



August 28, 2025

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

**Re: Deferral Request
North Thistle 2 CTB 1
Incident Number nAPP2516730095
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Deferral Request* to document assessment and soil sampling activities performed at the North Thistle 2 CTB 1 (Site). The purpose of the assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water within a lined secondary containment. Based on field observations, field screening activities, and laboratory analytical results, Devon is submitting this *Deferral Request*, describing assessment and delineation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2516730095 until the Site is reconstructed and/or the pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The release location was initially reported to the NMOCD in Unit M of Section 34, Township 22 South, Range 33 East in Lea County, New Mexico (32.34179°, -103.56694°), but after review of release location coordinates and photographs provided by Devon, it was confirmed the release occurred in Unit B of Section 02, Township 23 South, Range 33 East in Lea County, New Mexico (32.338563°, -103.541173°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On June 16, 2025, a malfunctioning water transfer pump allowed fluid to spill inside the lined secondary containment at the Site. This failure resulted in the release of approximately 145 barrels (bbls) of produced water; 145 bbls of produced water were recovered from the lined secondary containment via vacuum truck. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on June 16, 2025, and later submitted and Initial Release C-141 Form (Form C-141) on June 18, 2025; the release was assigned Incident Number nAPP2516730095. The Form C-141 can be referenced within the NMOCD Incident Portal.

A 48-hour advance notice of a liner inspection was provided via web portal to the NMOCD office on July 10, 2025. A liner integrity inspection was conducted by Ensolum personnel on July 18, 2025, and the liner was determined to be insufficient to contain the release in question. Ensolum personnel identified three holes in the liner on the north side of the secondary containment. The lined secondary containment measures approximately 3,931 square feet in size.

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 below and potential Site receptors are identified on Figure 1.

According to the New Mexico Office of the State Engineer (NMOSE), the closest permitted groundwater well with depth to groundwater data is CP 04767 POD1, located approximately 5,349 feet southwest of the release area with a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 1.08 miles southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

CULTURAL RESOURCE SURVEY

Since the release remained on pad, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release.

ASSESSMENT AND DELINEATION ACTIVITIES

Between July 3 and July 18, 2025, Ensolum personnel visited the Site to evaluate the release extent and conduct delineation activities based on the liner integrity inspection and visual observations. Four delineation soil samples (SS01 through SS04) were collected around the lined containment at depths ranging from ground surface level to 1-foot bgs to assess the lateral extent of the release. Three boreholes (BH01 through BH03) were advanced via hand auger inside the holes identified during the liner integrity inspection to assess the vertical extent of the release. Discrete soil samples were collected from the boreholes at depths of ground surface level and 1-foot bgs.

Delineation soil samples were field screened for TPH utilizing a calibrated PetroFLAG® soil analyzer system and for chloride using Hach® chloride QuanTab® test strips respectively. Field screening results and observations from the borehole were documented on lithologic soil sampling logs, which are

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included as Appendix B. Boreholes BH01 through BH03 were backfilled with locally procured soil and Ensolum personnel repaired the tear in the liner. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during all assessment and delineation activities at the Site. A photographic log is included in Appendix C.

All 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 Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS04, collected from around the lined containment, indicated all COC concentrations were in compliance with the most stringent Table I Closure Criteria, successfully defining the lateral extent of the release. Laboratory analytical results from delineation boreholes BH01 and BH02, collected inside the secondary lined containment, indicated all COC concentrations were in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs, successfully defining the vertical extent of the release in those locations. Borehole BH03 exceeded the Site Closure Criteria at the ground surface but was in compliance with the strictest Closure Criteria at a depth of 1-foot bgs. BH03 is located within the secondary lined containment, near the northeast corner. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical report is included as Appendix D.

RECLAMATION PLAN

The release remained on the well pad that is currently in operation for oil and gas production purposes. As such, the release area is not expected to be reclaimed until the oil and gas well is plugged and abandoned (P&A'd) and the well pad is reclaimed. The *Reclamation Plan* for this release will default to the NMSLO-approved *Reclamation Plan* for the well pad per 19.2.100.67 NMAC.

DEFERRAL REQUEST

Devon is requesting deferral of final remediation due to the presence of active production equipment, process piping, the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil based on analytical results for borehole BH03 measures approximately 3,931 square feet, and assuming a depth of up to 1-foot bgs under the lined containment with a total of approximately 138 cubic yards of impacted soil remaining in place. The deferral area and delineation soil samples are depicted on Figure 3.

Impacted soil is limited to the area beneath active production equipment, specifically in and around borehole BH03, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS04 at ground surface and vertically delineated by borehole samples BH01 through BH03 at depths ranging from ground surface level to 1-foot bgs.

Devon does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Based on the presence of active production equipment within the release area and the

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complete lateral and vertical delineation of impacted soil remaining in place, Devon requests deferral of final remediation for Incident Number nAPP2516730095 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink that reads "Cole Burton".

Cole Burton
Project Manager

A handwritten signature in black ink that reads "Daniel R. Moir".

