	10	05/31/24	06/06/24	
Ethylbenzene	77.2	0.250	10	05/31/24	06/06/24	
Toluene	79.1	0.250	10	05/31/24	06/06/24	
o-Xylene	45.7	0.250	10	05/31/24	06/06/24	
p,m-Xylene	99.4	0.500	10	05/31/24	06/06/24	
Total Xylenes	145	0.250	10	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		05/31/24	06/06/24	
Surrogate: Toluene-d8	106 %	70-130		05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	2140	200	10	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		05/31/24	06/06/24	
Surrogate: Toluene-d8	106 %	70-130		05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	14900	500	20	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	6670	1000	20	06/04/24	06/06/24	
Surrogate: n-Nonane	337 %	50-200		06/04/24	06/06/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	ND	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Spica 25 Federal #004 H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/10/2024 10:23:24AM

BH01 - 4'

E405377-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	0.251	0.0250	1	05/31/24	06/06/24	
Toluene	0.186	0.0250	1	05/31/24	06/06/24	
o-Xylene	0.191	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	0.369	0.0500	1	05/31/24	06/06/24	
Total Xylenes	0.559	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	797	50.0	2	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	493	100	2	06/04/24	06/06/24	
Surrogate: n-Nonane		90.2 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	ND	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH02 - 0'

E405377-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	8.36	0.500	20	05/31/24	06/06/24	
Ethylbenzene	134	0.500	20	05/31/24	06/06/24	
Toluene	187	0.500	20	05/31/24	06/06/24	
o-Xylene	74.7	0.500	20	05/31/24	06/06/24	
p,m-Xylene	170	1.00	20	05/31/24	06/06/24	
Total Xylenes	245	0.500	20	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		105 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	3220	400	20	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		105 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	26000	500	20	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	11500	1000	20	06/04/24	06/06/24	
Surrogate: n-Nonane		515 %	50-200	06/04/24	06/06/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	21.6	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH02 - 4'

E405377-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		97.2 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		97.2 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		99.7 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	136	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH02 - 8'

E405377-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		100 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		100 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	266	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	187	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		103 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	ND	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
---	---	-----------------------------------

BH03 - 0'

E405377-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2422105	
Benzene	1.63	0.500	20	05/31/24	06/06/24	
Ethylbenzene	62.6	0.500	20	05/31/24	06/06/24	
Toluene	59.2	0.500	20	05/31/24	06/06/24	
o-Xylene	39.8	0.500	20	05/31/24	06/06/24	
p,m-Xylene	83.4	1.00	20	05/31/24	06/06/24	
Total Xylenes	123	0.500	20	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene	107 %	70-130		05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		05/31/24	06/06/24	
Surrogate: Toluene-d8	102 %	70-130		05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2422105	
Gasoline Range Organics (C6-C10)	1650	400	20	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene	107 %	70-130		05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		05/31/24	06/06/24	
Surrogate: Toluene-d8	102 %	70-130		05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2423048	
Diesel Range Organics (C10-C28)	6300	500	20	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	3350	1000	20	06/04/24	06/06/24	
Surrogate: n-Nonane	75.1 %	50-200		06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2423026	
Chloride	59.6	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Spica 25 Federal #004 H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/10/2024 10:23:24AM

BH03 - 4'

E405377-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		100 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		100 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	63.1	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	75.0	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		113 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	3020	40.0	2	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Spica 25 Federal #004 H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/10/2024 10:23:24AM

BH03 - 8'

E405377-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		97.4 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		97.4 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	82.8	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	73.7	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		109 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	236	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH04 - 0'

E405377-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		99.2 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		99.2 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		106 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	ND	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH04 - 2'

E405377-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		99.6 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		99.6 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		113 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	ND	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Spica 25 Federal #004 H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/10/2024 10:23:24AM

BH05 - 0'

E405377-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		100 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		100 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	60.7	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	73.6	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		109 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	ND	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH05 - 1'

E405377-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		108 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	ND	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Spica 25 Federal #004 H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/10/2024 10:23:24AM
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BH06 - 0'

