



December 16, 2024

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

**Re: Closure Request
Todd 36 CTB 3
Incident Number nAPP2428738425
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Todd 36 CTB 3 (Site). The Site is located in Unit O, Section 36, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.256621°, -103.728561°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Devon is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2428738425.

BACKGROUND

On October 12, 2024, a separator developed a leak, which resulted in the release of approximately 6 barrels (bbls) of produced water onto the caliche pad; 5 bbls of produced water were recovered. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on October 13, 2024, and submitted an initial C-141 application (Form C-141) on October 14, 2024. The release was subsequently assigned Incident Number nAPP2428738425.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, C 04746 POD1, located approximately 0.35 miles southwest of the Site. The well had a reported depth to groundwater greater than 105 feet below ground surface (bgs) and a total depth of 105 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as

shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater conditions. 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 freshwater pond, located approximately 0.75 miles north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT ACTIVITIES

On October 25, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

DELINEATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

On October 25, 2024, and November 18, 2024, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities and to oversee a surface scrape of the contaminated area. Seven delineation soil samples (SS01 through SS07) were collected from around the release extent at ground surface to assess the lateral extent of the release. Three boreholes were advanced via hand auger within the release extent to assess the vertical extent of the release area. Boreholes (BH01 through BH03) were advanced to a depth of 2 feet bgs. Discrete delineation soil samples were collected from each borehole at depths ranging from ground surface to 2 feet bgs. Soil samples were field screened for chloride and TPH utilizing Hach® Chloride QuanTab® Test Strips and a PetroFLAG® Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

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

Due to all delineation samples being within the Site Closure Criteria, excavation of the release area was not necessary and Ensolum personnel proceeded with confirmation sampling. On December 06, 2024, Ensolum personnel collected and screened soil samples for TPH and chloride utilizing the same methods as previously described.

Ensolum personnel collected 5-point composite soil samples representing at most 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Six composite soil samples (FS01 through FS06) were collected from the floor of the release extent at ground surface. The composite soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3. The release extent measured approximately 1,059 square feet.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS07, collected at ground surface, indicated all COC concentrations were compliant with Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results for the vertical delineation soil samples collected from boreholes BH01 through BH03 indicated all COC concentrations were in compliance with the Site Closure Criteria at ground surface and with the strictest Closure Criteria at a depth of 2 feet bgs.

Laboratory analytical results for excavation floor soil samples FS01 through FS06 indicated all COC concentrations were in compliance with the strictest Closure Criteria at ground surface. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table I by delineation soil samples SS01 through SS07, collected at ground surface, and vertically by boreholes BH01 through BH03, collected at depths of up to 2 feet bgs. Excavation of the impacted soil on-pad was completed, and excavation floor samples FS01 through FS06, collected at ground surface, were all in compliance with Site Closure Criteria.

Based on the remedial actions completed to date and a depth to groundwater greater than 105 feet bgs, Devon believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2428738425.

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

Sincerely,
Ensolum, LLC



Ashley Giovengo
Senior Scientist



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

Appendices:

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



FIGURES

Site Receptor Map

Devon Energy Production Company, LP

Todd 36 CTB 3

Incident Number: nAPP2428738425

Unit O, Section 36, T 23W, R 31N

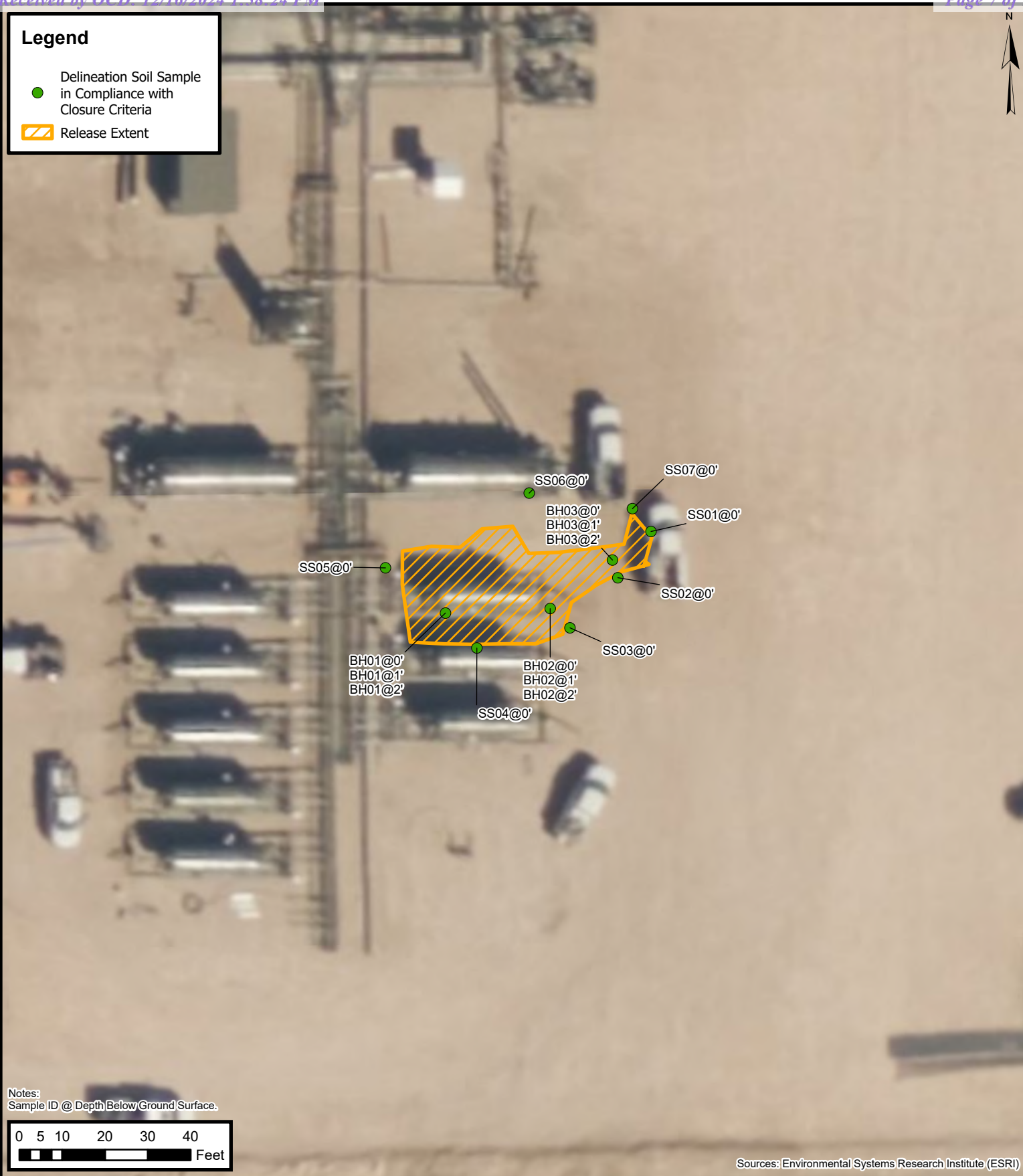
Eddy County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Release Extent

**Delineation Soil Sample Locations**

Devon Energy Production Company, LP

Todd 36 CTB 3

Incident Number: nAPP2428738425

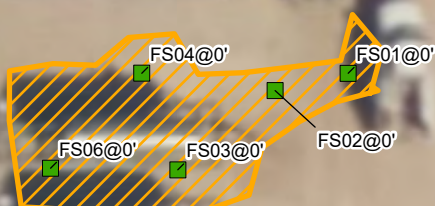
Unit O, Section 36, T 23W, R 31N

Eddy County, New Mexico

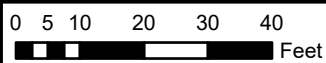
FIGURE**2**

Legend

- Excavation Floor Sample
in Compliance with
Closure Criteria
- Release Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

Devon Energy Production Company, LP

Todd 36 CTB 3

Incident Number: nAPP2428738425

Unit O, Section 36, T 23W, R 31N

Eddy County, New Mexico

FIGURE

3



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Todd 36 CTB 3
 Devon Energy Production Company, LP
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	10/25/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	156
SS02	10/25/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	171
SS03	10/25/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.2
SS04	10/25/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	140
SS05	10/25/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	133
SS06	10/25/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
SS07	10/25/2024	0	<0.0250	<0.0500	<20.0	43.7	<50.0	43.7	<50.0	43.7
BH01	11/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	573
BH01	11/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	405
BH01	11/18/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	311
BH02	11/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	11/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.1
BH02	11/18/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.0
BH03	11/18/2024	0	<0.0250	<0.0500	<20.0	40.8	51.6	40.8	92.4	<20.0
BH03	11/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.5
BH03	11/18/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.6

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Todd 36 CTB 3
 Devon Energy Production Company, LP
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,510
FS02	12/6/2024	0	<0.0250	<0.0500	<20.0	43.6	56.0	43.6	99.6	19,400
FS03	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,700
FS04	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,700
FS05	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	18,000
FS06	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,700

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4746 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-4746		
	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 15'	SECONDS 18.5" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE 103		44'	03.4" W		
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 6-1-23		DRILLING ENDED 6-1-23	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	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	
	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	100	6	2" PVC SCH 40	Thread	2"	SCH 40	-
	100	105	6	2" PVC SCH 40	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 plugged		

FOR OSE INTERNAL USE

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

FILE NO. C-4746	POD NO. 1	TRN NO. 147203
LOCATION 235. 31E. 36 3 4 3	WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Red sand/White Caliche	Y ✓ N	
	10	20	10	White Caliche	Y ✓ N	
	20	80	60	Light Tan fine sand	Y ✓ N	
	80	105	25	Brown fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	

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: <div style="text-align: right; margin-top: 10px;">05E 011 JUN 13 2023 PM2:08</div>	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley		

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:	DATE
 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jason Maley _____	6-7-23 _____