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

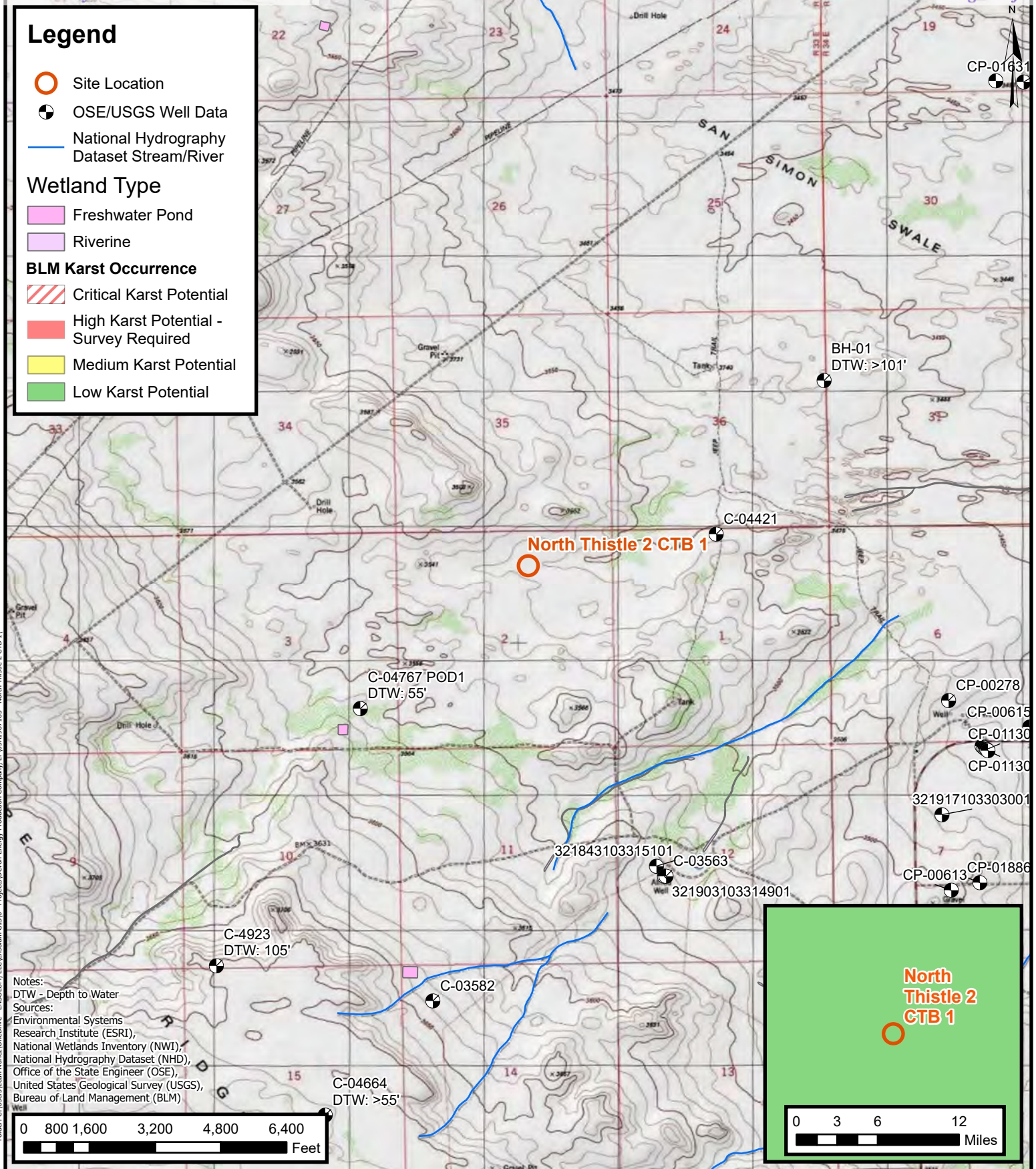
cc: Jim Raley, Devon

Appendices:

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



FIGURES

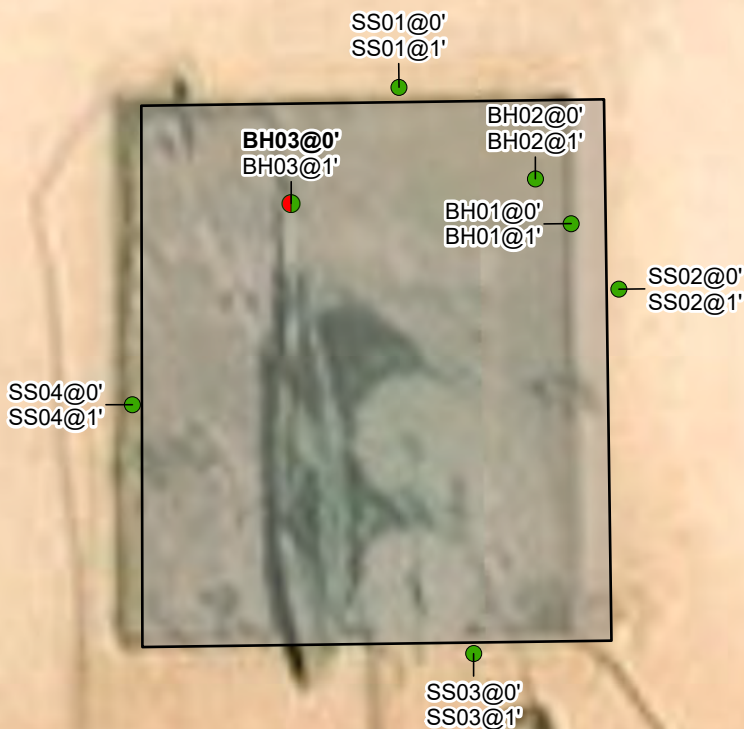


Site Receptor Map
Devon Energy Production Company, LP
North Thistle 2 CTB 1
Incident Number: nAPP2516730095
Unit B, Section 02, T 23S, R 33E
Lea County, New Mexico

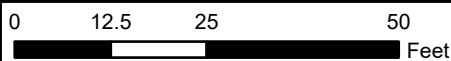
FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Lined Containment



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



Sources: Environmental Systems Research Institute (ESRI)

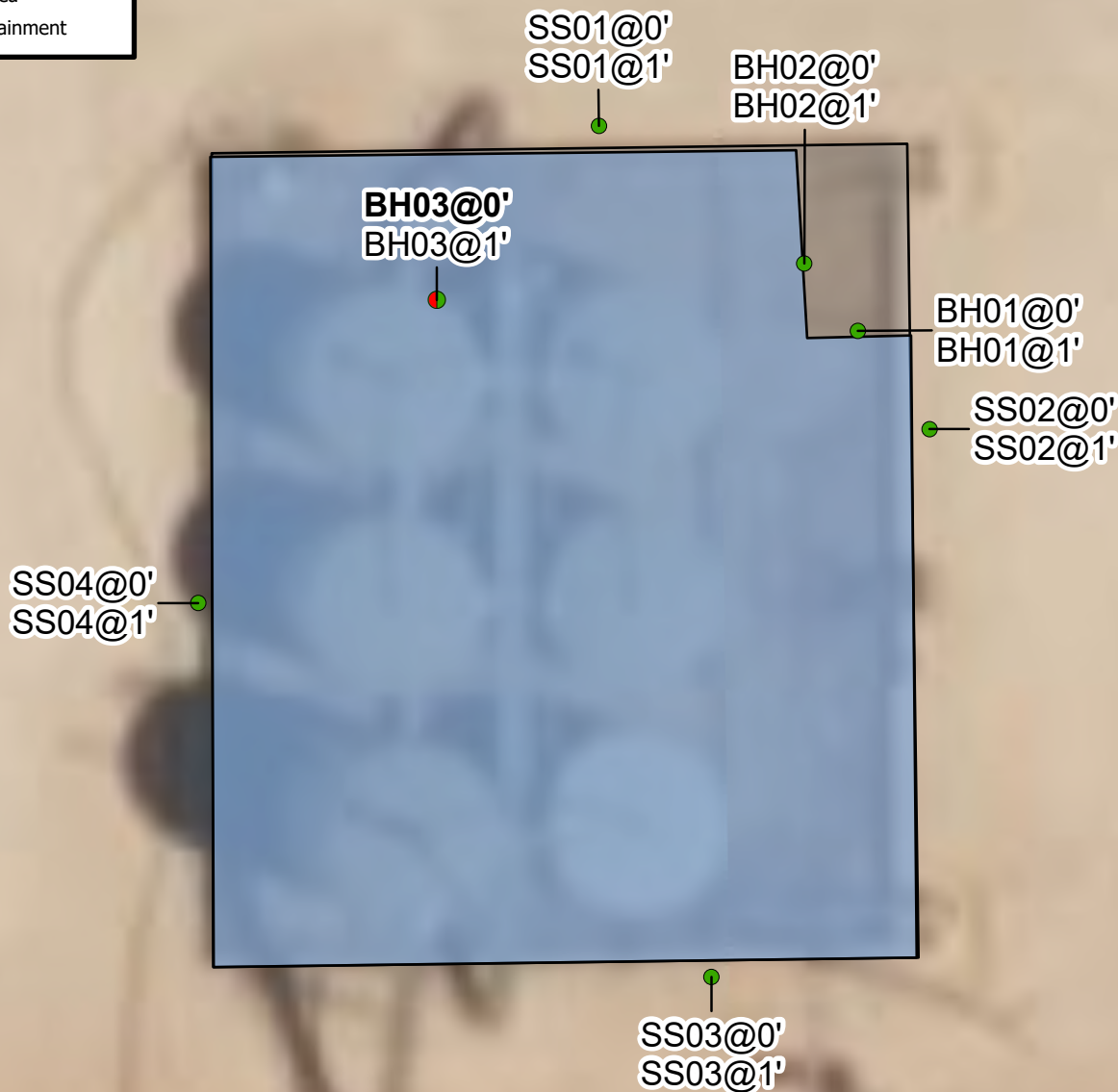
**Delineation Soil Sample Locations**

Devon Energy Production Company, LP
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 Unit B, Section 02, T 23S, R 33E
 Lea County, New Mexico