E405377-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		99.1 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		99.1 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		114 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	63.2	20.0	1	06/03/24	06/04/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Spica 25 Federal #004 H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/10/2024 10:23:24AM

BH06 - 1'

E405377-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Benzene	ND	0.0250	1	05/31/24	06/06/24	
Ethylbenzene	ND	0.0250	1	05/31/24	06/06/24	
Toluene	ND	0.0250	1	05/31/24	06/06/24	
o-Xylene	ND	0.0250	1	05/31/24	06/06/24	
p,m-Xylene	ND	0.0500	1	05/31/24	06/06/24	
Total Xylenes	ND	0.0250	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2422105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/24	06/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/31/24	06/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	05/31/24	06/06/24	
Surrogate: Toluene-d8		101 %	70-130	05/31/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2423048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane		109 %	50-200	06/04/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423026
Chloride	58.9	20.0	1	06/03/24	06/04/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Spica 25 Federal #004 H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/10/2024 10:23:24AM

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 (2422105-BLK1) Prepared: 05/31/24 Analyzed: 06/05/24

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	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

LCS (2422105-BS1) Prepared: 05/31/24 Analyzed: 06/05/24

Benzene	2.50	0.0250	2.50		99.8	70-130			
Ethylbenzene	2.56	0.0250	2.50		102	70-130			
Toluene	2.44	0.0250	2.50		97.6	70-130			
o-Xylene	2.59	0.0250	2.50		104	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.76	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS Dup (2422105-BSD1) Prepared: 05/31/24 Analyzed: 06/06/24

Benzene	2.53	0.0250	2.50		101	70-130	1.53	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	1.22	27	
Toluene	2.48	0.0250	2.50		99.2	70-130	1.67	24	
o-Xylene	2.71	0.0250	2.50		108	70-130	4.52	27	
p,m-Xylene	5.39	0.0500	5.00		108	70-130	4.27	27	
Total Xylenes	8.11	0.0250	7.50		108	70-130	4.36	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Spica 25 Federal #004 H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/10/2024 10:23:24AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2422105-BLK1) Prepared: 05/31/24 Analyzed: 06/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

LCS (2422105-BS2) Prepared: 05/31/24 Analyzed: 06/06/24

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS Dup (2422105-BSD2) Prepared: 05/31/24 Analyzed: 06/06/24

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130	3.92	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Spica 25 Federal #004 H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/10/2024 10:23:24AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2423048-BLK1)					Prepared: 06/04/24 Analyzed: 06/06/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	50-200			

LCS (2423048-BS1)					Prepared: 06/04/24 Analyzed: 06/06/24				
Diesel Range Organics (C10-C28)	308	25.0	250		123	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			

LCS Dup (2423048-BSD1)					Prepared: 06/04/24 Analyzed: 06/06/24				
Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132	0.194	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Spica 25 Federal #004 H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/10/2024 10:23:24AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2423026-BLK1)						Prepared: 06/03/24 Analyzed: 06/03/24			
Chloride	ND	20.0							
LCS (2423026-BS1)						Prepared: 06/03/24 Analyzed: 06/03/24			
Chloride	252	20.0	250		101	90-110			
LCS Dup (2423026-BSD1)						Prepared: 06/03/24 Analyzed: 06/04/24			
Chloride	251	20.0	250		101	90-110	0.336	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:	Spica 25 Federal #004 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/10/24 10:23

- 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: Spica 25 Federal #004 H				Address: 3122 National Parks Hwy				E 405377		12303-0002					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																									
												Analysis and Method								EPA Program					
												DRO/RO 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	
																				Compliance		Y	or	N	
																				PWSID #					
Sample Information																									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number													Remarks						
1114	5/24/2024	Soil	1	SS06A-0'		1									X										
1213	5/24/2024	Soil	1	BH01-0'		2									X										
1222	5/24/2024	Soil	1	BH01-4'		3									X										
1259	5/24/2024	Soil	1	BH02-0'		4									X										
1311	5/24/2024	Soil	1	BH02-4'		5									X										
1340	5/24/2024	Soil	1	BH02-8'		6									X										
1445	5/24/2024	Soil	1	BH03-0'		7									X										
1456	5/24/2024	Soil	1	BH03-4'		8									X										
1610	5/24/2024	Soil	1	BH03-8'		9									X										
1407	5/24/2024	Soil	1	BH04-0'		10									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: Kaoru Shimada																									
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: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
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.																									

Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 5/29/2024 1:11:02PM

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:	05/29/24 08:00	Work Order ID:	E405377
Phone:	(972) 371-5200	Date Logged In:	05/29/24 12:00	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	06/07/24 17:00 (7 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? 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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Spica 25 federal #004H

Work Order: E407162

Job Number: 01058-0007

Received: 7/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/23/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 7/23/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Spica 25 federal #004H
Workorder: E407162
Date Received: 7/22/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/22/2024 8:30:00AM, under the Project Name: Spica 25 federal #004H.

The analytical test results summarized in this report with the Project Name: Spica 25 federal #004H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	07/23/24 13:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-5'	E407162-01A	Soil	07/18/24	07/22/24	Glass Jar, 2 oz.
BH01-7'	E407162-02A	Soil	07/18/24	07/22/24	Glass Jar, 2 oz.
BH02-9'	E407162-03A	Soil	07/18/24	07/22/24	Glass Jar, 2 oz.
BH03-10'	E407162-04A	Soil	07/18/24	07/22/24	Glass Jar, 2 oz.
BH03-12'	E407162-05A	Soil	07/18/24	07/22/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Spica 25 federal #004H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/23/2024 1:34:12PM
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BH01-5'
E407162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Benzene	ND	0.0250	1	07/22/24	07/22/24	
Ethylbenzene	0.147	0.0250	1	07/22/24	07/22/24	
Toluene	ND	0.0250	1	07/22/24	07/22/24	
o-Xylene	0.239	0.0250	1	07/22/24	07/22/24	
p,m-Xylene	0.328	0.0500	1	07/22/24	07/22/24	
Total Xylenes	0.567	0.0250	1	07/22/24	07/22/24	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/24	07/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430001	
Diesel Range Organics (C10-C28)	567	25.0	1	07/22/24	07/22/24	
Oil Range Organics (C28-C36)	161	50.0	1	07/22/24	07/22/24	
Surrogate: n-Nonane	109 %	50-200		07/22/24	07/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2430006	
Chloride	26.5	20.0	1	07/22/24	07/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Spica 25 federal #004H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/23/2024 1:34:12PM
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BH01-7'

E407162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Benzene	ND	0.0250	1	07/22/24	07/22/24	
Ethylbenzene	ND	0.0250	1	07/22/24	07/22/24	
Toluene	ND	0.0250	1	07/22/24	07/22/24	
o-Xylene	ND	0.0250	1	07/22/24	07/22/24	
p,m-Xylene	ND	0.0500	1	07/22/24	07/22/24	
Total Xylenes	ND	0.0250	1	07/22/24	07/22/24	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/24	07/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430001	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/22/24	07/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/22/24	07/22/24	
Surrogate: n-Nonane	106 %	50-200		07/22/24	07/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2430006	
Chloride	ND	20.0	1	07/22/24	07/22/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Spica 25 federal #004H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/23/2024 1:34:12PM

BH02-9'

E407162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2430007
Benzene	ND	0.0250	1	07/22/24	07/22/24	
Ethylbenzene	ND	0.0250	1	07/22/24	07/22/24	
Toluene	ND	0.0250	1	07/22/24	07/22/24	
o-Xylene	ND	0.0250	1	07/22/24	07/22/24	
p,m-Xylene	ND	0.0500	1	07/22/24	07/22/24	
Total Xylenes	ND	0.0250	1	07/22/24	07/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2430007
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/24	07/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2430001
Diesel Range Organics (C10-C28)	ND	25.0	1	07/22/24	07/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/22/24	07/22/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		07/22/24	07/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2430006
Chloride	78.2	20.0	1	07/22/24	07/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Spica 25 federal #004H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/23/2024 1:34:12PM
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BH03-10'

