



January 29, 2026

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
CDU PW Line Spill
Incident Number: nAPP2521931180
Eddy County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Remediation Work Plan (RWP)* to document assessment and soil sampling activities performed at the CDU PW Line Spill (Site) and proposing additional remedial actions. The purpose of the Site assessment and soil sampling activities was to address impacted and waste-containing soil resulting from a produced water release. Devon is submitting this *RWP*, describing analytical results from soil sampling activities associated with Incident Number nAPP2521931180, and proposing excavation of the subject matter release prior to submitting a *Closure Request*.

BACKGROUND

The Site is located in Unit G, Section 02, Township 25 South, Range 31 East, in Eddy County, New Mexico (32.1627752°, -103.7452862°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On August 06, 2025, a produced water line developed a leak along the road which resulted in the release of approximately 50 barrels (bbls) of produced water into a pipeline right-of-way (ROW) and down the road surface. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on August 07, 2025, and submitted a Release Notification Form C-141 (C-141) on August 12, 2025. The release was assigned Incident Number nAPP2521931180.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be 300 feet below ground surface (bgs) based on an exploration well completed by Rockhouse Ranch Inc. on February 02, 2025. Soil boring C-03830 POD1 is located approximately 2,564 feet southeast of the Site and was drilled to a total depth of 450 feet bgs and had a depth to groundwater of 300 feet bgs. The referenced well record is included in Appendix A. New Mexico Office of the State Engineer (NMOSE) also documents well C-02571, used for commercial water production, located 280 feet north of the Site, does not have a reported depth to water. Photographic documentation of the area is included in Appendix B. There are no regional or Site-specific

hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. The location of the boring is presented on Figure 1.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 5.18 miles northeast 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 within 1,000 feet of 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).

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

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

Excavation and soil sampling activities (if warranted) will be completed in accordance with 19.15.29 NMAC.

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH will be applied to the top 4 feet of the area that was impacted, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

ENVIRONMENTAL DESKTOP REVIEW

A review of the United States Fish and Wildlife Service (USFWS) Information, Planning, and Conservation System (IPaC) and New Mexico Game and Fish (NMGF) New Mexico Environmental Review Tool (NMERT) took place on August 18, 2025. According to the IPaC report, one threatened species, one endangered species, and one proposed threatened species could be found in the area around the Site but there was no critical habitat flagged within and around the Site boundary. The NMERT report had flagged two stated-listed species have the possibility of being found in and around the Site included in Appendix C.

Ensolum reviewed the Site for the occurrence of aquatic resources. There were no aquatic resources located within the Site. The Site was located within the Federal Emergency Management Agency (FEMA) Flood Zone X, which poses a minimal risk for flooding and the soils within the Site did not have a hydric rating that would support aquatic resources.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on August 08, 2025, Ensolum personnel were onsite to delineate the lateral extent of the release as indicated by field observations. A total of 13 lateral soil samples (SS01 through SS13) were collected at ground surface and 1-foot bgs just beyond the edge of the observed release extent. Beginning on August 25, 2025, nine boreholes (BH01 through BH09) were advanced via hand auger within the release extent to assess the vertical extent of the release. Boreholes BH01, BH02, BH04, BH05 and BH06 were advanced to a terminal depth of 1-foot bgs. Boreholes BH08 and BH09 were

advanced to a terminal depth of 2 feet bgs. Borehole BH03 was advanced to a terminal depth of 5 feet bgs. Borehole BH07 was advanced to a depth of 6 feet bgs. On October 9, 2025, Ensolum contracted Hungry Horse, LLC to advance borehole BH03 to a terminal depth of 32 feet bgs with an air rotary drilling rig. On October 23, 2025, Ensolum contracted Dupree to advance borehole BH07 to a terminal depth of 9 feet bgs with a core drill. Delineation soil samples were collected from each borehole at depths ranging from ground surface to terminal depth. All delineation soil samples were field screened for chloride utilizing Hach® Chloride QuanTab® test strips. Ensolum observed silty sand from the ground surface to a depth of approximately 32 feet bgs. Ensolum did not observe any karst features beneath the Site. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix D. Photographic documentation of delineation activities is included in Appendix B.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS13 were all in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for vertical delineation soil samples collected from boreholes BH02 through BH09 indicated chloride and/or TPH concentrations exceeded reclamation requirement in the top 4 feet. Borehole BH03 was in compliance with the strictest Table I Closure Criteria at a depth of 31 feet bgs. Borehole BH07 was in compliance with the strictest Table I Closure Criteria at the terminal depth of 9 feet bgs. Boreholes BH02, BH04, BH05 and BH06 were all in compliance with the strictest Table I Closure Criteria at a terminal depth of 1-foot bgs. Borehole BH01 was in compliance with the strictest Table I Closure Criteria at ground surface to a terminal depth of 2 feet bgs. Boreholes BH08 and BH09 were all in compliance with the strictest Table I Closure Criteria at ground surface to a terminal depth of 2 feet bgs. Laboratory results are summarized in Table 1 and laboratory analytical reports are included in Appendix E.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing chloride and TPH concentrations exceeding closure criteria exist across an approximate 48,211-square-foot area and extends to depths of 31 feet bgs. Devon proposes to complete excavation activities at the Site according to the following actions:

- Excavation of waste-containing soil will be conducted to the maximum extent possible (MEP) or closure criteria is met. Excavation will proceed laterally until sidewall samples confirm COC concentrations are compliant with the reclamation requirement set forth in 19.15.29.13 NMAC. Up to 3,753 cubic yards of impacted and waste-containing soil is expected to be excavated and will be transported to an approved disposal facility. The proposed excavation extent and estimated depths are shown on Figure 3.
- Confirmation samples will be collected at a frequency of one composite soil sample every 200 square feet from the floor and sidewalls of the excavation. Confirmation soil samples will be analyzed for all COCs listed above.

Devon Energy Production Company, LP
Remediation Work Plan
CDU PW Line Spill



- The excavation will be backfilled and recontoured to match pre-existing conditions and will be reseeded with a seed mixture approved by the BLM.
- Drilling activities associated with borehole BH03 indicated a slight chloride contamination observed at 30 feet bgs and as such, Devon believes this is due to sluff falling into the hole during delineation with the air rotary drill when the hole collapsed at 30 feet bgs. Additional delineation samples will be collected from the immediate surrounding area.

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

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

Sincerely,
Ensolum, LLC

Cole Burton
Project Manager

Daniel R. Moir, PG (licensed in WY & TX)
Associate Principal, Geologist

cc: Jim Raley, Devon
BLM

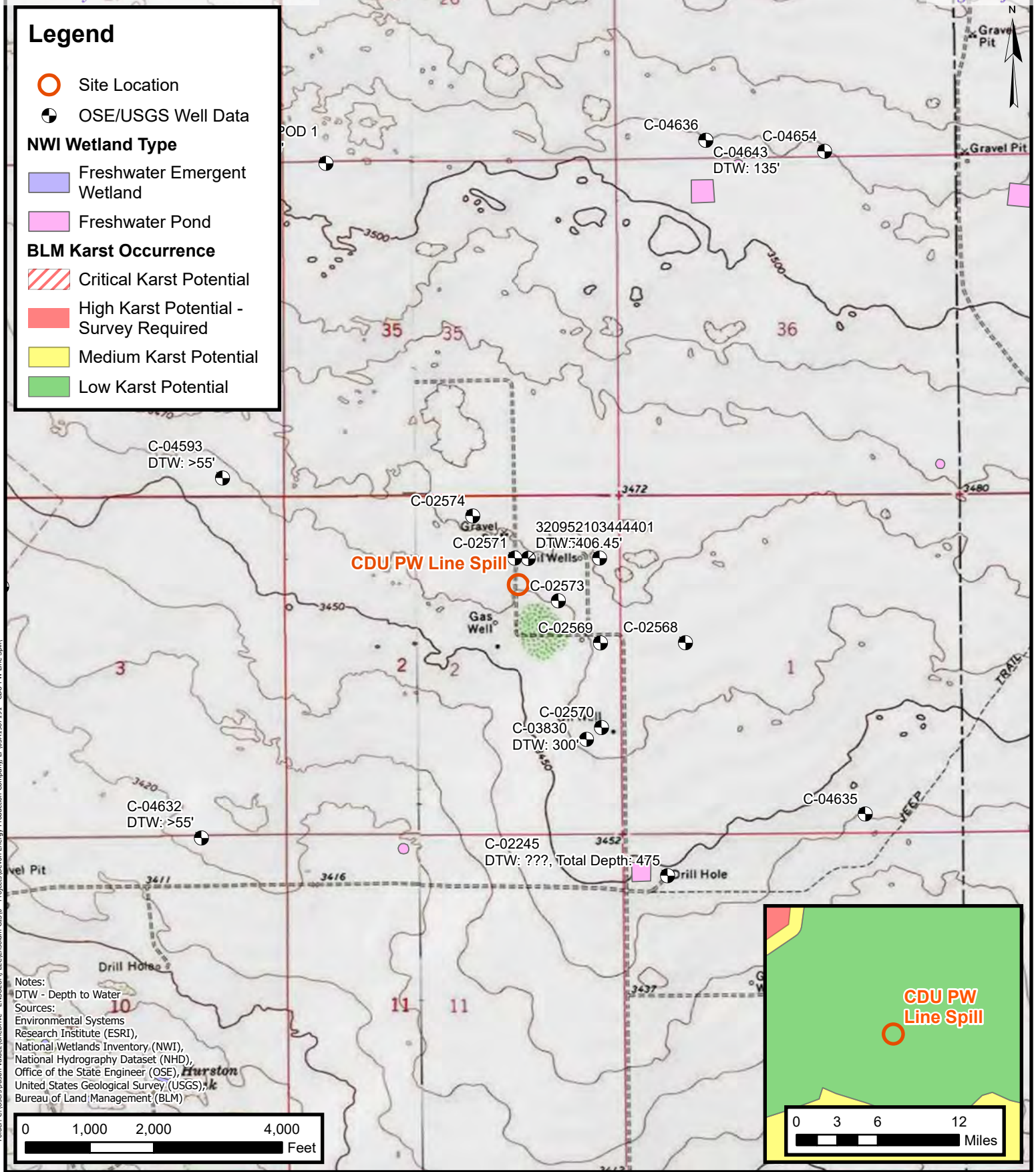
Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Proposed Excavation Extent
- Table 1 Soil Sample Analytical Results
- Appendix A Well Record and Log
- Appendix B Photographic Log
- Appendix C Environmental Desktop Review
- Appendix D Lithologic Soil Sampling Logs
- Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix F NMOCD Correspondence



FIGURES





Folder: C:\Users\Justin Velez\OneDrive - ENSOLUM, LLC\Documents\GIS\0 - Projects\Devon Energy Production Company, LP\03A1987191 - CDU PW Line Spill