FIGURE
2

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Deferral Area
- Lined Containment



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

0 8 16 32
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Area of Requested Deferral

Devon Energy Production Company, LP
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 Incident Number: nAPP2516730095
 Unit B, Section 02, T 23S, R 33E
 Lea County, New Mexico

FIGURE

3



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 North Thistle 2 CTB 1
 Devon Energy Production Company, LP
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	7/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01	7/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	325
SS02	7/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	7/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176
SS03	7/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.4
SS03	7/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.3
SS04	7/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	7/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	7/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	7/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	59.2
BH02	7/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.7
BH02	7/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329
BH03	7/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,790
BH03	7/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253

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

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

N. Thistle

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4767 POD1		WELL TAG ID NO.		OSE FILE NO(S) C-4767			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 19	SECONDS 44.92 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 12-13-23		DRILLING ENDED 12-13-23		DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED 12-18-23	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		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)
	FROM	TO						
	0	45'	6"	2" PVC SCH40	Thread	2"	SCH40	N/A
	45'	55'	6"	2" PVC SCH40	Thread	2"	SCH 40	.02
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None pulled and plugged0				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. <u>C-4767-POD1</u>	POD NO. <u>1</u>	TRN NO. <u>750184</u>
LOCATION <u>Expl 23.33.03.144</u>	WELL TAG ID NO. <u>---</u>	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 <i>(attach supplemental sheets to fully describe all units)</i>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO					
	0	15'	15'	Red fine sand	Y ✓ N		
	15'	20'	5'	Brown sand with caliche	Y ✓ N		
	20'	55'	35'	Red sand with coarse rock	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: Dry hole					TOTAL ESTIMATED WELL YIELD (gpm): 0	
	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:					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
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>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div><div>DATE</div></div>						

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4767-POD 1	POD NO. 1	TRN NO. 750184	
LOCATION Enal 23.33.03.144	WELL TAG ID NO. —	PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



well Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 750184
File Nbr: C 04767
Well File Nbr: C 04767 POD1

Jan. 12, 2024

DALE WOODALL
DEVON ENERGY RESOURCES
205 E BENDER ROAD #150
HOBBS, NM 88240

Greetings:

The above numbered permit was issued in your name on 08/18/2023.

The Well Record was received in this office on 01/12/2024, stating that it had been completed on 12/13/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 08/17/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".


Maret Thompson
(575) 622-6521


drywell




APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 7/18/2025	
								Site Name: North Thistle 2 CTB 1			
								Incident Number: nAPP2516730095			
								Job Number: 03A1987183			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Jenna Hinkle		Method: Handauger	
Coordinates: 32.338575, -103.541298								Hole Diameter: 3"		Total Depth: 1'	
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	BH01	0	0	CCHE	Moist, stained, Caliche with medium sized gravel, medium to coarse grained, non-cohesive, non-plasticity			
D	ND	15	N		1	1		Dry, not stained, Caliche with medium sized gravel, medium to coarse grained, non-cohesive, non-plasticity			
Total Depth@ 1 feet bgs.											

 ENSOLUM		Sample Name: BH02		Date: 7/18/2025				
		Site Name: North Thistle 2 CTB 1						
		Incident Number: nAPP2516730095						
		Job Number: 03A1987183						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.338592, -103.541312			Logged By: Jenna Hinkle		Method: Handauger			
			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)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH02	0	0	CCHE	Moist, stained, Caliche with medium sized gravel, medium to coarse grained, non-cohesive, non-plasticity
D	453	23	N	BH02	1	1		Dry, not stained, Caliche with medium sized gravel, medium to coarse grained, non-cohesive, non-plasticity
Total Depth@ 1-foot bgs								

								Sample Name: BH03		Date: 7/18/2025	
								Site Name: North Thistle 2 CTB 1			
								Incident Number: nAPP2516730095			
								Job Number: 03A1987183			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Jenna Hinkle		Method: Handauger	
Coordinates: 32.338584, -103.541415								Hole Diameter: 3"		Total Depth: 1'	
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	CCHE	Moist, stained, Caliche with medium sized gravel, medium to coarse grained, non-cohesive, non-plasticity			
D	347	17	N		1	1		Dry, not stained, Caliche with medium sized gravel, medium to coarse grained, non-cohesive, non-plasticity			
Total Depth@ 1 feet bgs.											