E407162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Benzene	ND	0.0250	1	07/22/24	07/22/24	
Ethylbenzene	ND	0.0250	1	07/22/24	07/22/24	
Toluene	ND	0.0250	1	07/22/24	07/22/24	
o-Xylene	ND	0.0250	1	07/22/24	07/22/24	
p,m-Xylene	ND	0.0500	1	07/22/24	07/22/24	
Total Xylenes	ND	0.0250	1	07/22/24	07/22/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/24	07/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430001	
Diesel Range Organics (C10-C28)	26.7	25.0	1	07/22/24	07/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/22/24	07/22/24	
Surrogate: n-Nonane	104 %	50-200		07/22/24	07/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2430006	
Chloride	647	20.0	1	07/22/24	07/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Spica 25 federal #004H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/23/2024 1:34:12PM
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BH03-12'

E407162-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Benzene	ND	0.0250	1	07/22/24	07/22/24	
Ethylbenzene	ND	0.0250	1	07/22/24	07/22/24	
Toluene	ND	0.0250	1	07/22/24	07/22/24	
o-Xylene	ND	0.0250	1	07/22/24	07/22/24	
p,m-Xylene	ND	0.0500	1	07/22/24	07/22/24	
Total Xylenes	ND	0.0250	1	07/22/24	07/22/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/24	07/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/22/24	07/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430001	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/22/24	07/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/22/24	07/22/24	
Surrogate: n-Nonane	90.8 %	50-200		07/22/24	07/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2430006	
Chloride	469	20.0	1	07/22/24	07/22/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/23/2024 1:34:12PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2430007-BLK1) Prepared: 07/22/24 Analyzed: 07/22/24

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	7.50		8.00		93.8	70-130			

LCS (2430007-BS1) Prepared: 07/22/24 Analyzed: 07/22/24

Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.9	70-130			
Toluene	4.99	0.0250	5.00		99.7	70-130			
o-Xylene	4.82	0.0250	5.00		96.5	70-130			
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike (2430007-MS1) Source: E407158-05 Prepared: 07/22/24 Analyzed: 07/22/24

Benzene	5.68	0.0250	5.00	ND	114	54-133			
Ethylbenzene	5.30	0.0250	5.00	ND	106	61-133			
Toluene	5.59	0.0250	5.00	ND	112	61-130			
o-Xylene	5.42	0.0250	5.00	ND	108	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			

Matrix Spike Dup (2430007-MSD1) Source: E407158-05 Prepared: 07/22/24 Analyzed: 07/22/24

Benzene	5.59	0.0250	5.00	ND	112	54-133	1.54	20	
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133	1.46	20	
Toluene	5.51	0.0250	5.00	ND	110	61-130	1.38	20	
o-Xylene	5.33	0.0250	5.00	ND	107	63-131	1.60	20	
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	1.35	20	
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131	1.43	20	
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/23/2024 1:34:12PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2430007-BLK1) Prepared: 07/22/24 Analyzed: 07/22/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.55		8.00		107	70-130			

LCS (2430007-BS2) Prepared: 07/22/24 Analyzed: 07/22/24

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.61		8.00		108	70-130			

Matrix Spike (2430007-MS2) Source: E407158-05 Prepared: 07/22/24 Analyzed: 07/22/24

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130			

Matrix Spike Dup (2430007-MSD2) Source: E407158-05 Prepared: 07/22/24 Analyzed: 07/22/24

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0	ND	81.3	70-130	10.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/23/2024 1:34:12PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430001-BLK1) Prepared: 07/22/24 Analyzed: 07/22/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2430001-BS1) Prepared: 07/22/24 Analyzed: 07/22/24

Diesel Range Organics (C10-C28)	217	25.0	250		87.0	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Matrix Spike (2430001-MS1) Source: E407162-03 Prepared: 07/22/24 Analyzed: 07/22/24

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.7	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike Dup (2430001-MSD1) Source: E407162-03 Prepared: 07/22/24 Analyzed: 07/22/24