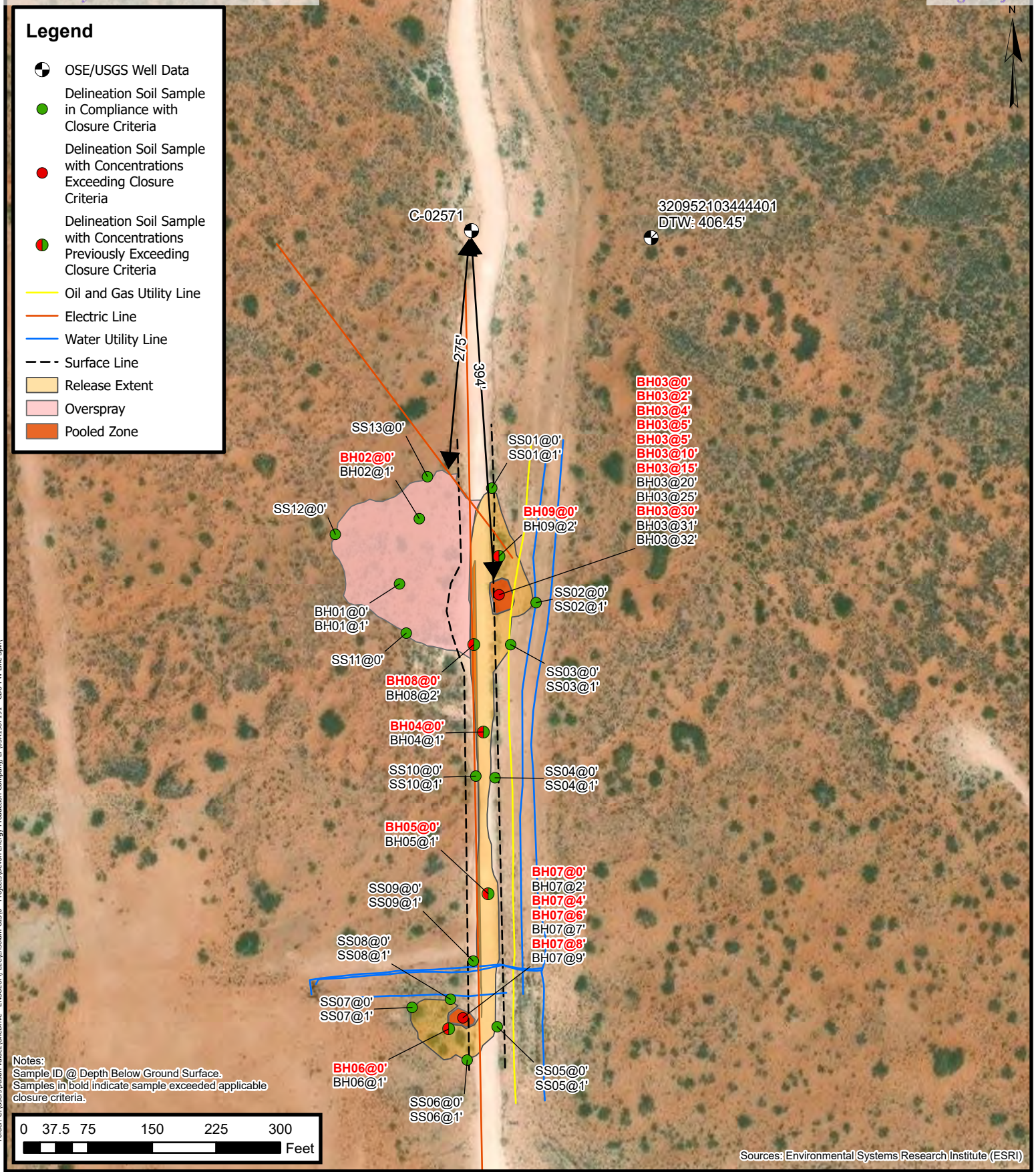


Site Receptor Map
 Devon Energy Production Company, LP
 CDU PW Line Spill
 Incident Number: nAPP2521931180
 Unit G, Section 02, T 25S, R 31E
 Eddy County, New Mexico

FIGURE
 1

Legend

- OSE/USGS Well Data
- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Electric Line
- Water Utility Line
- Surface Line
- Release Extent
- Overspray
- Pooled Zone



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

Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

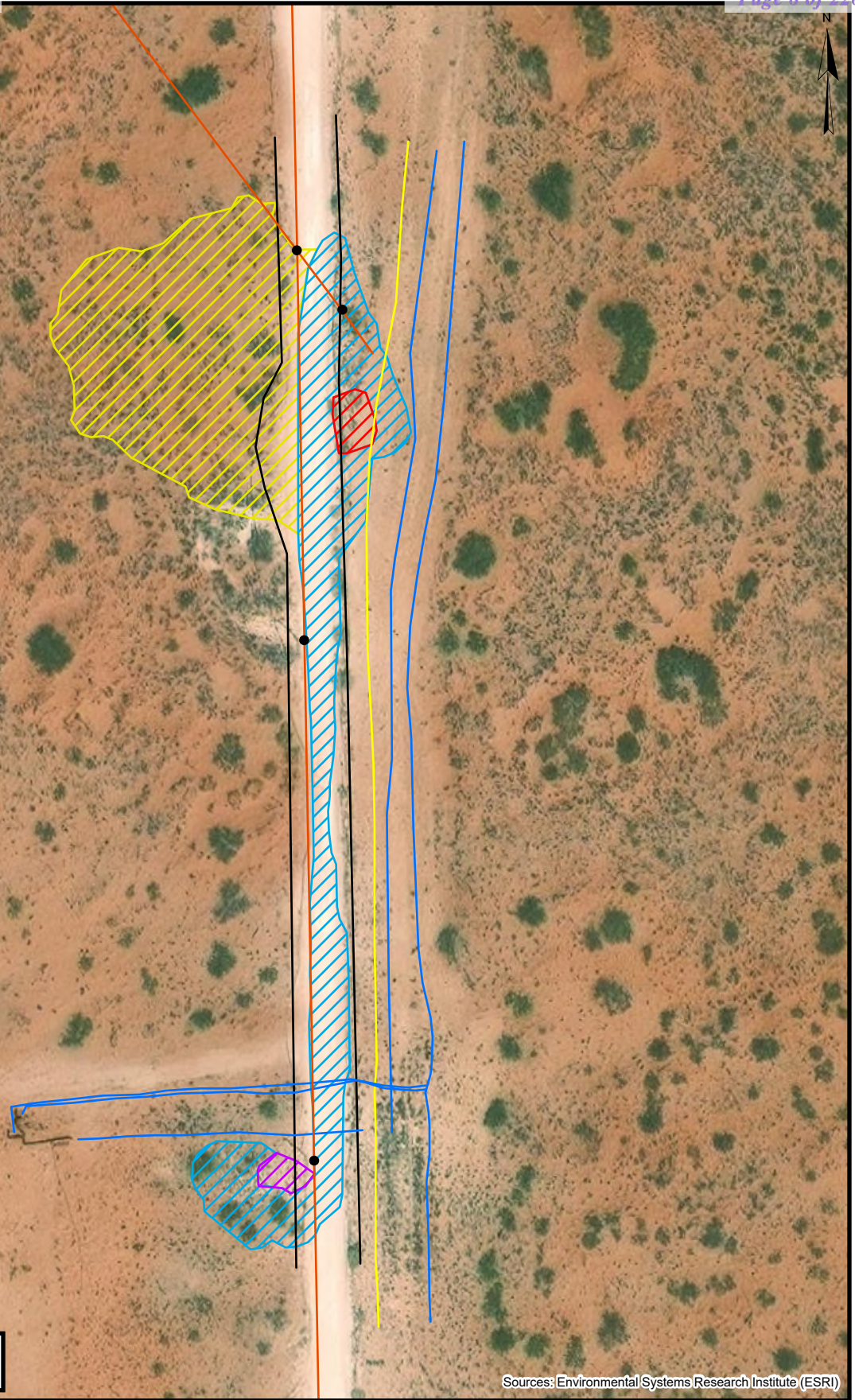
Devon Energy Production Company, LP
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FIGURE
 2



Legend

- Electric Poles
 - Oil and Gas Utility
 - Electric Cable
 - Water Utility
 - Polyline
 - ▨ Area 1: Area - 621 sq. ft.,
Depth - 9 feet bgs,
Volume - 207 cu. yards
 - ▨ Area 2: Area - 25,285 sq. ft.,
Depth - 0.5 feet bgs,
Volume - 468 cu. yards
 - ▨ Area 3: Area - 939 sq. ft.,
Depth - 15 feet bgs,
Volume - 522 cu. yards
 - ▨ Area 4: Area - 21,366 sq. ft.,
Depth - 2 feet bgs,
Volume - 1,583 cu. yards
- Total: Volume - 2,780 cu. yards
w/35% fluff added 3,753 cu. yards



Sources: Environmental Systems Research Institute (ESRI)

Proposed Excavation Extent

Devon Energy Production Company, LP

CDU PW Line Spill

Incident Number: nAPP2521931180

Unit G, Section 02, T 25S, R 31E

Eddy County, New Mexico

FIGURE

3





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 CDU PW Line Spill
 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.0
SS01	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.9
SS02	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
SS02	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	162
SS03	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.9
SS05	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.7
SS05	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
SS06	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.5
SS07	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.7
SS08	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.2
SS09	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.4
SS09	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.4
SS10	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	8/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.9
SS11	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS12	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102
SS13	8/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
BH01	8/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	376
BH01	8/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	8/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	836
BH02	8/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	8/25/2025	0	<0.0250	24.66	195	9,040	3,580	9,235	12,815	6,060
BH03	8/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	57.7	<25.0	57.7	5,130
BH03	8/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,920
BH03	8/25/2025	5	<0.0250	<0.0500	<20.0	949	533	949	1,482	12,600
BH03	10/9/2025	5	<0.0250	<0.0500	<20.0	45.1	<50.0	45.1	45	6,450
BH03	10/9/2025	10	<0.0250	<0.0500	<20.0	37.9	82.8	37.9	121	1,880
BH03	10/9/2025	15	<0.0250	<0.0500	<20.0	51.5	118	51.5	169.5	467
BH03	10/9/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	543
BH03	10/9/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	474
BH03	10/9/2025	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	838
BH03	10/9/2025	31	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	315
BH03	10/9/2025	32	<0.0250	<0.0500	<20.0	76.2	<50.0	76.2	76.2	105
BH04	8/26/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,310
BH04	8/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.2
BH05	8/26/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,200
BH05	8/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36
BH06	8/26/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,100
BH06	8/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07	9/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,940
BH07	9/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	247
BH07	9/9/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,540
BH07	9/9/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,570
BH07	10/23/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	574
BH07	10/23/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	876
BH07	10/23/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	462

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS CDU PW Line Spill 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
BH08	9/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,550
BH08	9/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
BH09	9/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,980
BH09	9/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56

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

Red text represents samples that exceed Closure Criteria

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Record and Log

File No.



NEW MEXICO OFFICE OF THE STATE ENGINEER



CHANGE OF OWNERSHIP OF WATER RIGHT (NON-72-12-1) FOR (check one):

Important: Acceptance of the form for filing by the State Engineer does not constitute verification of the right conveyed.

<input type="checkbox"/> Individual	<input checked="" type="checkbox"/> Corporation
-------------------------------------	---

1. OWNER OF RECORD (Seller)

2.33359

Name: Sahara Operating Company, via verious owners	Name:	
Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell	
Phone (Work):	Phone (Work):	
a. Owner of Record File No: C-2571	b. Sub-file No.:	c. Cause No.:

2. NEW OWNER (Buyer) Note: If more owners need to be listed, attach a separate sheet. Attached? Yes

Name: OXY USA Inc.	Name: Bureau of Land Management
Contact or Agent: <input checked="" type="checkbox"/> check here if Agent Jeremy Murphrey	Contact or Agent: <input type="checkbox"/> check here if Agent James Stovall
Mailing Address: 5 Greenway Plaza, suite 110	Mailing Address: 620 E. Green St.
City: Houston	City: Carlsbad
State: TX Zip Code: 77046	State: NM Zip Code: 88220
Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work): 713-350-4814	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work):
E-mail (optional):	E-mail (optional):

STATE ENGINEER OFFICE
 ROSWELL
 2018 JUL 16 10 2:10

Required: Submit warranty deed(s) or other instrument(s) of conveyance properly recorded with the county clerk's office.