APPENDIX C

Photographic Log



Photographic Log

Devon Energy Production Company, LP
North Thistle 2 CTB 1
nAPP2516730095



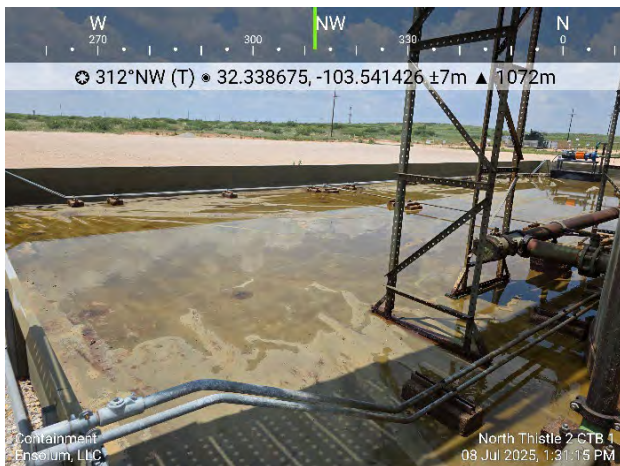
Photograph 5
Description: SS04
View: Northeast

Date: 7/3/2025



Photograph 6
Description: Containment
View: North

Date: 7/8/2023



Photograph 7
Description: Containment
View: Northwest

Date: 7/8/2025



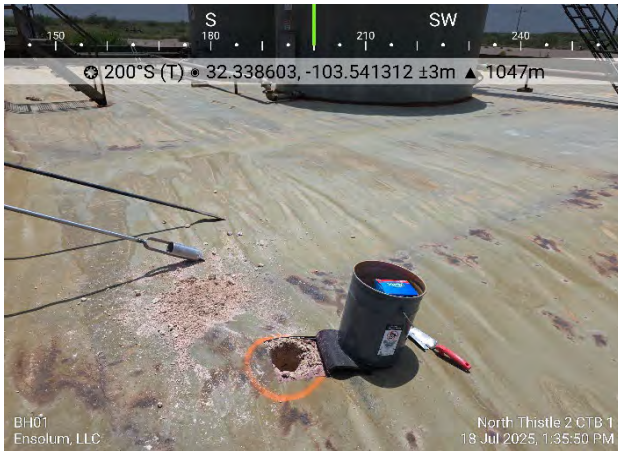
Photograph 8
Description: BH01 hole in liner
View: East

Date: 7/18/2025



Photographic Log

Devon Energy Production Company, LP
North Thistle 2 CTB 1
nAPP2516730095



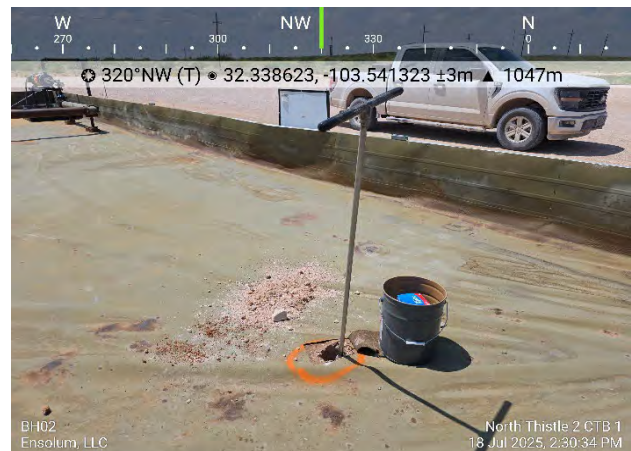
Photograph 9 Date: 7/18/2025
Description: BH01 delineation
View: South



Photograph 10 Date: 7/18/2025
Description: BH01 patched
View: Southeast



Photograph 11 Date: 7/18/2025
Description: BH02 hole in liner
View: North



Photograph 12 Date: 7/18/2025
Description: BH02 delineation
View: Northwest



Photographic Log

Devon Energy Production Company, LP
North Thistle 2 CTB 1
nAPP2516730095



Photograph 13
Description: BH02 patched
View: Southwest



Photograph 14
Description: BH03 hole in liner
View: Southeast



Photograph 15
Description: BH03 delineation
View: North



Photograph 16
Description: BH03 patched
View: Northwest



Photographic Log

Devon Energy Production Company, LP
North Thistle 2 CTB 1
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Photograph 17
Description: Liner
View: Northeast

Date: 7/18/2025



Photograph 18
Description: Liner
View: South

Date: 7/18/2025



Photograph 19
Description: Liner
View: North

Date: 7/18/2025



Photograph 20
Description: Liner
View: West

Date: 7/18/2025



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: North Thistle 2 CTB 1

Work Order: E507052

Job Number: 01058-0007

Received: 7/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/15/25

5796 U.S. Hwy 64
Farmington, NM 87401

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Envirotech-inc.com



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

Date Reported: 7/15/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: North Thistle 2 CTB 1
Workorder: E507052
Date Received: 7/8/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/8/2025 8:00:00AM, under the Project Name: North Thistle 2 CTB 1.