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4746	POD NO. 1	TRN NO. 747 203	
LOCATION 235-316 36 343	WELL TAG ID NO. NA	PAGE 2 OF 2	



APPENDIX B

Photographic Log



Photographic Log

Devon Energy Production Company, LP

Todd 36 CTB 3

nAPP2428738425



Photograph 1

Date: 10/25/24

Description: Sign

View: East



Photograph 2

Date: 10/25/24

Description: Stained Area

View: Southwest



Photograph 3

Date: 10/25/24

Description: Stained Area

View: West



Photograph 4

Date: 10/25/24

Description: Stained Area

View: Southwest



Photographic Log

Devon Energy Production Company, LP

Todd 36 CTB 3

nAPP2428738425



Photograph 5

Date: 10/25/24

Description: Stained Area

View: West

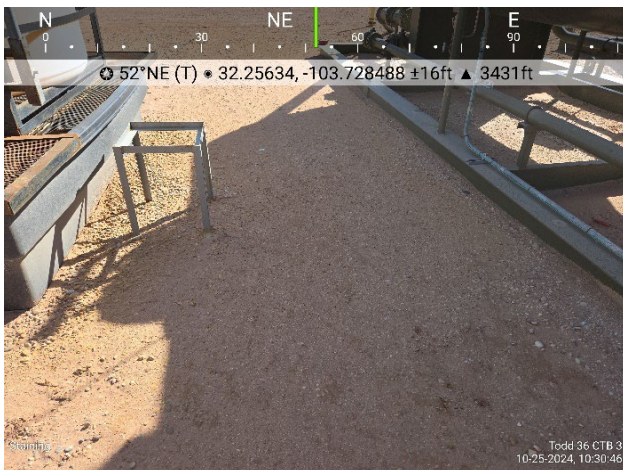


Photograph 6

Date: 10/25/24

Description: Stained Area

View: Northeast

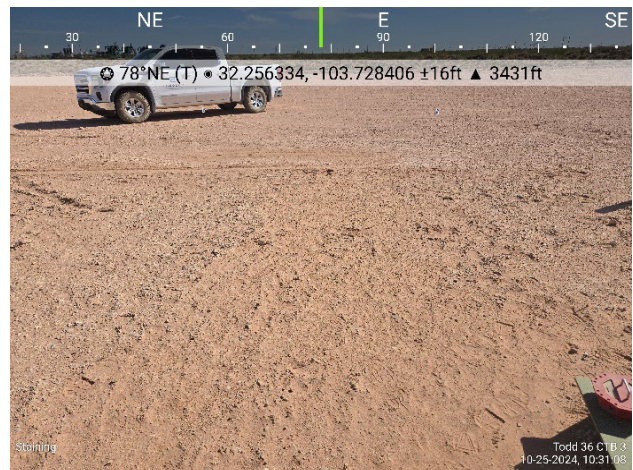


Photograph 7

Date: 10/25/24

Description: Stained Area

View: Northeast



Photograph 8

Date: 10/25/24

Description: Stained Area

View: East



Photographic Log

Devon Energy Production Company, LP

Todd 36 CTB 3

nAPP2428738425



Photograph 9
Description: BH01
View: Northwest

Date: 11/18/24



Photograph 10
Description: BH02
View: West

Date: 11/18/24



Photograph 11
Description: BH03
View: West

Date: 11/18/24



Photograph 12
Description: Delineation
View: Northwest

Date: 11/18/24



Photographic Log

Devon Energy Production Company, LP

Todd 36 CTB 3

nAPP2428738425



Photograph 13

Date: 12/6/24

Description: Confirmation Sampling

View: West



Photograph 14

Date: 12/6/24

Description: Confirmation Sampling

View: West



Photograph 15

Date: 12/6/24

Description: Confirmation Sampling

View: West



Photograph 16

Date: 12/6/24


Description: Confirmation Sampling


View: East




APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 11/18/24	
								Site Name: Todd 36 CTB 3			
								Incident Number: nAPP2428738425			
								Job Number: 03A1987143			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.256284, -103.728457								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, 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			N	BH01	0	0	CCHE	Moist, Caliche, No stain, Non pliable, Non plastic			
M			N	BH01	1	1	SP-SM	Moist, Sand, No stain, Non pliable, Non plastic			
M	476	24	N	BH01	2	2					
Total Depth 2 ft.											

					Sample Name: BH02		Date: 11/18/24	
					Site Name: Todd 36 CTB 3			
					Incident Number: nAPP2428738425			
					Job Number: 03A1987143			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.256286, -103.728378					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, 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	ND	0	N	BH02	0	0	CCHE	Moist, Caliche, No stain, Non pliable, Non plastic
M			N	BH02	1	1	SP-SM	Moist, Sand, No stain, Non pliable, Non plastic
M			N	BH02	2	2		
Total Depth 2 ft.								

								Sample Name: BH03		Date: 11/18/24	
								Site Name: Todd 36 CTB 3			
								Incident Number: nAPP2428738425			
								Job Number: 03A1987143			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.256317, -103.728331								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, 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	ND	131	N	BH03	0	0	CCHE	Moist, Caliche, No stain, Non pliable, Non plastic			
M			N	BH03	1	1	SP-SM	Moist, Sand, No stain, Non pliable, Non plastic			
M			N	BH03	2	2					
Total Depth 2 ft.											