3. PURPOSE OF USE & AMOUNT CONVEYED

<input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Other Uses (specify): _____	Amount of Water (acre-feet per annum): If more details are needed, type "See Comments" in "Other" field below, and explain in Additional Statements Section. Diversion: <u>3.0</u> Consumptive Use: <u>3.0</u> Other (include units): _____
Owner of record has conveyed all or part of said right (please check one) <input checked="" type="checkbox"/> All <input type="checkbox"/> Part	

FOR OSE INTERNAL USE

Change of Ownership, Form wr-02, Rev 8/30/12

File No.: C-2571	Trn. No.: 531574	Receipt No.:
Trans Desc. (optional):		Sub-Basin: C

4. LIST ALL KNOWN POINT(S) OF DIVERSION (POD) FOR THE WATER RIGHT CONVEYED

OSE POD No.	Subdivision / River Course / Ditch Name / Etc.	Section	Township	Range
C-2571	SE/4NW/4NE/4	02	25S	31E

5. PLACE(S) OF USE (list each individually)

a. _____ Acres of Irrigated Land Described as Follows (applicable to irrigation use only):

b. Legally Described By:	c.	d.	e.	f.	g.
<input type="checkbox"/> Public Land Survey System (PLSS) <input type="checkbox"/> Hydrographic Survey Report or Map <input type="checkbox"/> Irrigation or Conservation District Map <input type="checkbox"/> Subdivision PLSS Quarters or Halves, <u>and/or</u> Name of Hydrographic Survey or District, <u>and/or</u> Name and County of Subdivision	PLSS Section <u>and/or</u> Map No. <u>and/or</u> Lot No.	PLSS Township <u>and/or</u> Tract No. (Please list each tract individually) <u>and/or</u> Block No.	PLSS Range	Acres	Priority

h. Other description relating place of use to common landmarks, streets, or other:

i. Place of use is on land owned by: OXY/BLM

j. Are there other sources of water for these lands? No Yes If yes, describe by OSE file number:

Note: If on Federal or State Land, please provide copy of lease

6. ADDITIONAL STATEMENTS OR EXPLANATIONS

This is the Cotton Draw unit, surface lease # NMNM 070928X

STATE ENGINEER OFFICE
 RNSWFL
 2013 JUL 16 1 P 2: 10

FOR OSE INTERNAL USE		Change of Ownership, Form wr-02, Rev 8/30/12	
File No.: C-2571	Tm. No.: 531576	Receipt No.:	
Trans Desc. (optional):		Sub-Basin: C	

7. CONSENT TO LAWFUL CHANGE IN PLACE AND/OR PURPOSE OF USE

(to be completed only if it is an irrigation water right and has been conveyed separate from the land to which it was appurtenant.)

(I, We) the above owner(s) of record, hereby consent to a lawful change in the place and/or purpose of use of the above-described water right:

Signature

Stephen S. Flynn

Signature

ACKNOWLEDGEMENT FOR INDIVIDUAL

I, We (name of owner(s)), _____

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Signature

Signature

State of _____)

ss.

County of _____)

This instrument was acknowledged before me this _____ day of _____ A.D., 20 _____, by (name of owner(s)):

Notary Public:

My commission expires: _____

ACKNOWLEDGEMENT FOR CORPORATION

I, We (name of owner(s)), _____ DXY USA INC. _____

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Officer Signature

Officer Signature

State of TEXAS)

ss.

County of HARRIS)

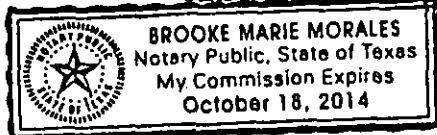
This instrument was acknowledged before me this 11th day of July A.D., 20 13, by the following on behalf of said corporation.

Name of Officer: Stephen S. Flynn

Title of Officer: Attorney in Fact

Name of Corporation Acknowledging: DXY USA INC.

State of Corporation: Delaware



Notary Public:

My commission expires: _____

Brooke Marie Morales
10/18/14

STATE ENGINEER OFFICE
ROSWELL
2013 JUL 16 1P 2:10

FOR OSE INTERNAL USE

Change of Ownership, Form wr-02, Rev 8/30/12

File No.: <u>C-2571</u>	Tm. No.: <u>531576</u>	Receipt No.:
Trans Desc. (optional):		Sub-Basin: <u>C</u>

203359

WATER/WELL LEASE AGREEMENT

This Agreement is effective as of the date of February 20, 2013 (the "Effective Date"). The agreement is by and between OXY USA Inc., (OXY), Lessor, with a mailing address of P. O. Box 27570, Houston, TX 77227-7570 and Gregory Rockhouse Ranch, Inc. (GRR), Lessee, a New Mexico Corporation with its principal place of business at 1108 W. Pierce Street, Carlsbad, New Mexico.

Whereas, GRR has advised OXY that OXY may have rights in the water wells in **SEO File No. C-02568, C-02569, C-02570, C-02571, C-02572, C-02573 and C-02574** (the "Wells"); and

Whereas GRR has advised OXY that OXY has the right to **Water Right File No C-02568, C-02569, C-02570, C-02571, C-02572, C-02573 and C-02574** located in Eddy County, New Mexico, described as follows: The West half of Section 1 and the East half of Section 2, Township 25 South, Range 31 East, Eddy County, New Mexico; and

Whereas, GRR is in the business of operating water wells, water stations, and or the leasing, buying or selling of water rights; and

Whereas, OXY is willing to enter into an agreement with GRR to lease its rights, if any, in the water wells and the water rights for commercial purposes.

Now Therefore, It is Mutually Agreed

1. **Leased Water-** OXY leases to GRR its rights, if any, in the Wells and the declared and or permitted right, if any, in SEO File No. -02568, C-02569, C-02570, C-02571, C-02572, C-02573 and C-02574, under the terms and conditions set forth herein This Lease covers thirty nine (39) feet for 2013 and annually thereafter during the Term of the Lease. The number of feet covered may change depending on the determination of OXY's rights by the Office of the State Engineer. OXY leases these rights with no warranty of title of any kind and "AS-IS, WHERE IS" with no guaranty that GRR will be able to utilize the wells in their present condition. The amount so leased is referred to herein as the "Leased Water".
2. **Term-** This Lease shall be effective on the Effective Date, and shall expire at midnight four (4) years from the Effective Date, subject to the option granted in Paragraph 3 below.
3. **Option for Renewal-** The Parties may agree to renew this Lease for an additional four (4) year term at a rate to be determined at the time of renewal.
4. **Maintenance-** GRR will, at its expense, conduct the necessary site preparation, provide the necessary tanks, pumps and mechanical and electrical equipment to equip and operate the Wells or any commercial station. In addition, GRR will supply all maintenance items and additional capital expenditures that are necessary for the safe and proper operation of the Wells. GRR will

STATE ENGINEER
ROSWELL
1 2013 JUN 15 10:22 AM

also pay for all operational expense including well testing, electricity, permitting cost and legal expenses.

- 5. **Notification/Annual Report-** If any maintenance needs to be performed on the well, GRR shall notify OXY in writing, so the work can be reviewed and approved by OXY. GRR shall keep monthly water meter readings and submit them monthly to OXY. OXY shall have access to the water meters. GRR will provide to OXY copies of all weekly and or monthly production reports, well files, including but not limited to well-bore schematics, operation updates and well history. GRR shall prepare and submit an Annual Groundwater Withdraw Report ("Annual Report") to OXY and the Office of the State Engineer for each calendar year for the term of this Lease. Beginning in 2013, GRR shall submit the Annual Report on or before January 30th of each year for the preceding calendar year. OXY shall have the right to audit the meter readings that GRR provides to the State.

- 6. **Rent-** GRR agrees to pay the price of _____ for the year of 2013. Thereafter GRR will pay OXY _____ per Well which is capable of producing a barrel of water a minute as well as _____ per acre foot on a quarterly basis for water rights currently associated with the Wells or additional rights obtained by GRR. The yearly well payment shall be tendered by January 1st of each year. The quarterly payments shall be tendered by January 1st, April 1st, July 1st and October 1st of each year for the duration of this Lease. A determination for the amount of additional water withdrawn will be made at a later date based upon the hydrology report to be submitted to OXY by GRR and the parties mutual agreement.

- 7. **No Warranty-** IT IS UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES TO THIS AGREEMENT THAT: 1) OXY GIVES NO WARRANTY OF TITLE TO ANY OF THE WELLS OR WATER RIGHTS AND NO GUARANTEE THAT GRR WILL BE ABLE TO UTILIZE THE WATER RIGHTS IN THEIR PRESENT CONDITION; THAT 2) OXY MAKES NO WARRANTY AS TO THE QUALITY OF THE WATER; AND THAT 3) OXY MAKES NO WARRANTY AS TO THE FITNESS OF THE WATER FOR A PARTICULAR PURPOSE.

- 8. **Facility Operations-** GRR shall operate the facility in a commercially reasonable and prudent manner.

- 9. **Compliance-** GRR shall comply with all laws and regulations applicable to the operation. If GRR fails to comply with the law or regulations. OXY will have the option to immediately terminate this Lease, as well as other remedies available by law.

- 10. **Liability Insurance-** During the term of this agreement, GRR shall purchase and maintain General Liability insurance in the amount of two million dollars covering the Wells and GRR's liabilities assumed under this Agreement. OXY and its affiliates shall be named as additional insureds.

STATE ENGINEER OFFICE
 RECEIVED
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11. **Indemnification-** GRR agrees to indemnify, defend and hold harmless OXY against all liability, loss and expense and against all claims and actions based upon or arising out of injury or death to persons or damage to property, caused by or arising from any actions or omissions of GRR, its successors, assigns, agents, or contractors arising out of or related to GRR's use of the property or operation of the Wells. In the event that GRR contracts for any work to be performed on the property, GRR shall require its contractors and subcontractors to indemnify, defend and hold harmless OXY, its employees and affiliates from any and all claims, damages and liabilities whatsoever for injury or death to persons or damage to property arising from or related to the contractors' and/or subcontractors' actions or omissions. GRR shall ensure that all contractors and subcontractors are required to abide by and follow the provisions of this agreement, including, without limitation, carrying the same insurance specified in Paragraph 10 above.

12. **Water Rights-** At all times the water rights found in SEO File No. C-02568, C-02569, C-02570, C-02571, C-02572, C-02573 and C-02574 shall remain in the name of OXY. GRR agrees that OXY's water rights will "proved up on by using the water beneficially" as required under NM water laws. As part of this Agreement, GRR will diligently make an effort to use sufficient water from said file in order to "prove up" the water rights to _____ feet for OXY's benefit, at which time the declared rights will become "licensed" or permitted water rights in OXY's name. GRR will at their expense, and to the best of their ability, acquire the required amount of commercial water rights and permits to operate the facility through the Leased Water and additional transferred water rights. GRR will also at its own expense take all legal and administrative actions needed to have the water rights declared valid. If GRR fails to acquire such water rights, then this Lease will terminate immediately.

13. **Termination-** Upon termination of this Lease, GRR at their own expense will remove all equipment off the facility with the exception of any permanent improvements (electrical, power lines, well bores, and similar improvements) and any equipment that OXY specifically requests be left on the property or any equipment required by law. OXY will be left with as good as or better than current equipment, and GRR will at OXY's request execute any documents required to completely release and relinquish any rights GRR or its successors and assigns may have in OXY's water rights and Wells pursuant to this Lease.

14. **Priority Usage of Water Right-** At all times during this Lease term OXY will have priority use of the water up to the amount allowed by the State Engineers Office. GRR will transport the water at their cost. GRR's pricing for transportation for the water used by OXY shall be competitive with other transporters in the area. GRR will honor existing agreements between OXY and ranchers whereby the local ranchers may use water for livestock.

15. **Modifications-** This Agreement is the entire understanding between the parties on the subject matter herein covered, and it may only be modified by a written document signed and agreed to by both parties.