The analytical test results summarized in this report with the Project Name: North Thistle 2 CTB 1 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

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	07/15/25 11:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E507052-01A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.
SS01-1'	E507052-02A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.
SS02-0'	E507052-03A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.
SS02-1'	E507052-04A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.
SS03-0'	E507052-05A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.
SS03-1'	E507052-06A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.
SS04-0'	E507052-07A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.
SS04-1'	E507052-08A	Soil	07/03/25	07/08/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: North Thistle 2 CTB 1 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/15/2025 11:30:01AM
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SS01-0'

E507052-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.5 %	70-130	07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528078	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	07/08/25	07/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528092	
Chloride	ND	20.0	1	07/09/25	07/10/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/15/2025 11:30:01AM

SS01-1'

E507052-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528110
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
Surrogate: 4-Bromochlorobenzene-PID	81.5 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528110
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528078
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
Surrogate: n-Nonane	99.8 %	61-141		07/08/25	07/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528092
Chloride	325	20.0	1	07/09/25	07/10/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/15/2025 11:30:01AM

SS02-0'

E507052-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528110
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.6 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528110
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528078
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
<i>Surrogate: n-Nonane</i>						
	98.4 %	61-141		07/08/25	07/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528092
Chloride	ND	20.0	1	07/09/25	07/10/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/15/2025 11:30:01AM

SS02-1'

E507052-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	83.8 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.1 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528078	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
<i>Surrogate: n-Nonane</i>	97.3 %	61-141		07/08/25	07/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528092	
Chloride	176	20.0	1	07/09/25	07/10/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/15/2025 11:30:01AM

SS03-0'

E507052-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528110
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
Surrogate: 4-Bromochlorobenzene-PID	83.3 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528110
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528078
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
Surrogate: n-Nonane	103 %	61-141		07/08/25	07/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528092
Chloride	20.4	20.0	1	07/09/25	07/10/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: North Thistle 2 CTB 1 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/15/2025 11:30:01AM
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SS03-1'

E507052-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
Surrogate: 4-Bromochlorobenzene-PID	83.2 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528078	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
Surrogate: n-Nonane	97.3 %	61-141		07/08/25	07/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528092	
Chloride	39.3	20.0	1	07/09/25	07/11/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/15/2025 11:30:01AM

SS04-0'

E507052-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.5 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528078	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		07/08/25	07/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528092	
Chloride	ND	20.0	1	07/09/25	07/11/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/15/2025 11:30:01AM

SS04-1'

E507052-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Benzene	ND	0.0250	1	07/09/25	07/12/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/12/25	
Toluene	ND	0.0250	1	07/09/25	07/12/25	
o-Xylene	ND	0.0250	1	07/09/25	07/12/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/12/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.5 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		07/09/25	07/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528078	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/11/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		07/08/25	07/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528092	
Chloride	ND	20.0	1	07/09/25	07/11/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/15/2025 11:30:01AM

Volatile Organics by EPA 8021B

Analyst: SL

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 (2528110-BLK1)

Prepared: 07/09/25 Analyzed: 07/11/25

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	6.84		8.00		85.5	70-130			

LCS (2528110-BS1)

Prepared: 07/09/25 Analyzed: 07/11/25

Benzene	5.84	0.0250	5.00		117	70-130			
Ethylbenzene	5.67	0.0250	5.00		113	70-130			
Toluene	5.77	0.0250	5.00		115	70-130			
o-Xylene	5.63	0.0250	5.00		113	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	17.0	0.0250	15.0		114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.85		8.00		85.6	70-130			

Matrix Spike (2528110-MS1)

Source: E507051-01

Prepared: 07/09/25 Analyzed: 07/11/25

Benzene	5.09	0.0250	5.00	ND	102	70-130			
Ethylbenzene	4.94	0.0250	5.00	ND	98.7	70-130			
Toluene	5.03	0.0250	5.00	ND	101	70-130			
o-Xylene	4.92	0.0250	5.00	ND	98.3	70-130			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.80		8.00		85.0	70-130			

Matrix Spike Dup (2528110-MSD1)

Source: E507051-01

Prepared: 07/09/25 Analyzed: 07/12/25

Benzene	5.82	0.0250	5.00	ND	116	70-130	13.4	27	
Ethylbenzene	5.65	0.0250	5.00	ND	113	70-130	13.5	26	
Toluene	5.75	0.0250	5.00	ND	115	70-130	13.3	20	
o-Xylene	5.57	0.0250	5.00	ND	111	70-130	12.5	25	
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130	13.2	23	
Total Xylenes	17.0	0.0250	15.0	ND	113	70-130	13.0	26	
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/15/2025 11:30:01AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2528110-BLK1) Prepared: 07/09/25 Analyzed: 07/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			

LCS (2528110-BS2) Prepared: 07/09/25 Analyzed: 07/11/25

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			

Matrix Spike (2528110-MS2) Source: E507051-01 Prepared: 07/09/25 Analyzed: 07/12/25

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike Dup (2528110-MSD2) Source: E507051-01 Prepared: 07/09/25 Analyzed: 07/12/25

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130	8.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/15/2025 11:30:01AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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 (2528078-BLK1)					Prepared: 07/08/25 Analyzed: 07/14/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.3	61-141			

LCS (2528078-BS1)					Prepared: 07/08/25 Analyzed: 07/11/25				
Diesel Range Organics (C10-C28)	261	25.0	250		105	66-144			
Surrogate: n-Nonane	51.0		50.0		102	61-141			

Matrix Spike (2528078-MS1)					Source: E507052-06		Prepared: 07/08/25 Analyzed: 07/11/25		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	49.4		50.0		98.7	61-141			