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: Todd 36 CTB 3

Work Order: E410346

Job Number: 01058-0007

Received: 10/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/5/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/5/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Todd 36 CTB 3
Workorder: E410346
Date Received: 10/29/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/29/2024 7:30:00AM, under the Project Name: Todd 36 CTB 3.

The analytical test results summarized in this report with the Project Name: Todd 36 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name:	Todd 36 CTB 3	Reported: 11/05/24 11:08
	Project Number:	01058-0007	
	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E410346-01A	Soil	10/25/24	10/29/24	Glass Jar, 2 oz.
SS02-0'	E410346-02A	Soil	10/25/24	10/29/24	Glass Jar, 2 oz.
SS03-0'	E410346-03A	Soil	10/25/24	10/29/24	Glass Jar, 2 oz.
SS04-0'	E410346-04A	Soil	10/25/24	10/29/24	Glass Jar, 2 oz.
SS05-0'	E410346-05A	Soil	10/25/24	10/29/24	Glass Jar, 2 oz.
SS06-0'	E410346-06A	Soil	10/25/24	10/29/24	Glass Jar, 2 oz.
SS07-0'	E410346-07A	Soil	10/25/24	10/29/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 11/5/2024 11:08:19AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

SS01-0'
E410346-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Benzene	ND	0.0250	1	10/29/24	11/02/24	
Ethylbenzene	ND	0.0250	1	10/29/24	11/02/24	
Toluene	ND	0.0250	1	10/29/24	11/02/24	
o-Xylene	ND	0.0250	1	10/29/24	11/02/24	
p,m-Xylene	ND	0.0500	1	10/29/24	11/02/24	
Total Xylenes	ND	0.0250	1	10/29/24	11/02/24	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/24	11/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444047	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/24	11/02/24	
Surrogate: n-Nonane	102 %	50-200		10/29/24	11/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444087	
Chloride	156	20.0	1	10/30/24	10/30/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 11/5/2024 11:08:19AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

SS02-0'

E410346-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Benzene	ND	0.0250	1	10/29/24	11/02/24	
Ethylbenzene	ND	0.0250	1	10/29/24	11/02/24	
Toluene	ND	0.0250	1	10/29/24	11/02/24	
o-Xylene	ND	0.0250	1	10/29/24	11/02/24	
p,m-Xylene	ND	0.0500	1	10/29/24	11/02/24	
Total Xylenes	ND	0.0250	1	10/29/24	11/02/24	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/24	11/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444047	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/24	11/02/24	
Surrogate: n-Nonane	96.8 %	50-200		10/29/24	11/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444087	
Chloride	171	20.0	1	10/30/24	10/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/5/2024 11:08:19AM
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SS03-0'

E410346-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Benzene	ND	0.0250	1	10/29/24	11/02/24	
Ethylbenzene	ND	0.0250	1	10/29/24	11/02/24	
Toluene	ND	0.0250	1	10/29/24	11/02/24	
o-Xylene	ND	0.0250	1	10/29/24	11/02/24	
p,m-Xylene	ND	0.0500	1	10/29/24	11/02/24	
Total Xylenes	ND	0.0250	1	10/29/24	11/02/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/24	11/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444047	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/24	11/02/24	
Surrogate: n-Nonane	90.2 %	50-200		10/29/24	11/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444087	
Chloride	23.2	20.0	1	10/30/24	10/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/5/2024 11:08:19AM
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SS04-0'

E410346-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Benzene	ND	0.0250	1	10/29/24	11/02/24	
Ethylbenzene	ND	0.0250	1	10/29/24	11/02/24	
Toluene	ND	0.0250	1	10/29/24	11/02/24	
o-Xylene	ND	0.0250	1	10/29/24	11/02/24	
p,m-Xylene	ND	0.0500	1	10/29/24	11/02/24	
Total Xylenes	ND	0.0250	1	10/29/24	11/02/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/24	11/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444047	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/24	11/02/24	
Surrogate: n-Nonane	85.2 %	50-200		10/29/24	11/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444087	
Chloride	140	20.0	1	10/30/24	10/30/24	



Sample Data

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

Project Name: Todd 36 CTB 3
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/5/2024 11:08:19AM

SS05-0'

E410346-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Benzene	ND	0.0250	1	10/29/24	11/02/24	
Ethylbenzene	ND	0.0250	1	10/29/24	11/02/24	
Toluene	ND	0.0250	1	10/29/24	11/02/24	
o-Xylene	ND	0.0250	1	10/29/24	11/02/24	
p,m-Xylene	ND	0.0500	1	10/29/24	11/02/24	
Total Xylenes	ND	0.0250	1	10/29/24	11/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.8 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/24	11/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.3 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444047	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/24	11/02/24	
<i>Surrogate: n-Nonane</i>	96.2 %	50-200		10/29/24	11/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444087	
Chloride	133	20.0	1	10/30/24	10/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/5/2024 11:08:19AM
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SS06-0'