STATE ENGINEERS OFFICE
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- 16. **Agreement-** This Agreement is binding upon the parties, their heirs, executors, administrators, assigns and successors in interest.
- 17. **Notices-** Any notice required or permitted to be given hereunder shall be in writing and shall be (a) personally delivered; or (b) delivered by first-class certified mail, return receipt requested, postage paid; or (c) delivered by a nationally-recognized overnight courier service; or (d) transmitted by facsimile to parties, as follows:

Lessor
 OXY USA Inc.
 Attention: Jeremy Murphrey
 P. O. Box 27570
 Houston, TX 77227-7570
 Telephone:
 Facsimile:
 E-mail:

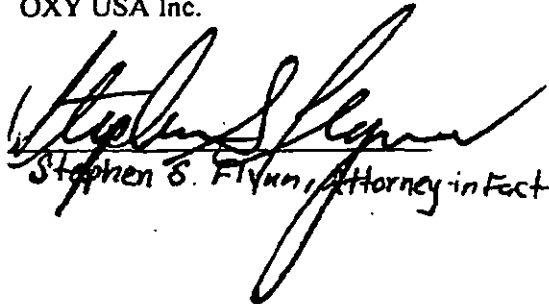
Lessee
 Gregory Rockhouse Ranch, Inc.
 Attention: Scott Gregory
 1108 W. Pierce
 Carlsbad, New Mexico 88220
 Telephone: 575-200-5516
 Facsimile: 575-941-2042
 E-mail: scott@Rockhousewater.com

All notices and other communications shall be deemed to have been received on (i) the date of receipt, if personally delivered; (ii) upon execution of the return receipt requested, if transmitted by first-class mail; (iii) the next business day after deposit with an overnight courier, and (iv) the next business day after the date of transmission with confirmation, if transmitted by facsimile. Any party may change its address by providing written notice to the other party as provided herein.

IN WITNESS WHEREOF, the undersigned have executed this Lease as of the date noted above.

Lessor

OXY USA Inc.


 Stephen S. Flynn, Attorney in Fact

Lessee

Gregory Rockhouse Ranch, Inc.

L. W. Gregory

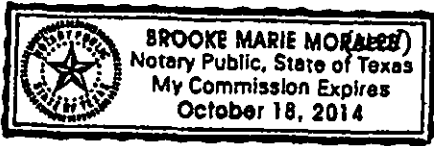
STATE ENGINEER OFFICE
 ROSWELL
 1 2013 JUL 16 1 P 2: 07

ACKNOWLEDGMENTS

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

This instrument was acknowledged before me on July 11th 2013, by
Stephen S. Flynn Attorney in Fact of OXY USA Inc., a Delaware Corporation.

Witness my hand and official seal.



Brooke Morale

Notary Public, State of Texas

STATE OF TEXAS §
 §
COUNTY OF §

This instrument was acknowledged before me on _____ 2013, by
_____, _____ of
Gregory Rockhouse Ranch, Inc.

STATE ENGINEER OFFICE
ROSWELL
2013 JUL 16 1P 2:07

Witness my hand and official seal.

(seal)

Notary Public, State of Texas

Scott A. Verhines, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 531576
File Nbr: C 02571

Aug. 02, 2013

JEREMY MURPHREY
OXY USA INC
5 GREENWAY PLAZA, SUITE 110
HOUSTON, TX 77046

Greetings:

Enclosed is one original copy of a Change of Ownership of a Water Right submitted to this office for filing. This Change of Ownership is accepted for filing in accordance with Section 72-1-2.1, NMSA 1978 (1996 Supp.), effective May 15, 1996. The acceptance by the State Engineer Office does not constitute validation of the right claimed.

According to Section 72-1-2.1, NMSA 1978 (1996 Supp.), you must record this Change of Ownership with the clerk of the county in which the water is located. The filing shall be public notice of the existence and contents of the instruments so recorded.

Sincerely, .

A handwritten signature in cursive script that reads "Tim Williams".

Tim Williams
(575) 622-6521

Enclosure



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) 1			OSE FILE NUMBER(S) C-3830		
	WELL OWNER NAME(S) ROCKHOUSE RANCH INC.			PHONE (OPTIONAL) 575-995-6920		
	WELL OWNER MAILING ADDRESS 1108 W PEARCE ST.			CITY CARLSBAD	STATE NM	ZIP 88220
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 09	SECONDS 22	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE 103	44	31	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE 1/4, NE 1/4, SE 1/4, SECTION 2, TOWNSHIP 25S, RANGE 31E						

2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1607		NAME OF LICENSED DRILLER LUIS A. (TONY) DURAN			NAME OF WELL DRILLING COMPANY DURAN DRILLING		
	DRILLING STARTED 1/28/15	DRILLING ENDED 2/02/15	DEPTH OF COMPLETED WELL (FT) 451	BORE HOLE DEPTH (FT) 450	DEPTH WATER FIRST ENCOUNTERED (FT) 300			
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		
	DRILLING FLUID: <input type="radio"/> AIR <input checked="" type="radio"/> MUD ADDITIVES - SPECIFY: DRILLING MUD							
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	220	12	STEEL	STEEL PERF	7	1/4	1/8
	220	450	12	STEEL PERF	STEEL	7	1/4	1/8

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	20	12	20 BGS 80 LBS CEMENT		MIXER
	20	450	12	22 YARDS 1/4" GRAVEL		

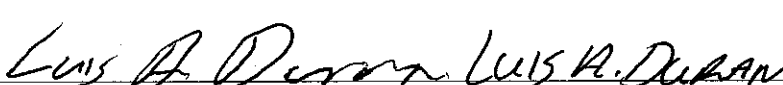
FOR OSE INTERNAL USE

FILE NUMBER C-3830 25S.31E.2.424	POD NUMBER 1	TRN NUMBER 560005 EXPL
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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	1	1	TOPSOIL	<input type="radio"/> Y <input checked="" type="radio"/> N	
	1	4	3	CALICHE	<input type="radio"/> Y <input checked="" type="radio"/> N	
	4	16	12	SAND	<input type="radio"/> Y <input checked="" type="radio"/> N	
	90	99	9	CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	
	99	190	91	SAND	<input type="radio"/> Y <input checked="" type="radio"/> N	
	190	250	60	BROWN CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	
	250	265	15	SAND	<input type="radio"/> Y <input checked="" type="radio"/> N	
	265	340	75	CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	
	340	348	8	SAND	<input type="radio"/> Y <input checked="" type="radio"/> N	
	348	378	30	GRAVEL	<input checked="" type="radio"/> Y <input type="radio"/> N	10
	378	384	6	CALY	<input type="radio"/> Y <input checked="" type="radio"/> N	
	384	448	64	SAND	<input checked="" type="radio"/> Y <input type="radio"/> N	5
	448	450	2	RED BED	<input type="radio"/> Y <input checked="" type="radio"/> N	
					<input type="radio"/> Y <input checked="" type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="radio"/> PUMP					TOTAL ESTIMATED WELL YIELD (gpm): 15	
<input type="radio"/> AIR LIFT <input checked="" type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: LUIS A. DURAN	

STATE ENGINEER
 FEB 23 AM 11:23
 23

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 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	2-02-15 DATE



FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	C-3830	POD NUMBER	1
	255.31E.2.4.2.4	TRN NUMBER	560005 EXPL



APPENDIX B

Photographic Log

Photographic Log
Devon Energy Production Company, LP
CDU PW Line Spill
nAPP2521931180

<p><u>Photograph</u> 1</p>	<p><u>Date</u> 8/6/2025</p>	 <p>South East ☉ 151°SE (T) • 32.16264, -103.745509 ±1m ▲ 1054m</p> <p><u>Description</u> Site Investigation</p> <p><u>View</u> Southeast</p> <p>Initial Ensolum LLC</p> <p>CDU Line 06 Aug 2025, 11:55:29 AM</p>
<p><u>Photograph</u> 2</p>	<p><u>Date</u> 8/6/2025</p>	 <p>SW W 210 240 270 300</p> <p>☉ 255°SW (T) • 32.16264, -103.745509 ±1m ▲ 1054m</p> <p><u>Description</u> Site Investigation</p> <p><u>View</u> West</p> <p>Initial Ensolum LLC</p> <p>CDU Line 06 Aug 2025, 11:59:39 AM</p>

Photographic Log
Devon Energy Production Company, LP
CDU PW Line Spill
nAPP2521931180

<p><u>Photograph</u> 3</p>	<p><u>Date</u> 8/6/2025</p>	
<p><u>Description</u> Site Investigation</p>		
<p><u>View</u> Southeast</p>		
<p><u>Photograph</u> 4</p>	<p><u>Date</u> 8/6/2025</p>	
<p><u>Description</u> Site Investigation</p>		
<p><u>View</u> North</p>		

Photographic Log
Devon Energy Production Company, LP
CDU PW Line Spill
nAPP2521931180

<p><u>Photograph</u> 5</p>	<p><u>Date</u> 8/8/2025</p>	
<p><u>Description</u> Delineation (SS01)</p>		
<p><u>View</u> West</p>		
<p><u>Photograph</u> 6</p>	<p><u>Date</u> 8/8/2025</p>	
<p><u>Description</u> Delineation (SS03)</p>		
<p><u>View</u> Southeast</p>		

Photographic Log
Devon Energy Production Company, LP
CDU PW Line Spill
nAPP2521931180

<p><u>Photograph</u> 7</p>	<p><u>Date</u> 8/8/2025</p>	
<p><u>Description</u> Delineation (SS07)</p>		
<p><u>View</u> Southwest</p>		<p>SS07 Ensolum LLC</p> <p>CDU PW Line 08 Aug 2025, 5:10:40 PM</p>
<p><u>Photograph</u> 8</p>	<p><u>Date</u> 8/8/2025</p>	
<p><u>Description</u> Delineation (SS13)</p>		
<p><u>View</u> Southeast</p>		<p>SS13 Ensolum LLC</p> <p>CDU PW Line 08 Aug 2025, 3:37:05 PM</p>





Photographic Log
 Devon Energy Production Company, LP
 CDU PW Line Spill
 nAPP2521931180

<p><u>Photograph</u> 9</p>	<p><u>Date</u> 8/25/2025</p>	
<p><u>Description</u> Delineation (BH01)</p>		
<p><u>View</u> South</p>		<p>BH01 Ensolum, LLC</p> <p align="right">CDU PW Line Spill 25 Aug 2025, 11:10:11 AM</p>
<p><u>Photograph</u> 10</p>	<p><u>Date</u> 8/25/2025</p>	
<p><u>Description</u> Delineation (BH02)</p>		
<p><u>View</u> Southwest</p>		<p>BH02 Ensolum, LLC</p> <p align="right">CDU PW Line Spill 25 Aug 2025, 11:16:33 AM</p>


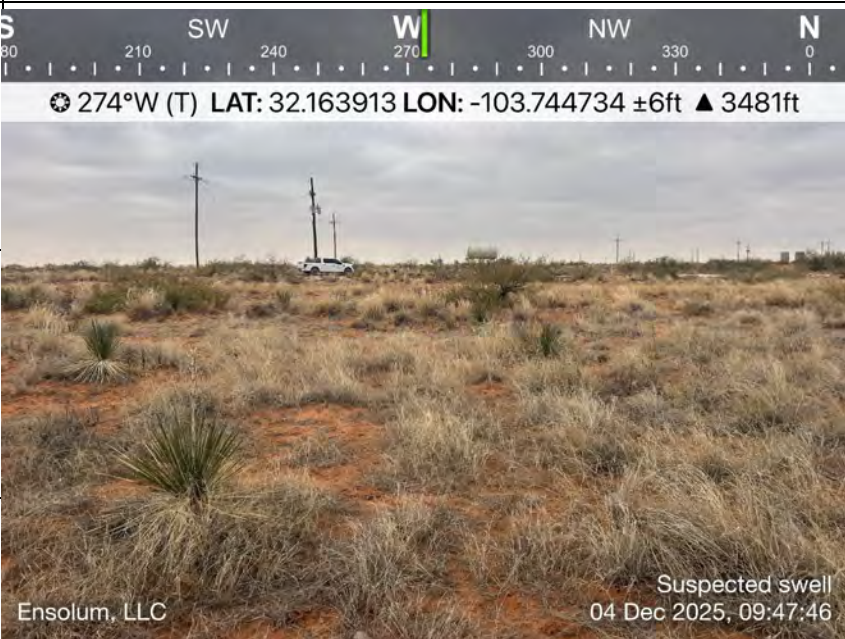
Photographic Log
Devon Energy Production Company, LP
CDU PW Line Spill
nAPP2521931180