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.5	38-132	0.729	20	
Surrogate: n-Nonane	52.3		50.0		105	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Spica 25 federal #004H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/23/2024 1:34:12PM

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 (2430006-BLK1)					Prepared: 07/22/24 Analyzed: 07/22/24				
Chloride	ND	20.0							
LCS (2430006-BS1)					Prepared: 07/22/24 Analyzed: 07/22/24				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2430006-MS1)					Source: E407163-01		Prepared: 07/22/24 Analyzed: 07/22/24		
Chloride	289	20.0	250	31.6	103	80-120			
Matrix Spike Dup (2430006-MSD1)					Source: E407163-01		Prepared: 07/22/24 Analyzed: 07/22/24		
Chloride	291	20.0	250	31.6	104	80-120	0.809	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:	Spica 25 federal #004H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	07/23/24 13:34

- 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

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO# E407162		Job Number 01058-0007		1D	2D	3D	Std	NM	CO	UT	TX
Project: Spica 25 Federal #004H				Address: 205 E Bender Road #150										X			
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240													
Address: 3122 National Parks Hwy				Phone: (575)748-1838													
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dv.com													
Phone: 575-988-0055				Miscellaneous: Dale Woodall													
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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA & Metals	SDWA	CWA	RCRA
14:10	7/18/2024	Soil	1	BH01-5'		1						X					
14:21	7/18/2024	Soil	1	BH01-7'		2						X					
13:13	7/18/2024	Soil	1	BH02-9'		3						X					
10:20	7/18/2024	Soil	1	BH03-10'		4						X					
11:37	7/18/2024	Soil	1	BH03-12'		5						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dv.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@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: Brandon Deal																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)	
[Signature]		07/19/24	10:00	Michelle Gonzales		7-19-24	1000	[Signature]		7-19-24	1630	[Signature]		7-22-24	08:30	[Signature]	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)	
Michelle Gonzales		7-19-24	1600	[Signature]		7-19-24	1630	[Signature]		7-22-24	08:30	[Signature]		7-22-24	08:30	[Signature]	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)	
[Signature]		7-19-24	2245	[Signature]		7-22-24	08:30	[Signature]		7-22-24	08:30	[Signature]		7-22-24	08:30	[Signature]	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)	
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: 7/22/2024 9:44:41AM

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:	07/22/24 08:30	Work Order ID:	E407162
Phone:	(505) 382-1211	Date Logged In:	07/19/24 15:25	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	07/26/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? 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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Notifications

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 330996

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 330996
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SPICA 25 FEDERAL #004H
Date Release Discovered	04/07/2024
Surface Owner	Federal

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: Equipment Failure Production Tank Crude Oil Released: 69 BBL Recovered: 63 BBL Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	The leak was caused by a ULPS pop off valve failure in a production tank. The wells were shut in to stop the leak. 69.3 bbls spilled in and outside of containment. 63 bbls recovered.

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QUESTIONS, Page 2

Action 330996

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 330996
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

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

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ACKNOWLEDGMENTS

Action 330996

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 330996
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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Santa Fe, NM 87505

CONDITIONS

Action 330996

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 330996
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
wdale	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/8/2024

SPICA 25 FED 4H

4/7/2024

OCD incident nAPP2409940657

API 30-015-40105

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
1,462.00	0.50
Cubic Feet of Soil Impacted	60.92
Barrels of Soil Impacted	10.86
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	1.63
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.16
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
25.00	3.500
Standing fluid	1.30
Total fluids spilled	1.46

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	13.30
Width(Ft)	21.00
Depth(in.)	16
Total Capacity without tank displacements (bbls)	66.33
No. of 500 bbl Tanks In Standing Fluid	0
No. of Other Tanks In Standing Fluid	0
OD Of Other Tanks In Standing Fluid(feet)	0
Total Volume of standing fluid accounting for tank displacement.	66.33

Fluids spilled in containment (bbls)	66.33
Impacted surface soils (bbls)	1.46
Total Fluids Spilled (bbls)	67.79