E410346-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Benzene	ND	0.0250	1	10/29/24	11/02/24	
Ethylbenzene	ND	0.0250	1	10/29/24	11/02/24	
Toluene	ND	0.0250	1	10/29/24	11/02/24	
o-Xylene	ND	0.0250	1	10/29/24	11/02/24	
p,m-Xylene	ND	0.0500	1	10/29/24	11/02/24	
Total Xylenes	ND	0.0250	1	10/29/24	11/02/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/24	11/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444047	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/24	11/02/24	
Surrogate: n-Nonane	96.1 %	50-200		10/29/24	11/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444087	
Chloride	127	20.0	1	10/30/24	10/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/5/2024 11:08:19AM
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SS07-0'

E410346-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Benzene	ND	0.0250	1	10/29/24	11/02/24	
Ethylbenzene	ND	0.0250	1	10/29/24	11/02/24	
Toluene	ND	0.0250	1	10/29/24	11/02/24	
o-Xylene	ND	0.0250	1	10/29/24	11/02/24	
p,m-Xylene	ND	0.0500	1	10/29/24	11/02/24	
Total Xylenes	ND	0.0250	1	10/29/24	11/02/24	
Surrogate: 4-Bromochlorobenzene-PID	89.7 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/24	11/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		10/29/24	11/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444047	
Diesel Range Organics (C10-C28)	32.3	25.0	1	10/29/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/24	11/02/24	
Surrogate: n-Nonane	94.8 %	50-200		10/29/24	11/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444087	
Chloride	43.7	20.0	1	10/30/24	10/30/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/5/2024 11:08:19AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2444053-BLK1)Prepared: 10/29/24 Analyzed: 11/02/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.3	70-130			

LCS (2444053-BS1)Prepared: 10/29/24 Analyzed: 11/02/24

Benzene	5.19	0.0250	5.00		104	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.9	70-130			

LCS Dup (2444053-BSD1)Prepared: 10/29/24 Analyzed: 11/02/24

Benzene	5.42	0.0250	5.00		108	70-130	4.26	20	
Ethylbenzene	5.30	0.0250	5.00		106	70-130	4.29	20	
Toluene	5.40	0.0250	5.00		108	70-130	4.35	20	
o-Xylene	5.31	0.0250	5.00		106	70-130	4.71	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	4.36	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	4.47	20	
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/5/2024 11:08:19AM

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 (2444053-BLK1) Prepared: 10/29/24 Analyzed: 11/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

LCS (2444053-BS2) Prepared: 10/29/24 Analyzed: 11/02/24

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

LCS Dup (2444053-BSD2) Prepared: 10/29/24 Analyzed: 11/02/24

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130	2.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/5/2024 11:08:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2444047-BLK1) Prepared: 10/29/24 Analyzed: 11/02/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.5		50.0		87.1	50-200			

LCS (2444047-BS1) Prepared: 10/29/24 Analyzed: 11/02/24

Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS Dup (2444047-BSD1) Prepared: 10/29/24 Analyzed: 11/02/24

Diesel Range Organics (C10-C28)	284	25.0	250		114	38-132	4.91	20	
Surrogate: n-Nonane	49.7		50.0		99.4	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/5/2024 11:08:19AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2444087-BLK1)	Prepared: 10/30/24 Analyzed: 10/30/24							
Chloride	ND	20.0						
LCS (2444087-BS1)	Prepared: 10/30/24 Analyzed: 10/30/24							
Chloride	251	20.0	250		100	90-110		
LCS Dup (2444087-BSD1)	Prepared: 10/30/24 Analyzed: 10/30/24							
Chloride	251	20.0	250		100	90-110	0.0175	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:	Todd 36 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/05/24 11:08

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



Chain of Custody

Page 1 of 1

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon				Lab WO# E410346				Job Number 01058-0007				1D 2D 3D Std			
Project: 10dd 36 CTB 3				Address: 5315 Buena Vista Dr												NM CO UT TX			
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@divn.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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
															Compliance	Y	or N		
															PWSID #				
															Remarks				
12:11	10/25/24	Soil	1	SS01 - 0'		1						X							
14:06				SS02 - 0'		2						X							
13:19				SS03 - 0'		3						X							
13:20				SS04 - 0'		4						X							
13:30				SS05 - 0'		5						X							
14:53				SS06 - 0'		6						X							
12:22				SS07 - 0'		7						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@divn.com, iestrella@ensolum.com, bdeal@ensolum, chamilton@ensolum.com, bsimmons@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Bowan Simmons																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Envirotech Analytical Laboratory

Printed: 10/29/2024 9:41:46AM

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:	10/29/24 07:30	Work Order ID:	E410346
Phone:	(505) 382-1211	Date Logged In:	10/28/24 16:36	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	11/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab 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.