<p><u>Photograph</u> 11</p>	<p><u>Date</u> 8/26/2025</p>	
<p><u>Description</u> Delineation (BH04)</p>		
<p><u>View</u> Southeast</p>		<p>BH04 Ensolum, LLC</p> <p>CDU PW Line Spill 26 Aug 2025, 1:45:47 PM</p>
<p><u>Photograph</u> 12</p>	<p><u>Date</u> 8/26/2025</p>	
<p><u>Description</u> Delineation (BH06)</p>		
<p><u>View</u> West</p>		<p>BH06 Ensolum, LLC</p> <p>CDU PW Line Spill 26 Aug 2025, 10:21:18 AM</p>

Photographic Log
 Devon Energy Production Company, LP
 CDU PW Line Spill
 nAPP2521931180

<p><u>Photograph</u> 13</p>	<p><u>Date</u> 9/9/2025</p>	<p align="center">North</p> <p align="center">☉ 4°N (T) LAT: 32.162576 LON: -103.745476 ±19ft ▲ 3469ft</p> 
<p align="center"><u>Description</u> Delineation (BH08)</p>		
<p align="center"><u>View</u> North</p>		<p>BH08 Ensolum, LLC</p> <p align="right">CDU PW Line Spill 09 Sep 2025, 09:57:52</p>
<p><u>Photograph</u> 14</p>	<p><u>Date</u> 10/9/2025</p>	<p align="center">West</p> <p align="center">☉ 271°W (T) LAT: 32.162770 LON: -103.745271 ±9ft ▲ 3481ft</p> 
<p align="center"><u>Description</u> Delineation (BH03)</p>		
<p align="center"><u>View</u> West</p>		<p>BH03 Ensolum, LLC</p> <p align="right">CDU PW Line Spill 09 Oct 2025, 15:34:28</p>

Photographic Log
 Devon Energy Production Company, LP
 CDU PW Line Spill
 nAPP2521931180

<p><u>Photograph</u> 15</p>	<p><u>Date</u> 10/23/2025</p>	 <p align="center">S 180 210 SW 240 W 270 227°SW (T) • 32.161408, -103.7455 ±3m ▲ 1027m</p> <p align="left">Coredrilling BH07 Ensolum, LLC</p> <p align="right">CDU PW Line Spill 23 Oct 2025, 11:13:31 AM</p>
<p><u>Description</u> Delineation (BH07)</p>		
<p><u>View</u> Southwest</p>		
<p><u>Photograph</u> 16</p>	<p><u>Date</u> 12/4/2025</p>	 <p align="center">S 180 SW 210 W 240 NW 270 N 300 330 0 274°W (T) LAT: 32.163913 LON: -103.744734 ±6ft ▲ 3481ft</p> <p align="left">Suspected well Ensolum, LLC</p> <p align="right">Suspected swell 04 Dec 2025, 09:47:46</p>
<p><u>Description</u> Suspected USGS well location</p>		
<p><u>View</u> West</p>		



APPENDIX C

Environmental Desktop Review



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To:
Project Code: 2025-0137121
Project Name: CDU PW Line Spill

08/18/2025 16:28:53 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

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Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- Bald & Golden Eagles
- Migratory Birds

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

Project code: 2025-0137121

08/18/2025 16:28:53 UTC

PROJECT SUMMARY

Project Code: 2025-0137121

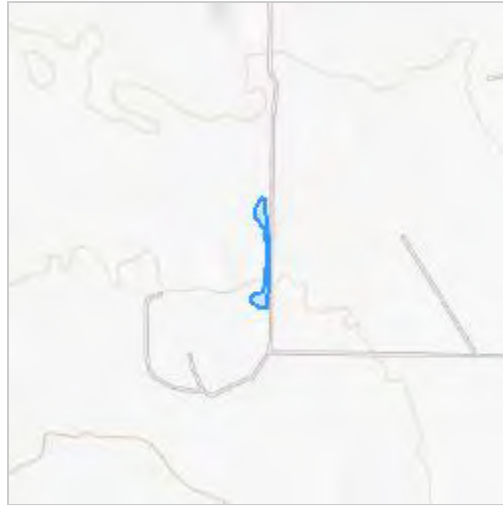
Project Name: CDU PW Line Spill

Project Type: Oil & Gas Well Maintenance

Project Description: A release of production material from oil and gas operations. The site is currently under remediation to clean the spill

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.1617444,-103.74548859857919,14z>



Counties: Eddy County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

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BIRDS

NAME	STATUS
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923 General project design guidelines: https://ipac.ecosphere.fws.gov/project/MMW6WRD4WRFWPMXHENIVRHKUUU/documents/generated/8928.pdf	Experimental Population, Non-Essential
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act (MBTA). Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The data in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the Supplemental Information on Migratory Birds and Eagles document to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.

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IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Trevor Hartwig
Address: 11049 West 44th Avenue
City: Wheat Ridge
State: CO
Zip: 80033
Email: thartwig@ensolum.com
Phone: 3038172989



PROJECT INFORMATION

Project Title: CDU PW Line Spill
Project Type: ENERGY DEVELOPMENT, OIL AND GAS TRANSMISSION (PIPELINE), OIL AND GAS PIPELINES, MAINTENANCE OR EXISTING AREAS
Latitude/Longitude (DMS): 32.161343 / -103.745506
County(s): EDDY
Project Description: This remediation project for a spill of oil and gas product in Eddy County, New Mexico. The project is currently being actively remediated at this time.

REQUESTOR INFORMATION

Project Organization:
Contact Name: Trevor Hartwig
Email Address: thartwig@ensolum.com
Organization: Ensolum, LLC
Address: 11049 West 44th Avenue, Wheat Ridge CO 80033
Phone: 3038172989

OVERALL STATUS

The information contained within this report comprises the recommendations of the New Mexico Department of Game and Fish (Department) for management and mitigation of proposed project impacts to wildlife and habitat resources; see the Project Recommendations section below for further details. No further consultation with the Department is required based on the project's location and, with implementation of mitigation measures described in the Project Recommendations section below, no adverse effects to wildlife or important habitats are anticipated. However, a Department biologist may be in touch within 30 days if they determine that further review is required.

About this report:

- This environmental review is based on the project description and location that was entered. The report must be updated if the project type, area, or operational components are modified.
- This is a preliminary environmental screening assessment and report. It is not a substitute for the potential wildlife knowledge gained by having a biologist conduct a field survey of the project area. Federal status and plant data are provided as a courtesy to users. The review is also not intended to replace consultation required under the federal Endangered Species Act (ESA), including impact analyses for federal resources from the U.S. Fish and Wildlife Service (USFWS) using their [Information for Planning and Consultation tool](#).
- This report contains information on wildlife species protected under the ESA and the [Wildlife Conservation Act \(WCA\)](#), [Species of Greatest Conservation Need \(SGCN\)](#), and Species of Economic and Recreational Importance (SERI). Species listed under the ESA are protected from take at the federal level and under the WCA are protected from take at the state level. SGCN are identified in the [State Wildlife Action Plan \(SWAP\) for New Mexico](#); all of these species are considered to be of conservation concern but not all of them are protected from take at the state or federal level. The harvest of all SERI is regulated at the state level. The Department has no authority to designate critical habitat for species listed under the WCA; only the USFWS can designate critical habitat for species listed under the ESA.
- The New Mexico Environmental Review Tool (ERT) utilizes species observation locations and species habitat suitability models, both of which are subject to ongoing change and refinement. Inclusion or omission of a species within a report cannot guarantee species presence or absence within your project area. To determine occurrence of any species listed in this report, or other wildlife that may be present within your project area, onsite surveys conducted by a qualified biologist during appropriate, species-specific survey timelines may be necessary.
- The Department encourages use of the ERT to modify proposed projects for avoidance, minimization, or mitigation of wildlife impacts. However, the ERT is not intended to be used in a repeatedly iterative fashion to adjust project attributes until a previously determined recommendation is generated. The ERT serves to assess impacts once project details are developed. The [New Mexico Crucial Habitat Assessment Tool](#), the data layers from which are included in the ERT, is the appropriate system for advising early-stage project planning and design to avoid areas of anticipated wildlife concerns and associated regulatory requirements.

CDU PW Line Spill



- | | | |
|------------------------------|----------------------------|---|
| Buffered Project Boundary | NM State Forestry Division | U.S. Army Corps of Engineers |
| Project_Boundary | NM State Parks | U.S. Bureau of Reclamation |
| Bureau of Land Management | National Park Service | U.S. Department of Agriculture |
| City Land | Other Federal Agency | U.S. Fish and Wildlife Service |
| County Land | Other Federal Agency | U.S. Forest Service |
| Department of Defense | State Land Office | U.S. Natural Resources Conservation Service |
| Department of Energy | State of New Mexico | |
| NM Department of Game & Fish | Tribal Land | |

NHNM, USGS, USFS, US Census Bureau, NMDGF
 Esri, NASA, NGA, USGS, FEMA
 Esri Community Maps Contributors, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Special Status Animal Species Potentially within 650 Meters of Project Area

Common Name	Scientific Name	USFWS (ESA)	NMDGF (WCA)	NMDGF SGCN/SERI	USFS	USFS SCC	BLM
Barking Frog	Craugastor augusti			SGCN			
Aplomado Falcon	Falco femoralis		E	SGCN			
Western Burrowing Owl	Athene cunicularia hypugaea			SGCN	Sensitive Species	USFS R3 SCC	BLM SENSITIVE
Common Nighthawk	Chordeiles minor			SGCN			
Sprague's Pipit	Anthus spragueii			SGCN			BLM SENSITIVE
Loggerhead Shrike	Lanius ludovicianus			SGCN		USFS R3 SCC	BLM WATCH
Bell's Vireo	Vireo bellii		T	SGCN			BLM SENSITIVE
Vesper Sparrow	Pooecetes gramineus			SGCN			
Thick-billed Longspur	Rhynchophanes mccownii			SGCN			BLM SENSITIVE
Black-Tailed Prairie Dog	Cynomys ludovicianus			SGCN	Sensitive Species		BLM SENSITIVE
Mule Deer	Odocoileus hemionus			SERI			
Pronghorn	Antilocapra americana			SERI			
Desert Massasauga	Sistrurus catenatus edwardsii			SGCN			

Common Name hyperlink takes you to species account in bison-m.org; Scientific Name hyperlink takes you to information in [NatureServe Explorer](#); ESA = Endangered Species Act, C = Candidate, LE = Listed Endangered, LT = Listed Threatened, XN = Non-essential Experimental Population, for other ESA codes see this [website](#); WCA = Wildlife Conservation Act, E = Endangered, T = Threatened; SERI = Species of Economic and Recreational Importance; SGCN = Species of Greatest Conservation Need; USFS = U.S. Forest Service, Sensitive Species = A species likely to occur on USFS lands that is of concern for a potential reduction in population viability; SCC = Species of Conservation Concern; BLM = Bureau of Land Management, BLM SENSITIVE = A species that occurs on BLM lands and whose viability is at risk, BLM WATCH = Species that may be added to the sensitive species list in future pending new information regarding species status.

Project Recommendations

Open trenches excavated for underground water or oil and gas pipelines, powerlines, or fiber optic communication lines can unintentionally entrap and cause the unnecessary mortality of amphibians, reptiles, and small mammals, and can cause injury to large mammals. Trapped animals can die from exposure, starvation, crushing from pipe-laying, entombment from trenching backfilling, drowning, and predation. This unnecessary wildlife mortality can be avoided by implementing conservation measures including: concurrent trenching, pipe-laying, and backfilling operations to minimize the amount of trench left open overnight or longer; construction escape ramps; and employing biological monitors to remove trapped animals. Periods of highest activity for amphibians and reptiles vulnerable to entrapment include summer months and wet weather, and they can be active both day and night. Small mammals subject to entrapment are active year-round and generally most active at night.

Implementing the general trenching conservation measures outlined in the Department's [Trenching Project Guidelines](#) will help minimize unnecessary mortality of wildlife. Best management practices should include, at minimum, the following mitigation measures.