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Santa Fe, NM 87505

QUESTIONS

Action 331341

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 331341
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2409940657
Incident Name	NAPP2409940657 SPICA 25 FEDERAL #004H @ 30-015-40105
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-40105] SPICA 25 FEDERAL #004H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SPICA 25 FEDERAL #004H
Date Release Discovered	04/07/2024
Surface Owner	Federal

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: Equipment Failure Production Tank Crude Oil Released: 69 BBL Recovered: 63 BBL Lost: 6 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)	The leak was caused by a ULPS pop off valve failure in a production tank. The wells were shut in to stop the leak. 69.3 bbls spilled in and outside of containment. 63 bbls recovered.

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QUESTIONS, Page 2

Action 331341

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 331341
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 04/09/2024
--	--

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
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District III

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District IV

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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, Page 3

Action 331341

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 331341
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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	No
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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CONDITIONS

Action 331341

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 331341
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/9/2024

Well Name: SPICA 25 FEDERAL	Well Location: T19S / R31E / SEC 25 / SWSW / 32.6253108 / -103.8302518	County or Parish/State: EDDY / NM
Well Number: 4H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0107697	Unit or CA Name:	Unit or CA Number:
US Well Number: 300154010500S1	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Notice of Intent

Sundry ID: 2799209

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 07/08/2024	Time Sundry Submitted: 01:25
Date proposed operation will begin: 07/15/2024	

Procedure Description: Access to soils for off-pad remediation with heavy mechanical equipment. The release occurred at the Spica 25 Federal #004 Site (32.638048, -103.832124) located in Unit A, Section 26, Township 19S, and Range 31E, Eddy County New Mexico. The crude oil release occurred on April 07, 2024, and is associated with NMOCD incident number nAPP2409940657.

Surface Disturbance

Is any additional surface disturbance proposed?: Yes

Proposed Disturbance(acres): 1.0	Interim Reclamation (acres): 1.0	Long Term Disturbance (acres): 1.5
Surface Disturbance:		

NOI Attachments

Surface Disturbance

20240429_Spica_25_Federal__004H_fig2_v1_JV_20240708131652.pdf

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0107697

Unit or CA Name:

Unit or CA Number:

US Well Number: 300154010500S1

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DALE WOODALL

Signed on: JUL 08, 2024 01:15 PM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Environmental Professional

Street Address: 205 E BENDER ROAD #150

City: HOBBS

State: NM

Phone: (575) 748-1838

Email address: DALE.WOODALL@DVN.COM

Field

Representative Name: Ashley Giovengo

Street Address: 3122 National Parks Hwy

City: Carlsbad

State: NM

Zip: 88220

Phone: (575)988-0055

Email address: agiovengo@ensolum.com

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN

BLM POC Title: Environmental Protection Specialist

BLM POC Phone: 5752345987

BLM POC Email Address: camorgan@blm.gov

Disposition: Accepted

Disposition Date: 07/08/2024

Signature: CRISHA A. MORGAN

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	NMNM0107697
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. SPICA 25 FEDERAL/4H
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP		9. API Well No. 3001540105
3a. Address 333 WEST SHERIDAN AVE, OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) (405) 235-3611	10. Field and Pool or Exploratory Area WILLIAMS SINK/WILLIAMS SINK
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 25/T19S/R31E/NMP		11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Access to soils for off-pad remediation with heavy mechanical equipment. The release occurred at the Spica 25 Federal #004 Site (32.638048, -103.832124) located in Unit A, Section 26, Township 19S, and Range 31E, Eddy County New Mexico. The crude oil release occurred on April 07, 2024, and is associated with NMOCD incident number nAPP2409940657.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) DALE WOODALL / Ph: (575) 748-1838	Title Environmental Professional
(Electronic Submission) Signature	Date 07/08/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CRISHA A MORGAN / Ph: (575) 234-5987 / Accepted	Title Environmental Protection Specialist	Date 07/08/2024
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