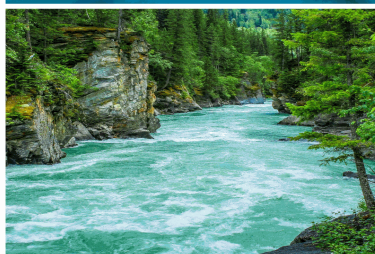
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Todd 36 CTB 3

Work Order: E411208

Job Number: 01058-0007

Received: 11/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/26/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/26/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Todd 36 CTB 3
Workorder: E411208
Date Received: 11/20/2024 6:15:12AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/20/2024 6:15:12AM, under the Project Name: Todd 36 CTB 3.

The analytical test results summarized in this report with the Project Name: Todd 36 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/26/24 12:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E411208-01A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH01-1'	E411208-02A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH01-2'	E411208-03A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH02-0'	E411208-04A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH02-1'	E411208-05A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH02-2'	E411208-06A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH03-0'	E411208-07A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH03-1'	E411208-08A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.
BH03-2'	E411208-09A	Soil	11/18/24	11/20/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/26/2024 12:57:59PM
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BH01-0'

E411208-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS		Batch: 2447053	
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene		91.6 %	70-130	11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	11/20/24	11/21/24	
Surrogate: Toluene-d8		99.3 %	70-130	11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2447053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene		91.6 %	70-130	11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	11/20/24	11/21/24	
Surrogate: Toluene-d8		99.3 %	70-130	11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2447061	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane		103 %	50-200	11/20/24	11/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2447093	
Chloride	573	20.0	1	11/21/24	11/21/24	



Sample Data

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

Project Name: Todd 36 CTB 3
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/26/2024 12:57:59PM

BH01-1'

E411208-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	91.4 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	97.6 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	91.4 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	97.6 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	111 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	405	20.0	1	11/21/24	11/21/24	



Sample Data

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

Project Name: Todd 36 CTB 3
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/26/2024 12:57:59PM

BH01-2'

E411208-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	90.2 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	98.8 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	90.2 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	98.8 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	112 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	311	20.0	1	11/21/24	11/21/24	



Sample Data

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

Project Name: Todd 36 CTB 3
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/26/2024 12:57:59PM

BH02-0'

E411208-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	89.9 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	98.1 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	89.9 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	98.1 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	112 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	ND	40.0	2	11/21/24	11/21/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 11/26/2024 12:57:59PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

BH02-1'

E411208-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	103 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	103 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	114 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	22.1	20.0	1	11/21/24	11/21/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 11/26/2024 12:57:59PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

BH02-2'

E411208-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	102 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	102 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	113 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	43.0	20.0	1	11/21/24	11/21/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/26/2024 12:57:59PM
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BH03-0'

E411208-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	101 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	101 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	40.8	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	51.6	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	113 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	ND	20.0	1	11/21/24	11/21/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/26/2024 12:57:59PM
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BH03-1'

E411208-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	103 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	103 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	105 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	21.5	20.0	1	11/21/24	11/21/24	



Sample Data

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

Project Name: Todd 36 CTB 3
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/26/2024 12:57:59PM

BH03-2'

E411208-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Benzene	ND	0.0250	1	11/20/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/21/24	
Toluene	ND	0.0250	1	11/20/24	11/21/24	
o-Xylene	ND	0.0250	1	11/20/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/20/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	104 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2447053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/21/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		11/20/24	11/21/24	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		11/20/24	11/21/24	
Surrogate: Toluene-d8	104 %	70-130		11/20/24	11/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2447061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane	113 %	50-200		11/20/24	11/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447093
Chloride	23.6	20.0	1	11/21/24	11/21/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 11/26/2024 12:57:59PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

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 (2447053-BLK1) Prepared: 11/20/24 Analyzed: 11/21/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2447053-BS1) Prepared: 11/20/24 Analyzed: 11/21/24

Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.72	0.0250	2.50		109	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	3.15	0.0250	2.50		126	70-130			
p,m-Xylene	6.34	0.0500	5.00		127	70-130			
Total Xylenes	9.49	0.0250	7.50		126	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS Dup (2447053-BSD1) Prepared: 11/20/24 Analyzed: 11/21/24

Benzene	2.54	0.0250	2.50		102	70-130	0.882	23	
Ethylbenzene	2.69	0.0250	2.50		107	70-130	1.42	27	
Toluene	2.59	0.0250	2.50		103	70-130	3.08	24	
o-Xylene	2.98	0.0250	2.50		119	70-130	5.68	27	
p,m-Xylene	5.88	0.0500	5.00		118	70-130	7.45	27	
Total Xylenes	8.86	0.0250	7.50		118	70-130	6.86	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/26/2024 12:57:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

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 (2447053-BLK1) Prepared: 11/20/24 Analyzed: 11/21/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2447053-BS2) Prepared: 11/20/24 Analyzed: 11/21/24

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS Dup (2447053-BSD2) Prepared: 11/20/24 Analyzed: 11/21/24

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130	1.51	20	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/26/2024 12:57:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447061-BLK1) Prepared: 11/20/24 Analyzed: 11/20/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.2		50.0		116	50-200			