Matrix Spike Dup (2528078-MSD1)					Source: E507052-06		Prepared: 07/08/25 Analyzed: 07/11/25		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	0.307	20	
Surrogate: n-Nonane	50.8		50.0		102	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/15/2025 11:30:01AM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2528092-BLK1)					Prepared: 07/09/25 Analyzed: 07/10/25				
Chloride	ND	20.0							
LCS (2528092-BS1)					Prepared: 07/09/25 Analyzed: 07/10/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2528092-MS1)					Source: E507052-01		Prepared: 07/09/25 Analyzed: 07/10/25		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2528092-MSD1)					Source: E507052-01		Prepared: 07/09/25 Analyzed: 07/10/25		
Chloride	256	20.0	250	ND	102	80-120	0.0524	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:	North Thistle 2 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	07/15/25 11:30

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

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project: North Thistle 2 CTB 1				Address: 5315 Buena Vista Dr				E507052		01058-0001					x	x				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: (575)689-7597																
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@env.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
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/RO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	IGDOC - NM	IGDOC - TX	SDWA	CWA	RCRA	
1102	7/3/2025	Soil	1	SS01-0'			1													
1224				01-1'			2													
1103				02-0'			3													
1224				02-1'			4													
1316				03-0'			5													
1314				03-1'			6													
1116				04-0'			7													
1238				04-1'			8													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@env.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, jmccauley@ensolum.com, gsanchez@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: <u>Jonathan Hyle</u>																				
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 on ice at a temp above 0 but less than 6°C on subsequent days.								
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										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: <u>(X)</u> N								
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 Analytical Laboratory

Printed: 7/8/2025 11:20:02AM

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:	07/08/25 08:00	Work Order ID:	E507052
Phone:	(505) 382-1211	Date Logged In:	07/07/25 13:27	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/14/25 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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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: North Thistle 2 CTB 1

Work Order: E507257

Job Number: 01058-0007

Received: 7/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/30/25

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: 7/30/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: North Thistle 2 CTB 1
Workorder: E507257
Date Received: 7/22/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/22/2025 6:45:00AM, under the Project Name: North Thistle 2 CTB 1.

The analytical test results summarized in this report with the Project Name: North Thistle 2 CTB 1 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported: 07/30/25 08:56
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E507257-01A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH01-1'	E507257-02A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH02-0'	E507257-03A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH02-1'	E507257-04A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH03-0'	E507257-05A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH03-1'	E507257-06A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: North Thistle 2 CTB 1 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/30/2025 8:56:00AM
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BH01-0'

E507257-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.4 %	70-130		07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.9 %	70-130		07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	108 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	ND	20.0	1	07/28/25	07/28/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/30/2025 8:56:00AM

BH01-1'

E507257-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531032
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531024
Chloride	59.2	20.0	1	07/28/25	07/28/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/30/2025 8:56:00AM

BH02-0'

E507257-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.2 %	70-130		07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	99.8 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	20.7	20.0	1	07/28/25	07/28/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/30/2025 8:56:00AM

BH02-1'

E507257-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Benzene	ND	0.0250	1	07/24/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/28/25	
Toluene	ND	0.0250	1	07/24/25	07/28/25	
o-Xylene	ND	0.0250	1	07/24/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		07/24/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		07/24/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531032
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531024
Chloride	329	20.0	1	07/28/25	07/28/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/30/2025 8:56:00AM

BH03-0'

E507257-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Benzene	ND	0.0250	1	07/24/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/28/25	
Toluene	ND	0.0250	1	07/24/25	07/28/25	
o-Xylene	ND	0.0250	1	07/24/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		07/24/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		07/24/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531032
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531024
Chloride	1760	40.0	2	07/28/25	07/28/25	



Sample Data

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

Project Name: North Thistle 2 CTB 1
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/30/2025 8:56:00AM

BH03-1'

E507257-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Benzene	ND	0.0250	1	07/24/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/28/25	
Toluene	ND	0.0250	1	07/24/25	07/28/25	
o-Xylene	ND	0.0250	1	07/24/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		07/24/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2530147
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		07/24/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531032
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531024
Chloride	253	20.0	1	07/28/25	07/28/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/30/2025 8:56:00AM

Volatile Organics by EPA 8021B

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 (2530147-BLK1)

Prepared: 07/24/25 Analyzed: 07/27/25

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	7.97		8.00		99.6	70-130			

LCS (2530147-BS1)

Prepared: 07/24/25 Analyzed: 07/27/25

Benzene	5.82	0.0250	5.00		116	70-130			
Ethylbenzene	5.66	0.0250	5.00		113	70-130			
Toluene	5.76	0.0250	5.00		115	70-130			
o-Xylene	5.55	0.0250	5.00		111	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	16.9	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			

Matrix Spike (2530147-MS1)

Source: E507254-05

Prepared: 07/24/25 Analyzed: 07/27/25

Benzene	5.87	0.0250	5.00	ND	117	70-130			
Ethylbenzene	5.70	0.0250	5.00	ND	114	70-130			
Toluene	5.81	0.0250	5.00	ND	116	70-130			
o-Xylene	5.58	0.0250	5.00	ND	112	70-130			
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130			
Total Xylenes	17.0	0.0250	15.0	ND	114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike Dup (2530147-MSD1)