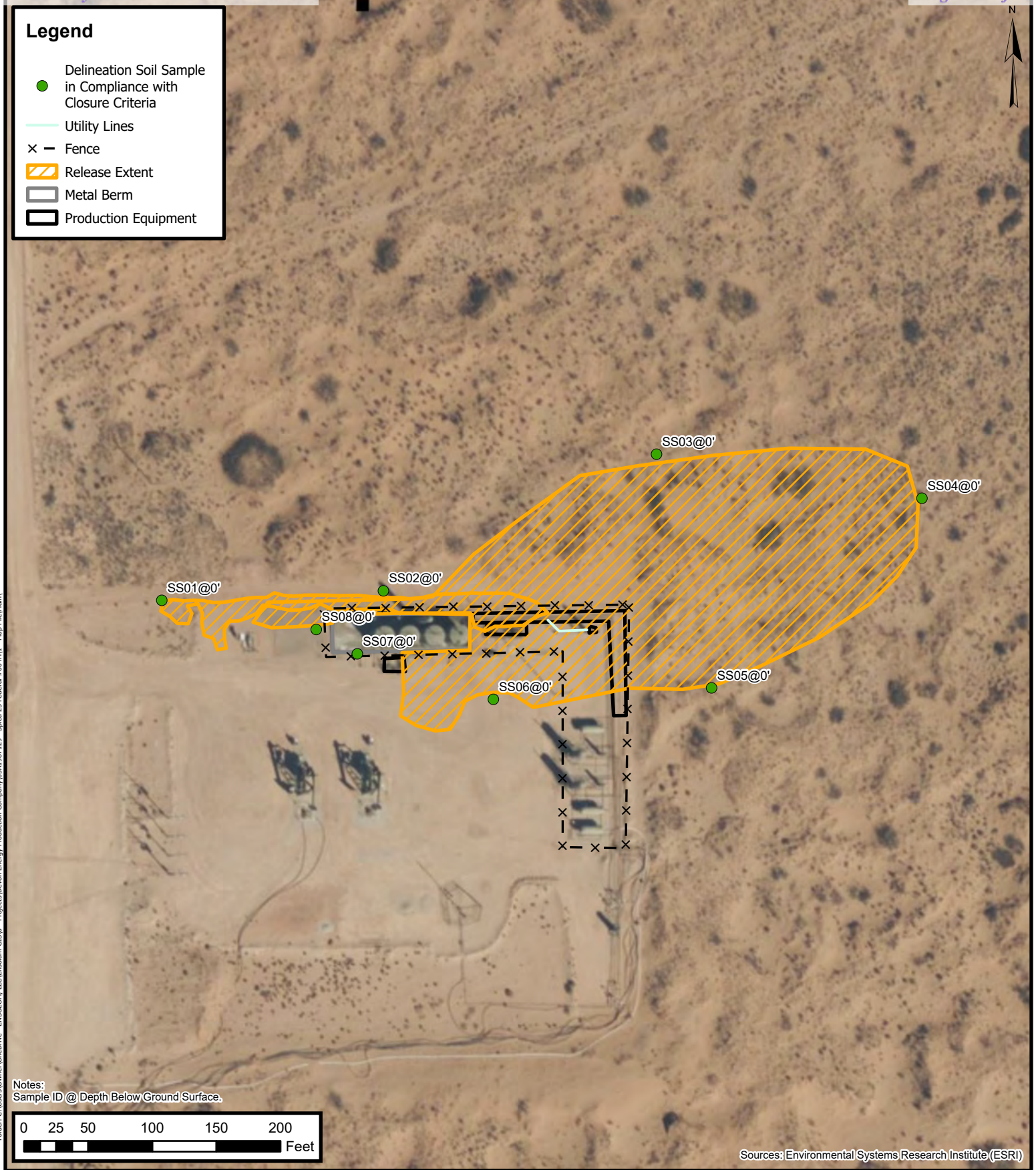
BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SWSW / 400 FSL / 340 FWL / TWSP: 19S / RANGE: 31E / SECTION: 25 / LAT: 32.6253108 / LONG: -103.8302518 (TVD: 0 feet, MD: 0 feet)