LCS (2447061-BS1) Prepared: 11/20/24 Analyzed: 11/20/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	59.7		50.0		119	50-200			

Matrix Spike (2447061-MS1) Source: E411208-05 Prepared: 11/20/24 Analyzed: 11/20/24

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	58.9		50.0		118	50-200			

Matrix Spike Dup (2447061-MSD1) Source: E411208-05 Prepared: 11/20/24 Analyzed: 11/20/24

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	1.72	20	
Surrogate: n-Nonane	57.5		50.0		115	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/26/2024 12:57:59PM

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 (2447093-BLK1)					Prepared: 11/21/24 Analyzed: 11/21/24				
Chloride	ND	20.0							
LCS (2447093-BS1)					Prepared: 11/21/24 Analyzed: 11/21/24				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2447093-BSD1)					Prepared: 11/21/24 Analyzed: 11/21/24				
Chloride	253	20.0	250		101	90-110	0.328	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:	Todd 36 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/26/24 12:57

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

Chain of Custody

Page 1 of 1

Received by OCD: 12/16/2024 1:58:24 PM

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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		Job Number				1D 2D 3D Std					
Project: <u>Todd 36 (TB 3)</u>				Address: 5315 Buena Vista Dr		E 411208		01058-0007				<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX					
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@dvn.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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1045	11/18/24	Soil	1	BH01-01		1						X					
1053				↓ 1'		2						X					
1055				↓ 2'		3						X					
1055				BH02-01		4						X					
1104				↓ 1'		5						X					
1106				↓ 2'		6						X					
1107				BH03-01		7						X					
1110				↓ 1'		8						X					
1111				↓ 2'		9						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Cole Burton</u> <u>Israel Estrella</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 in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Envirotech Analytical Laboratory

Printed: 11/20/2024 7:18:23AM

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:	11/20/24 06:15	Work Order ID:	E411208
Phone:	(505) 382-1211	Date Logged In:	11/19/24 16:01	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	11/26/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

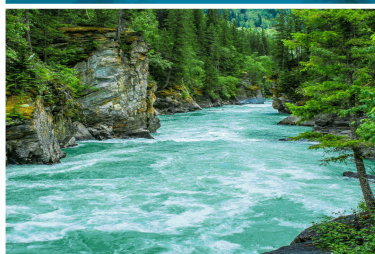
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Todd 36 CTB 3

Work Order: E412077

Job Number: 01058-0007

Received: 12/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/12/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/12/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Todd 36 CTB 3
Workorder: E412077
Date Received: 12/11/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/11/2024 8:00:00AM, under the Project Name: Todd 36 CTB 3.

The analytical test results summarized in this report with the Project Name: Todd 36 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/12/24 13:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 - 0'	E412077-01A	Soil	12/06/24	12/11/24	Glass Jar, 2 oz.
FS02 - 0'	E412077-02A	Soil	12/06/24	12/11/24	Glass Jar, 2 oz.
FS03 - 0'	E412077-03A	Soil	12/06/24	12/11/24	Glass Jar, 2 oz.
FS04 - 0'	E412077-04A	Soil	12/06/24	12/11/24	Glass Jar, 2 oz.
FS05 - 0'	E412077-05A	Soil	12/06/24	12/11/24	Glass Jar, 2 oz.
FS06 - 0'	E412077-06A	Soil	12/06/24	12/11/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 12/12/2024 1:04:19PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS01 - 0'

E412077-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.7 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450049	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane	111 %	50-200		12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450052	
Chloride	5510	40.0	2	12/11/24	12/11/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 12/12/2024 1:04:19PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS02 - 0'

E412077-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
Surrogate: 4-Bromochlorobenzene-PID	91.3 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450049	
Diesel Range Organics (C10-C28)	43.6	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	56.0	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane	113 %	50-200		12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450052	
Chloride	19400	400	20	12/11/24	12/11/24	

Sample Data

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

Project Name: Todd 36 CTB 3
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/12/2024 1:04:19PM

FS03 - 0'

E412077-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2450049	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		12/11/24	12/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2450052	
Chloride	1700	40.0	2	12/11/24	12/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Todd 36 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/12/2024 1:04:19PM
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FS04 - 0'

E412077-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450049	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane	110 %	50-200		12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450052	
Chloride	17700	200	10	12/11/24	12/11/24	



Sample Data

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

Project Name: Todd 36 CTB 3
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/12/2024 1:04:19PM

FS05 - 0'

E412077-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Benzene	ND	0.0250	1	12/11/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/12/24	
Toluene	ND	0.0250	1	12/11/24	12/12/24	
o-Xylene	ND	0.0250	1	12/11/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/12/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		12/11/24	12/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		12/11/24	12/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2450049	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		12/11/24	12/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2450052	
Chloride	18000	400	20	12/11/24	12/11/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported: 12/12/2024 1:04:19PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS06 - 0'