- Whenever possible, locate trenching activities within previously disturbed areas, such as existing road or pipeline right-of-ways. To the extent possible, avoid trenching in undisturbed habitat.
- Trench during the cooler months (October – March).
- Utilize concurrent trenching, pipe- or cable-laying, and backfilling. Keep trenching, pipe- or cable-laying, and backfilling crews as close together as possible to minimize the amount of open trench at any given time. When trenching activities are temporarily halted (e.g., overnight, weekends, holidays, weather shutdowns), protect wildlife from accessing any open trench between digging and backfilling operations by using one or more of the methods described below.
- Avoid leaving trenches open overnight. When trenches cannot be backfilled immediately, escape ramps should be constructed at least every 90 meters and preferably 30 meters. Escape ramps can be constructed parallel or perpendicular to the existing trench. The escape ramp slope should be less than 45 degrees (1:1). If pipe or cable has been installed but backfilling has not occurred, escape ramps may need to be constructed on both sides of the trench, since, unless the pipe is elevated enough to allow animals to move underneath it, the pipe or cable may block access of amphibians, reptiles, and small mammals to the ramps if only constructed on one side.
- Trenches that have been left open overnight should be inspected the following day by a qualified biological monitor and trapped animals removed as soon as possible, especially where state- or federally-listed threatened or endangered amphibians, reptiles, or small mammals occur. Untrained personnel should not attempt to remove trapped wildlife because of the potential to injure animals and the possibility of injury from venomous snakes. Required tools for removal will include snake tongs for removing snakes and a dip net for capturing and removing amphibians and small mammals. Many animals trapped in a trench will burrow under loose soil. To the extent possible, the biological monitor should disturb loose soil in the trench to uncover and remove trapped animals. Animals should be relocated at least 50 meters away from the open trench in undisturbed habitat.
- When pipe has been laid in the trench, end caps should be placed on the open end(s) of the pipe to preclude animals from entering. Pipe staged outside the trench should be capped until placed in the trench or checked for wildlife before being placed into the trench.
- Most wildlife can be protected by constructing silt fence completely around the open trench. Silt fence should be supported from sagging by t-posts, rebar, or stakes and buried at the base to preclude animals from moving below the fence. If construction of a silt fence is a required best management practice for erosion control, then, to preclude the need for a biological monitor, escape ramps, and concurrent backfilling, the guidelines for silt fence installation and maintenance in the [Trenching Project Guidelines](#) should be followed.

Burrowing owl (*Athene cunicularia*) may occur within your project area. Burrowing owls are protected from take by the Migratory Bird Treaty Act and under New Mexico state statute. Before any ground disturbing activities occur, the Department recommends that a preliminary burrowing owl survey be conducted by a qualified biologist using the Department's [Burrowing Owl Survey Protocol](#). Should burrowing owls be documented in the project area, please contact the Department or USFWS for further recommendations regarding relocation or avoidance of impacts.

Prairie dog colonies may occur within the vicinity of your project area. Both black-tailed prairie dogs (*Cynomys ludovicianus*) and Gunnison's prairie dogs (*Cynomys gunnisoni*) are designated as New Mexico SGCN, and their colonies provide important habitat for other grassland wildlife. Wherever possible, occupied prairie dog colonies should be left undisturbed, and all project activities should be directed off the colony. Any burrows that are located on the project site should be surveyed by a qualified biologist to determine whether burrows are active or inactive and whether burrowing owls may be utilizing the site. Colonies within the range of the black-tailed prairie dog can be surveyed by a qualified biologist diurnally, year-round using binoculars. Colonies within the range of the Gunnison's prairie dog can be surveyed by a qualified biologist diurnally, using binoculars during the warmer months from April through October and by searching for fairly fresh scat and lack of cobwebs or debris at the mouths of burrows during the cold months (November through March). If ground-disturbing activities cannot be relocated off the prairie dog colony, or if project activities involve control of prairie dogs, the Department recommends live-trapping and relocation of prairie dogs. The Department can provide recommendations regarding suitability of potential translocation areas and procedures.

Disclaimers regarding recommendations:

- The Department provides technical guidance to support the persistence of all protected species of native fish and wildlife, including game and nongame wildlife species. Species listed within this report include those that have been documented to occur within the project area, and others that may not have been documented but are projected to occur within the project vicinity.
- Recommendations are provided by the Department under the authority of § 17-1-5.1 New Mexico Statutes Annotated 1978, to provide "communication and consultation with federal and other state agencies, local governments and communities, private organizations and affected interests responsible for habitat, wilderness, recreation, water quality and environmental protection to ensure comprehensive conservation services for hunters, anglers and nonconsumptive wildlife users".
- The Department has no authority for management of plants or Important Plant Areas. The [New Mexico Endangered Plant Program](#), under the Energy, Minerals, and Natural Resources Department's Forestry Division, identifies and develops conservation measures necessary to ensure the survival of plant species within New Mexico. Plant status information is provided within this report as a courtesy to users. Recommendations provided within the ERT may not be sufficient to preclude impacts to rare or sensitive plants, unless conservation measures are identified in coordination with the Endangered Plant Program.
- Additional coordination and/or consultation may also be necessary under the federal ESA or National Environmental Policy Act (NEPA). Further site-specific mitigation recommendations may be proposed during ESA consultation and/or NEPA analyses or through coordination with affected federal agencies.



A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

CDU PW Line Spill



August 19, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

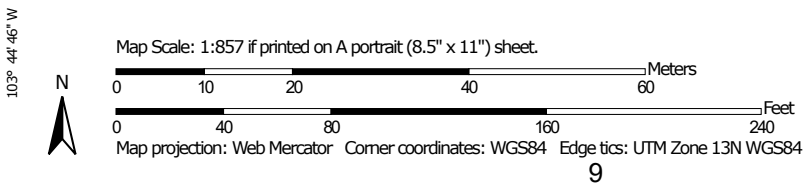
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Soil Map may not be valid at this scale.



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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
 Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	0.4	100.0%
Totals for Area of Interest		0.4	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Eddy Area, New Mexico**BB—Berino complex, 0 to 3 percent slopes, eroded****Map Unit Setting**

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino**Setting**

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
 (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

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Description of Pajarito**Setting**

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components**Pajarito**

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

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APPENDIX D


Lithologic Soil Sampling Logs


					Sample Name: BH01		Date: 8/25/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.162786 -103.745745					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	722		N	BH01	0	0	SM	Dry, not stained, Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
D	<156	3	N	BH01	1	1		
Total Depth @ 1 foot bgs.								


					Sample Name: BH02		Date: 8/25/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.162995 -103.745667					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1,400		N	BH02	0	0	SM	Dry, not stained, Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
D	<156	2	N	BH02	1	1		
Total Depth @ 1 foot bgs.								


					Sample Name: BH03		Date: 8/25, 10/9/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Hand Auger/Drill	
Coordinates: 32.162747 -103.745369					Hole Diameter: 3"		Total Depth: 5'	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH03	0	0		
D	6,423		N	BH03	1	1		
M	6,423		N	BH03	2	2		
M	5,913		N	BH03	3	3		
M	5,913		N	BH03	4	4		
M	15,411		N	BH03	5	5		
D	<3,512		N	BH03	10	10	SM	Silt w/sand tan/light brown, poorly graded, med gravel, fine sand, nonplastic, non cohesive
D	711		N	BH03	15	15		
D	2,553		N	BH03	17	17		
D	1,445		N	BH03	20	20		
D	935		N	BH03	25	25		
D	1,719		N	BH03	26	26		
D	1,293		N	BH03	28	28		


					Sample Name: BH03		Date: 8/25, 10/9/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Hand Auger/Drill	
Coordinates: 32.162747 -103.745369					Hole Diameter: 3"		Total Depth: 5'	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1,293		N	BH03	29	29		Silt w/sand tan/light brown, poorly graded, med gravel, fine sand, nonplastic, non cohesive
D	397		N	BH03	31	31	SM	
D	168		N	BH03	32	32		
Total Depth @ 32 feet bgs								


					Sample Name: BH04		Date: 8/26/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.162307, -103.745433					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH04	0	0	CCHE	Dry, Stained, White Caliche with small gravel, fine to medium grained, non-cohesive, non-plasticity
D	<173		N	BH04	1	1	SM	Dry, not stained, Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
Total Depth @ 1 foot bgs								

					Sample Name: BH05		Date: 8/26/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.161787, -103.745423					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH05	0	0	CCHE	Dry, Stained, White Caliche with small gravel, fine to medium grained, non-cohesive, non-plasticity
D	<173	17	N	BH05	1	1	SM	Dry, not stained, Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
Total Depth @ 1 foot bgs.								

		Sample Name: BH06		Date: 8/26/2025				
		Site Name: CDU PW Line Spill						
		Incident Number: nAPP2521931180						
		Job Number: 03A1987191						
LITHOLOGIC / SOIL SAMPLING LOG				Logged By: Jenna Hinkle		Method: Hand Auger		
Coordinates: 32.161353, -103.745578				Hole Diameter: 3"		Total Depth: 1'		
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	18,116		N	BH06	0	0	SM	Dry, not stained, Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
D	<173	19	N	BH06	1	1		
Total Depth @ 1 foot bgs.								

					Sample Name: BH07		Date: 9/9 & 10/23/26	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Abou and Eric		Method: Hand auger/Drill	
Coordinates: 32.1613885, -103.7455244					Hole Diameter: 3"		Total Depth: 9'	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH07	0	0	SM	Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
D	>3,460		N		1	1		
D	537		N	BH07	2	2		
D	1,898		N		3	3		
D	2,469		N	BH07	4	4		
D	1,657		N		5	5		
D	2,312		N	BH07	6	6		
D	918		N	BH07	7	7		
D	700		N	BH07	8	8		
D	319		N	BH07	9	9		
Total Depth @ 9 feet bgs.								

					Sample Name: BH08		Date: 9/9/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Eric Pugge		Method: Hand Auger	
Coordinates: 32.1625877, -103.7454660					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
Y			Y	BH08	0	0		Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
N	890		N		1	1	SM	
N	<169	9	N	BH08	2	2		
Total Depth @ 2 feet bgs.								

					Sample Name: BH09		Date: 9/9/2025	
					Site Name: CDU PW Line Spill			
					Incident Number: nAPP2521931180			
					Job Number: 03A1987191			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Eric Pugge		Method: Hand Auger	
Coordinates: 32.1628721, -103.7453667					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
Y			Y	BH09	0	0		Light Brown sand, fine to medium grained, non-cohesive, non-plasticity
N	739		N		1	1	SM	
N	<169	10	N	BH09	2	2		
Total Depth @ 2 feet bgs.								



APPENDIX E

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: CDU PW Line Spill

Work Order: E508112

Job Number: 01058-0007

Received: 8/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/15/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 8/15/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: CDU PW Line Spill
Workorder: E508112
Date Received: 8/12/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2025 7:30:00AM, under the Project Name: CDU PW Line Spill.