BHL: SESE / 425 FSL / 773 FEL / TWSP: 19S / RANGE: 31E / SECTION: 25 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)



Delineation Soil Sample Locations

Devon Energy Production Company
Spica 25 Federal #004H
Incident Number: nAPP2409940657
Section M, Unit 25, T 19S, R 31E
Eddy County, New Mexico

FIGURE
2

From: [Hamlet, Robert, EMNRD](#)
To: [Ashley Giovengo](#)
Cc: [Cole Burton](#); [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: Extension Request - Spica 25 Fed 4H - Incident Number nAPP2409940657
Date: Tuesday, July 9, 2024 8:13:12 AM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2409940657

Ashley,

Your request for a 90 day extension to **October 7th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, July 8, 2024 3:50 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Spica 25 Fed 4H - Incident Number nAPP2409940657

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Monday, July 8, 2024 11:58 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>
Subject: [EXTERNAL] Extension Request - Spica 25 Fed 4H - Incident Number nAPP2409940657

CAUTION: This email originated outside of our organization. Exercise caution prior to

clicking on links or opening attachments.

All,

Devon Production Company (Devon) is requesting an extension for the current deadline of July 07, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B. (1) NMAC at the Spica 25 Fed 4H (Incident Number nAPP2409940657). The release occurred on April 07, 2024, and lateral and vertical delineation sampling to the strictest criteria has been completed at the Site. We are currently waiting on approval from the Bureau of Land Management (BLM) for a Sundry Form (Form 3160-5) in order to address the impacted area off-pad (Approximately 43,000 square feet was impacted). Devon intends to complete remediation in accordance with the reclamation standard and to submit a remediation work plan or closure report, immediately upon receiving the laboratory analytical results from confirmation soil sampling activities. Devon respectfully requests a 90-day extension until October 05, 2024. Please let me know if you have any further questions regarding this site.

Thanks,



Ashley Giovengo

Senior Scientist

575-988-0055

Ensolum, LLC

in f X

"Your authenticity is your superpower." – Unknown

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

QUESTIONS

Action 390135

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	390135
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2409940657
Incident Name	NAPP2409940657 SPICA 25 FEDERAL #004H @ 30-015-40105
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-40105] SPICA 25 FEDERAL #004H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SPICA 25 FEDERAL #004H
Date Release Discovered	04/07/2024
Surface Owner	Federal

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: Equipment Failure Production Tank Crude Oil Released: 69 BBL Recovered: 63 BBL Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	The leak was caused by a ULPS pop off valve failure in a production tank. The wells were shut in to stop the leak. 69.3 bbls spilled in and outside of containment. 63 bbls recovered.

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QUESTIONS, Page 2

Action 390135

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	390135
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 10/04/2024
--	--

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QUESTIONS, Page 3

Action 390135

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 51 and 75 (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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	3020
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	40720
GRO+DRO	(EPA SW-846 Method 8015M)	8810
BTEX	(EPA SW-846 Method 8021B or 8260B)	574
Benzene	(EPA SW-846 Method 8021B or 8260B)	8.4

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	12/01/2024
On what date will (or did) the final sampling or liner inspection occur	01/06/2025
On what date will (or was) the remediation complete(d)	01/06/2025
What is the estimated surface area (in square feet) that will be reclaimed	41931
What is the estimated volume (in cubic yards) that will be reclaimed	992
What is the estimated surface area (in square feet) that will be remediated	18222
What is the estimated volume (in cubic yards) that will be remediated	1138

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.

District I

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District III

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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 390135

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 10/04/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 390135

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 390135

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	393901
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/30/2024
What was the (estimated) number of samples that were to be gathered	170
What was the sampling surface area in square feet	60204

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	No
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CONDITIONS

Action 390135

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number: 390135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. The variance is approved for 400 ft2 floor confirmation samples. The release area will still need confirmation sidewall samples representing no more than 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. Please include this e-mail correspondence in the Remediation Closure Report. The work will need to occur in 90 days after the report has been reviewed.	10/29/2024