E412077-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Benzene	ND	0.0250	1	12/11/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/12/24	
Toluene	ND	0.0250	1	12/11/24	12/12/24	
o-Xylene	ND	0.0250	1	12/11/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/12/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/12/24	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		12/11/24	12/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2450054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		12/11/24	12/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450049	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane	107 %	50-200		12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450052	
Chloride	13700	200	10	12/11/24	12/11/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/12/2024 1:04:19PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2450054-BLK1)Prepared: 12/11/24 Analyzed: 12/11/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

LCS (2450054-BS1)Prepared: 12/11/24 Analyzed: 12/11/24

Benzene	4.98	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
o-Xylene	4.93	0.0250	5.00		98.5	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

Matrix Spike (2450054-MS1)Source: E412076-02Prepared: 12/11/24 Analyzed: 12/11/24

Benzene	5.14	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
o-Xylene	5.08	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2450054-MSD1)Source: E412076-02Prepared: 12/11/24 Analyzed: 12/11/24

Benzene	5.45	0.0250	5.00	ND	109	54-133	5.85	20	
Ethylbenzene	5.37	0.0250	5.00	ND	107	61-133	6.13	20	
Toluene	5.43	0.0250	5.00	ND	109	61-130	5.86	20	
o-Xylene	5.39	0.0250	5.00	ND	108	63-131	5.95	20	
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	5.85	20	
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131	5.88	20	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/12/2024 1:04:19PM

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 (2450054-BLK1) Prepared: 12/11/24 Analyzed: 12/11/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			

LCS (2450054-BS2) Prepared: 12/11/24 Analyzed: 12/11/24

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

Matrix Spike (2450054-MS2) Source: E412076-02 Prepared: 12/11/24 Analyzed: 12/11/24

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

Matrix Spike Dup (2450054-MSD2) Source: E412076-02 Prepared: 12/11/24 Analyzed: 12/11/24

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.5	70-130	0.424	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/12/2024 1:04:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2450049-BLK1)	Prepared: 12/11/24 Analyzed: 12/11/24								
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS (2450049-BS1)	Prepared: 12/11/24 Analyzed: 12/11/24								
Diesel Range Organics (C10-C28)	248	25.0	250		99.4	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

LCS Dup (2450049-BSD1)	Prepared: 12/11/24 Analyzed: 12/11/24								
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132	5.56	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Todd 36 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/12/2024 1:04:19PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2450052-BLK1)	Prepared: 12/11/24 Analyzed: 12/11/24							
Chloride	ND	20.0						
LCS (2450052-BS1)	Prepared: 12/11/24 Analyzed: 12/11/24							
Chloride	256	20.0	250		102	90-110		
LCS Dup (2450052-BSD1)	Prepared: 12/11/24 Analyzed: 12/11/24							
Chloride	257	20.0	250		103	90-110	0.325	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:	Todd 36 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/12/24 13:04

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

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

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



Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 12/11/2024 9:07:16AM

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:	12/11/24 08:00	Work Order ID:	E412077
Phone:	(505) 382-1211	Date Logged In:	12/10/24 14:19	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	12/17/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Notifications

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 408483

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 408483
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428738425
Incident Name	NAPP2428738425 TODD 36 CTB 3 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123651847] TODD 36 CTB 3

Location of Release Source	
Site Name	TODD 36 CTB 3
Date Release Discovered	10/12/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,060
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/06/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.256621, -103.728561

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CONDITIONS

Action 408483

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 408483
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/4/2024

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QUESTIONS

Action 412359

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428738425
Incident Name	NAPP2428738425 TODD 36 CTB 3 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123651847] TODD 36 CTB 3

Location of Release Source	
Please answer all the questions in this group.	
Site Name	TODD 36 CTB 3
Date Release Discovered	10/12/2024
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 Separator Produced Water Released: 6 BBL Recovered: 5 BBL Lost: 1 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)	Leak found on separator. 5.6 bbls produced water spilled onto pad. 4.5 bbls recovered.

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QUESTIONS, Page 2

Action 412359

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 10/14/2024
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QUESTIONS, Page 3

Action 412359

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	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

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

Requesting a remediation plan approval with this submission	Yes
<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)	19400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	99.6
GRO+DRO (EPA SW-846 Method 8015M)	43.6
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/01/2075
On what date will (or did) the final sampling or liner inspection occur	12/06/2024
On what date will (or was) the remediation complete(d)	01/01/2075
What is the estimated surface area (in square feet) that will be reclaimed	1059
What is the estimated volume (in cubic yards) that will be reclaimed	39
What is the estimated surface area (in square feet) that will be remediated	1059
What is the estimated volume (in cubic yards) that will be remediated	39

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 412359

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	OWL LANDFILL JAL [JEG1635837366]
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: 12/16/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 412359

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 412359

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	408484
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/09/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1060

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1059
What was the total volume (cubic yards) remediated	39
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	All confirmation soil sample results are below the applicable site criteria and the release extent was laterally and vertically defined in accordance with the strictest closure criteria per NMOCD Table I.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 12/16/2024

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QUESTIONS, Page 7

Action 412359

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 412359

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412359
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2428738425 TODD 36 CTB 3, thank you. This Remediation Closure Report is approved.	1/10/2025