Source: E507254-05

Prepared: 07/24/25 Analyzed: 07/27/25

Benzene	5.67	0.0250	5.00	ND	113	70-130	3.53	27	
Ethylbenzene	5.51	0.0250	5.00	ND	110	70-130	3.41	26	
Toluene	5.60	0.0250	5.00	ND	112	70-130	3.67	20	
o-Xylene	5.39	0.0250	5.00	ND	108	70-130	3.51	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	3.43	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	3.46	26	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		95.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/30/2025 8:56:00AM

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 (2530147-BLK1) Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

LCS (2530147-BS2) Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matrix Spike (2530147-MS2) Source: E507254-05 Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			

Matrix Spike Dup (2530147-MSD2) Source: E507254-05 Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.773	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/30/2025 8:56:00AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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 (2531032-BLK1)					Prepared: 07/28/25 Analyzed: 07/29/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	61-141			

LCS (2531032-BS1)					Prepared: 07/28/25 Analyzed: 07/29/25				
Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	49.1		50.0		98.2	61-141			

Matrix Spike (2531032-MS1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/29/25		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	53.0		50.0		106	61-141			

Matrix Spike Dup (2531032-MSD1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/29/25		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	56-156	1.90	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	North Thistle 2 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	7/30/2025 8:56:00AM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2531024-BLK1)					Prepared: 07/28/25 Analyzed: 07/28/25				
Chloride	ND	20.0							
LCS (2531024-BS1)					Prepared: 07/28/25 Analyzed: 07/28/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2531024-MS1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/28/25		
Chloride	482	20.0	250	212	108	80-120			
Matrix Spike Dup (2531024-MSD1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/28/25		
Chloride	494	20.0	250	212	113	80-120	2.38	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:	North Thistle 2 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	07/30/25 08:56

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: North Thistle 2 CTB 1				Address: 5315 Buena Vista Dr		E50657	01058-0057				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@envirotech.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1245	7/18/25	Soil	1	13H01-0'		1													
1252				01-1'		2													
1341				02-0'		3													
1350				02-1'		4													
1436				03-0'		5													
1449				03-1'		6													

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@envirotech.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, ihinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, jmccauley@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: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	7/21/25	7:00	Michele Gonzales	7-21-25	1405
Michele Gonzales	7-21-25	1415	Marissa Gonzales	7-21-25	1415
Marissa Gonzales	7-21-25	1830	E. H.	7-21-25	1830
E. H.	7-21-25	2230	Carth Mar	7-22-25	645

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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

Lab Use Only
Received on ice:
Y N

Envirotech Analytical Laboratory

Printed: 7/22/2025 8:19:54AM

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:	07/22/25 06:45	Work Order ID:	E507257
Phone:	(505) 382-1211	Date Logged In:	07/21/25 17:03	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	07/29/25 17:00 (5 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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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 Correspondence

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 483894

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 483894
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516730095
Incident Name	NAPP2516730095 NORTH THISTLE 2 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123648372] NORTH THISTLE 2 CTB 1

Location of Release Source	
Site Name	NORTH THISTLE 2 CTB 1
Date Release Discovered	06/16/2025
Surface Owner	State

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	3,931
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	07/18/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Jenna Hinkle (510-417-5262)
Please provide any information necessary for navigation to liner inspection site	32.338563, -103.541173

Sante Fe Main Office
Phone: (505) 476-3441

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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

CONDITIONS

Action 483894

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 483894
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	7/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

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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 504704

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 504704
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516730095
Incident Name	NAPP2516730095 NORTH THISTLE 2 CTB 1 @ FAPP2123648372
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2123648372] NORTH THISTLE 2 CTB 1

Location of Release Source

Please answer all the questions in this group.

Site Name	NORTH THISTLE 2 CTB 1
Date Release Discovered	06/16/2025
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 145 BBL Recovered: 145 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Malfunction of water transfer pump, allowed spill to lined secondary containment.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 504704

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 504704
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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: James Raley Title: EHS Professional Email: jim.ralej@dv.com Date: 09/10/2025
----------------------------------------------------	---------------------------------------------------------------------------------------------

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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 504704

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 504704
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	1790
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	01/02/2040
On what date will (or did) the final sampling or liner inspection occur	07/18/2025
On what date will (or was) the remediation complete(d)	01/02/2040
What is the estimated surface area (in square feet) that will be reclaimed	4106
What is the estimated volume (in cubic yards) that will be reclaimed	152
What is the estimated surface area (in square feet) that will be remediated	4106
What is the estimated volume (in cubic yards) that will be remediated	152
<i>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.</i>	
<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>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 504704

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 504704
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 09/10/2025
<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 504704

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 504704
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Tanks, piping and lined containment
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4106
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	152
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2123648372 NORTH THISTLE 2 CTB 1
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 09/10/2025

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QUESTIONS, Page 6

Action 504704

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 504704
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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 504704

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 504704
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of BH03 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	12/10/2025