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

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

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

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

Respectfully,

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

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

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 08/15/25 17:29
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E508112-01A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS02-1'	E508112-02A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/15/2025 5:29:11PM
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SS02-0'

E508112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2533042
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2533042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2533032
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	08/12/25	08/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2533046
Chloride	123	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/15/2025 5:29:11PM
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SS02-1'

E508112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2533042
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2533042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2533032
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/12/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	08/12/25	08/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2533046
Chloride	ND	20.0	1	08/12/25	08/12/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/15/2025 5:29:11PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533042-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.3	70-130			

LCS (2533042-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	3.98	0.0250	5.00		79.6	70-130			
Ethylbenzene	3.94	0.0250	5.00		78.8	70-130			
Toluene	3.97	0.0250	5.00		79.4	70-130			
o-Xylene	4.01	0.0250	5.00		80.1	70-130			
p,m-Xylene	8.04	0.0500	10.0		80.4	70-130			
Total Xylenes	12.0	0.0250	15.0		80.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.1	70-130			

Matrix Spike (2533042-MS1)

Source: E508113-06

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	4.57	0.0250	5.00	ND	91.3	70-130			
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	70-130			
Toluene	4.55	0.0250	5.00	ND	90.9	70-130			
o-Xylene	4.54	0.0250	5.00	ND	90.9	70-130			
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	70-130			
Total Xylenes	13.7	0.0250	15.0	ND	91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.3	70-130			

Matrix Spike Dup (2533042-MSD1)

Source: E508113-06

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	4.18	0.0250	5.00	ND	83.6	70-130	8.79	27	
Ethylbenzene	4.12	0.0250	5.00	ND	82.5	70-130	9.04	26	
Toluene	4.16	0.0250	5.00	ND	83.2	70-130	8.89	20	
o-Xylene	4.22	0.0250	5.00	ND	84.4	70-130	7.35	25	
p,m-Xylene	8.43	0.0500	10.0	ND	84.3	70-130	8.64	23	
Total Xylenes	12.7	0.0250	15.0	ND	84.3	70-130	8.21	26	
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		99.9	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/15/2025 5:29:11PM
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Nonhalogenated Organics by EPA 8015D - GRO

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 (2533042-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.11		8.00		114	70-130			

LCS (2533042-BS2)

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.04		8.00		113	70-130			

Matrix Spike (2533042-MS2)

Source: E508113-06

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.68		8.00		109	70-130			

Matrix Spike Dup (2533042-MSD2)

Source: E508113-06

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	3.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.88		8.00		111	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/15/2025 5:29:11PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533032-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	58.2		50.0		116	61-141			

LCS (2533032-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	306	25.0	250		122	66-144			
Surrogate: <i>n</i> -Nonane	58.5		50.0		117	61-141			

Matrix Spike (2533032-MS1)

Source: E508111-02

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	316	25.0	250	ND	127	56-156			
Surrogate: <i>n</i> -Nonane	60.3		50.0		121	61-141			

Matrix Spike Dup (2533032-MSD1)

Source: E508111-02

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	56-156	5.43	20	
Surrogate: <i>n</i> -Nonane	57.8		50.0		116	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/15/2025 5:29:11PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533046-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride ND 20.0

LCS (2533046-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2533046-MS1)

Source: E508115-04

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride 284 20.0 250 25.5 104 80-120

Matrix Spike Dup (2533046-MSD1)

Source: E508115-04

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride 285 20.0 250 25.5 104 80-120 0.184 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:	CDU PW Line Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/15/25 17:29

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

Released to Imaging: 3/17/2026 9:26:20 AM

Received by OCD: 1/30/2026 8:47:24 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO# E508112		Job Number 0058-0057		1D	2D	3D	Std	NM	CO	UT	TX
Project: CDU PW Line Spill				Address: 5315 Buena Vista Dr															
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/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	PWSID #		
11:32	8/8/2025	S	1	SS02-0'		1						X						Y	or	N	
11:36	8/8/2025	S	1	SS02-1'		2						X						Y	or	N	

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: _Aboubakar Kone

Relinquished by: (Signature)	Date 8/11/25	Time 7:11	Received by: (Signature) Michelle Gonzales	Date 8-11-25	Time 0711	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. Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N Lab Use Only T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature) Michelle Gonzales	Date 8-11-25	Time 1400	Received by: (Signature) Marlissa Gonzales	Date 8-11-25	Time 1400	
Relinquished by: (Signature) Marlissa Gonzales	Date 8-11-25	Time 1730	Received by: (Signature) Andrew Musso	Date 8-11-25	Time 1730	
Relinquished by: (Signature) Andrew Musso	Date 8-11-25	Time 2145	Received by: (Signature) Caitlin Mar	Date 8-11-25	Time 1730	

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

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.

Page 12 of 13

Page 90 of 98



Envirotech Analytical Laboratory

Printed: 8/12/2025 10:30:05AM

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:	08/12/25 07:30	Work Order ID:	E508112
Phone:	(505) 382-1211	Date Logged In:	08/11/25 14:46	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/18/25 07:00 (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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: CDU PW Line Spill

Work Order: E508118

Job Number: 01058-0007

Received: 8/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/18/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 8/18/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: CDU PW Line Spill
Workorder: E508118
Date Received: 8/12/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2025 7:30:00AM, under the Project Name: CDU PW Line Spill.

The analytical test results summarized in this report with the Project Name: CDU PW Line Spill 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
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Sample Summary

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

Project Name: CDU PW Line Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
08/18/25 11:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E508118-01A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS01-1'	E508118-02A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS03-0'	E508118-03A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS03-1'	E508118-04A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS04-0'	E508118-05A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS04-1'	E508118-06A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS05-0'	E508118-07A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS05-1'	E508118-08A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS06-0'	E508118-09A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS06-1'	E508118-10A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS07-0'	E508118-11A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS07-1'	E508118-12A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS08-0'	E508118-13A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS08-1'	E508118-14A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS09-0'	E508118-15A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS09-1'	E508118-16A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS10-0'	E508118-17A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS10-1'	E508118-18A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS11-0'	E508118-19A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS12-0'	E508118-20A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.
SS13-0'	E508118-21A	Soil	08/08/25	08/12/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS01-0'

E508118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2533056
Chloride	75.0	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS01-1'

E508118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	66.9	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS03-0'

E508118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	162	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS03-1'

E508118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	ND	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS04-0'

E508118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	ND	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS04-1'

E508118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	64.9	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS05-0'

E508118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	36.7	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS05-1'

E508118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	118	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS06-0'

E508118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	ND	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS06-1'

E508118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	21.5	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS07-0'

E508118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.4 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	ND	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS07-1'

E508118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.5 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	24.7	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS08-0'

E508118-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	ND	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS08-1'

E508118-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/14/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	08/12/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	23.2	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS09-0'

E508118-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/13/25	
Toluene	ND	0.0250	1	08/12/25	08/13/25	
o-Xylene	ND	0.0250	1	08/12/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/14/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	08/12/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	62.4	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS09-1'

E508118-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/13/25	
Toluene	ND	0.0250	1	08/12/25	08/13/25	
o-Xylene	ND	0.0250	1	08/12/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.9 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/14/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/12/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	84.4	20.0	1	08/12/25	08/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS10-0'

E508118-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/13/25	
Toluene	ND	0.0250	1	08/12/25	08/13/25	
o-Xylene	ND	0.0250	1	08/12/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.9 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/14/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	08/12/25	08/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	ND	20.0	1	08/12/25	08/13/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS10-1'

E508118-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/13/25	
Toluene	ND	0.0250	1	08/12/25	08/13/25	
o-Xylene	ND	0.0250	1	08/12/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.0 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/14/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	08/12/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	33.9	20.0	1	08/12/25	08/13/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS11-0'

E508118-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/13/25	
Toluene	ND	0.0250	1	08/12/25	08/13/25	
o-Xylene	ND	0.0250	1	08/12/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/14/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	08/12/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	ND	20.0	1	08/12/25	08/13/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS12-0'

E508118-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Benzene	ND	0.0250	1	08/12/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/13/25	
Toluene	ND	0.0250	1	08/12/25	08/13/25	
o-Xylene	ND	0.0250	1	08/12/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533050
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	08/12/25	08/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/14/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/12/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2533056
Chloride	102	20.0	1	08/12/25	08/13/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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SS13-0'

E508118-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533048
Benzene	ND	0.0250	1	08/12/25	08/12/25	
Ethylbenzene	ND	0.0250	1	08/12/25	08/12/25	
Toluene	ND	0.0250	1	08/12/25	08/12/25	
o-Xylene	ND	0.0250	1	08/12/25	08/12/25	
p,m-Xylene	ND	0.0500	1	08/12/25	08/12/25	
Total Xylenes	ND	0.0250	1	08/12/25	08/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/25	08/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	08/12/25	08/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/25	08/13/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	08/12/25	08/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2533054
Chloride	ND	20.0	1	08/12/25	08/13/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533048-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.23		8.00		90.4	70-130			

LCS (2533048-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	5.67	0.0250	5.00		113	70-130			
Ethylbenzene	5.46	0.0250	5.00		109	70-130			
Toluene	5.60	0.0250	5.00		112	70-130			
o-Xylene	5.34	0.0250	5.00		107	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			

Matrix Spike (2533048-MS1)

Source: E508116-04

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	5.67	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.45	0.0250	5.00	ND	109	70-130			
Toluene	5.59	0.0250	5.00	ND	112	70-130			
o-Xylene	5.33	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.6	70-130			

Matrix Spike Dup (2533048-MSD1)

Source: E508116-04

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	5.81	0.0250	5.00	ND	116	70-130	2.44	27	
Ethylbenzene	5.58	0.0250	5.00	ND	112	70-130	2.45	26	
Toluene	5.73	0.0250	5.00	ND	115	70-130	2.38	20	
o-Xylene	5.46	0.0250	5.00	ND	109	70-130	2.43	25	
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130	2.62	23	
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130	2.56	26	
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.1	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533050-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

LCS (2533050-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.5	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	4.98	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.93	0.0500	10.0		99.3	70-130			
Total Xylenes	14.9	0.0250	15.0		99.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike (2533050-MS1)

Source: E508118-06

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	5.45	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.37	0.0250	5.00	ND	107	70-130			
o-Xylene	5.33	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.6	70-130			

Matrix Spike Dup (2533050-MSD1)

Source: E508118-06

Prepared: 08/12/25 Analyzed: 08/12/25

Benzene	5.30	0.0250	5.00	ND	106	70-130	2.76	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	2.84	26	
Toluene	5.24	0.0250	5.00	ND	105	70-130	2.48	20	
o-Xylene	5.20	0.0250	5.00	ND	104	70-130	2.52	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	2.94	23	
Total Xylenes	15.5	0.0250	15.0	ND	104	70-130	2.80	26	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533048-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.1	70-130			

LCS (2533048-BS2)

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike (2533048-MS2)

Source: E508116-04

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			

Matrix Spike Dup (2533048-MSD2)

Source: E508116-04

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130	2.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533050-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

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

LCS (2533050-BS2)

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

Matrix Spike (2533050-MS2)

Source: E508118-06

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			

Matrix Spike Dup (2533050-MSD2)

Source: E508118-06

Prepared: 08/12/25 Analyzed: 08/12/25

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	2.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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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 (2533033-BLK1)

Prepared: 08/12/25 Analyzed: 08/13/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.3		50.0		105	61-141			

LCS (2533033-BS1)

Prepared: 08/12/25 Analyzed: 08/13/25

Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: <i>n</i> -Nonane	52.4		50.0		105	61-141			

Matrix Spike (2533033-MS1)

Source: E508118-03

Prepared: 08/12/25 Analyzed: 08/13/25

Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156			
Surrogate: <i>n</i> -Nonane	51.8		50.0		104	61-141			

Matrix Spike Dup (2533033-MSD1)

Source: E508118-03

Prepared: 08/12/25 Analyzed: 08/13/25

Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	56-156	7.80	20	
Surrogate: <i>n</i> -Nonane	56.9		50.0		114	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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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 (2533040-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.0		50.0		97.9	61-141			

LCS (2533040-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: <i>n</i> -Nonane	50.5		50.0		101	61-141			

Matrix Spike (2533040-MS1)

Source: E508117-10

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: <i>n</i> -Nonane	53.7		50.0		107	61-141			

Matrix Spike Dup (2533040-MSD1)

Source: E508117-10

Prepared: 08/12/25 Analyzed: 08/12/25

Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	56-156	4.60	20	
Surrogate: <i>n</i> -Nonane	55.7		50.0		111	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533054-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride ND 20.0

LCS (2533054-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride 257 20.0 250 103 90-110

Matrix Spike (2533054-MS1)

Source: E508114-03

Prepared: 08/12/25 Analyzed: 08/13/25

Chloride 6150 100 250 6070 34.1 80-120 M4

Matrix Spike Dup (2533054-MSD1)

Source: E508114-03

Prepared: 08/12/25 Analyzed: 08/13/25

Chloride 5990 100 250 6070 NR 80-120 2.73 20 M4



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/18/2025 11:24:12AM
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Anions by EPA 300.0/9056A

Analyst: IY

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 (2533056-BLK1)

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride ND 20.0

LCS (2533056-BS1)

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2533056-MS1)

Source: E508118-08

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride 381 20.0 250 118 105 80-120

Matrix Spike Dup (2533056-MSD1)

Source: E508118-08

Prepared: 08/12/25 Analyzed: 08/12/25

Chloride 378 20.0 250 118 104 80-120 0.688 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:	CDU PW Line Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/18/25 11:24

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Released to Imaging: 3/17/2026 9:26:20 AM

Received by OCD: 1/30/2026 8:47:24 AM

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Project: CDU PW Line Spill Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com	Company: Devon Energy Address: 5315 Buena Vista Dr City, State, Zip: Carlsbad NM, 88220 Phone: (575)689-7597 Email: jim.raley@dvn.com Miscellaneous: Jim Raley	Lab WO# <u>E528118</u> Job Number <u>01058.0007</u>	1D 2D 3D Std X	NM CO UT TX X

Sample Information							Analysis and Method								EPA Program			Remarks
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	
10:46	8/8/2025	S	1	SS01-0'		1						X						1.8
10:50	8/8/2025	S	1	SS01-1'		2						X						1.8
11:03	8/8/2025	S	1	SS03-0'		3						X						2.1
11:06	8/8/2025	S	1	SS03-1'		4						X						2.0
11:41	8/8/2025	S	1	SS04-0'		5						X						2.6
11:43	8/8/2025	S	1	SS04-1'		6						X						2.4
11:47	8/8/2025	S	1	SS05-0'		7						X						3.0
11:48	8/8/2025	S	1	SS05-1'		8						X						3.0
14:25	8/8/2025	S	1	SS06-0'		9						X						1.6
14:27	8/8/2025	S	1	SS06-1'		10						X						1.8

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: Aboubakar Kone

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/11/25</u>	Time <u>7:11</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>8.11.25</u>	Time <u>6:11</u>	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 _____
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>8.11.25</u>	Time <u>1400</u>	Received by: (Signature) <u>Marissa Gonzales</u>	Date <u>8.11.25</u>	Time <u>1400</u>	
Relinquished by: (Signature) <u>Marissa Gonzales</u>	Date <u>8.11.25</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>8.11.25</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>8.11.25</u>	Time <u>2:45</u>	Received by: (Signature) <u>Keith Man</u>	Date <u>8.12.25</u>	Time <u>7:30</u>	

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.

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Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: CDU PW Line Spill				Address: 5315 Buena Vista Dr				E508118		N058-0007					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information					Analysis and Method										EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCOC 1.005 TX	RCRA 8 Metals	SDWA	CWA	RCRA			
					Field	Filter							Compliance	Y	or	N		
14:21	8/8/2025	S	1	SS07-0'						X						3.0		
14:23	8/8/2025	S	1	SS07-1'						X						2.4		
14:16	8/8/2025	S	1	SS08-0'						X						2.1		
14:18	8/8/2025	S	1	SS08-1'						X						2.8		
14:12	8/8/2025	S	1	SS09-0'						X						3.0		
14:14	8/8/2025	S	1	SS09-1'						X						3.2		
14:06	8/8/2025	S	1	SS10-0'						X						2.4		
14:08	8/8/2025	S	1	SS10-1'						X						2.6		
15:26	8/8/2025	S	1	SS11-0'						X						2.0		
15:32	8/8/2025	S	1	SS12-0'						X						2.4		

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: Aboubakar Kone

Relinquished by: (Signature) <i>[Signature]</i>	Date 8/11/25	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 8/11/25	Time 0711
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 8/11/25	Time 1400	Received by: (Signature) <i>Marissa Gonzales</i>	Date 8/11/25	Time 1400
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 8/11/25	Time 1730	Received by: (Signature) <i>Andrew Musso</i>	Date 8/11/25	Time 1730
Relinquished by: (Signature) <i>Andrew Musso</i>	Date 8/11/25	Time 2145	Received by: (Signature) <i>Caith Man</i>	Date 8/12/25	Time 730

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

Lab Use Only
Received on ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

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.

Released to Imaging: 3/17/2026 9:26:20 AM

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Received by: OCD: 1/30/2026 8:47:24 AM

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Chain of Custody

Released to Imaging: 3/17/2026 9:26:20 AM

Received by OCD: 1/30/2026 8:47:24 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: CDU PW Line Spill				Address: 5315 Buena Vista Dr				E508118		010580007					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
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			
15:35	8/8/2025	S	1	SS13-0'		21						X						3.1			

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: Aboubakar Kone

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. Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	8/11/25	7:11	Michelle Gonzales	8-11-25	0711	
Michelle Gonzales	8-11-25	1400	Marissa Gonzales	8-11-25	1400	
Marissa Gonzales	8-11-25	1730	Andrew Musso	8-11-25	1730	
Andrew Musso	8-11-25	2145	Caitie Ma	8-12-25	730	

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.

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Envirotech Analytical Laboratory

Printed: 8/12/2025 10:40:43AM

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:	08/12/25 07:30	Work Order ID:	E508118
Phone:	(505) 382-1211	Date Logged In:	08/11/25 15:10	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/18/25 07:00 (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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: CDU PW Line Spill

Work Order: E508287

Job Number: 01058-0007

Received: 8/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 8/28/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: CDU PW Line Spill
Workorder: E508287
Date Received: 8/27/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/27/2025 7:00:00AM, under the Project Name: CDU PW Line Spill.

The analytical test results summarized in this report with the Project Name: CDU PW Line Spill 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

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 08/28/25 15:37
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E508287-01A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.
BH01-1'	E508287-02A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.
BH02-0'	E508287-03A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.
BH02-1'	E508287-04A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.
BH03-0'	E508287-05A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.
BH03-2'	E508287-06A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.
BH03-4'	E508287-07A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.
BH03-5'	E508287-08A	Soil	08/25/25	08/27/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH01-0'
E508287-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2535052	
Benzene	ND	0.0250	1	08/27/25	08/27/25	
Ethylbenzene	ND	0.0250	1	08/27/25	08/27/25	
Toluene	ND	0.0250	1	08/27/25	08/27/25	
o-Xylene	ND	0.0250	1	08/27/25	08/27/25	
p,m-Xylene	ND	0.0500	1	08/27/25	08/27/25	
Total Xylenes	ND	0.0250	1	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2535052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2535046	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2535058	
Chloride	376	20.0	1	08/27/25	08/27/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH01-1'
E508287-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Benzene	ND	0.0250	1	08/27/25	08/27/25	
Ethylbenzene	ND	0.0250	1	08/27/25	08/27/25	
Toluene	ND	0.0250	1	08/27/25	08/27/25	
o-Xylene	ND	0.0250	1	08/27/25	08/27/25	
p,m-Xylene	ND	0.0500	1	08/27/25	08/27/25	
Total Xylenes	ND	0.0250	1	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2535046
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535058
Chloride	ND	20.0	1	08/27/25	08/27/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH02-0'
E508287-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Benzene	ND	0.0250	1	08/27/25	08/27/25	
Ethylbenzene	ND	0.0250	1	08/27/25	08/27/25	
Toluene	ND	0.0250	1	08/27/25	08/27/25	
o-Xylene	ND	0.0250	1	08/27/25	08/27/25	
p,m-Xylene	ND	0.0500	1	08/27/25	08/27/25	
Total Xylenes	ND	0.0250	1	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2535046
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535058
Chloride	836	20.0	1	08/27/25	08/27/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH02-1'
E508287-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Benzene	ND	0.0250	1	08/27/25	08/27/25	
Ethylbenzene	ND	0.0250	1	08/27/25	08/27/25	
Toluene	ND	0.0250	1	08/27/25	08/27/25	
o-Xylene	ND	0.0250	1	08/27/25	08/27/25	
p,m-Xylene	ND	0.0500	1	08/27/25	08/27/25	
Total Xylenes	ND	0.0250	1	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2535046
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535058
Chloride	ND	20.0	1	08/27/25	08/27/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH03-0'
E508287-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Benzene	ND	0.125	5	08/27/25	08/27/25	
Ethylbenzene	1.73	0.125	5	08/27/25	08/27/25	
Toluene	0.320	0.125	5	08/27/25	08/27/25	
o-Xylene	3.47	0.125	5	08/27/25	08/27/25	
p,m-Xylene	7.84	0.250	5	08/27/25	08/27/25	
Total Xylenes	11.3	0.125	5	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		113 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Gasoline Range Organics (C6-C10)	195	100	5	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2535046
Diesel Range Organics (C10-C28)	9040	50.0	2	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	3580	100	2	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		87.2 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535058
Chloride	6060	100	5	08/27/25	08/27/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH03-2'

E508287-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Benzene	ND	0.0250	1	08/27/25	08/27/25	
Ethylbenzene	ND	0.0250	1	08/27/25	08/27/25	
Toluene	ND	0.0250	1	08/27/25	08/27/25	
o-Xylene	ND	0.0250	1	08/27/25	08/27/25	
p,m-Xylene	ND	0.0500	1	08/27/25	08/27/25	
Total Xylenes	ND	0.0250	1	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2535046
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	57.7	50.0	1	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535058
Chloride	5130	40.0	2	08/27/25	08/27/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH03-4'
E508287-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Benzene	ND	0.0250	1	08/27/25	08/27/25	
Ethylbenzene	ND	0.0250	1	08/27/25	08/27/25	
Toluene	ND	0.0250	1	08/27/25	08/27/25	
o-Xylene	ND	0.0250	1	08/27/25	08/27/25	
p,m-Xylene	ND	0.0500	1	08/27/25	08/27/25	
Total Xylenes	ND	0.0250	1	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.2 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2535046
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535058
Chloride	6920	100	5	08/27/25	08/27/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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BH03-5'
E508287-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Benzene	ND	0.0250	1	08/27/25	08/27/25	
Ethylbenzene	ND	0.0250	1	08/27/25	08/27/25	
Toluene	ND	0.0250	1	08/27/25	08/27/25	
o-Xylene	ND	0.0250	1	08/27/25	08/27/25	
p,m-Xylene	ND	0.0500	1	08/27/25	08/27/25	
Total Xylenes	ND	0.0250	1	08/27/25	08/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/25	08/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	08/27/25	08/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2535046
Diesel Range Organics (C10-C28)	949	50.0	2	08/27/25	08/27/25	
Oil Range Organics (C28-C36)	533	100	2	08/27/25	08/27/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	08/27/25	08/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535058
Chloride	12600	200	10	08/27/25	08/27/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535052-BLK1)

Prepared: 08/27/25 Analyzed: 08/27/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			

LCS (2535052-BS1)

Prepared: 08/27/25 Analyzed: 08/27/25

Benzene	5.68	0.0250	5.00		114	70-130			
Ethylbenzene	5.49	0.0250	5.00		110	70-130			
Toluene	5.62	0.0250	5.00		112	70-130			
o-Xylene	5.40	0.0250	5.00		108	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

Matrix Spike (2535052-MS1)

Source: E508287-07

Prepared: 08/27/25 Analyzed: 08/27/25

Benzene	5.66	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.49	0.0250	5.00	ND	110	70-130			
Toluene	5.61	0.0250	5.00	ND	112	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

Matrix Spike Dup (2535052-MSD1)

Source: E508287-07

Prepared: 08/27/25 Analyzed: 08/27/25

Benzene	5.87	0.0250	5.00	ND	117	70-130	3.68	27	
Ethylbenzene	5.68	0.0250	5.00	ND	114	70-130	3.47	26	
Toluene	5.81	0.0250	5.00	ND	116	70-130	3.48	20	
o-Xylene	5.58	0.0250	5.00	ND	112	70-130	3.36	25	
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130	3.24	23	
Total Xylenes	17.0	0.0250	15.0	ND	113	70-130	3.28	26	
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.2	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535052-BLK1)

Prepared: 08/27/25 Analyzed: 08/27/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

LCS (2535052-BS2)

Prepared: 08/27/25 Analyzed: 08/27/25

Gasoline Range Organics (C6-C10)	56.4	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			

Matrix Spike (2535052-MS2)

Source: E508287-07

Prepared: 08/27/25 Analyzed: 08/27/25

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike Dup (2535052-MSD2)

Source: E508287-07

Prepared: 08/27/25 Analyzed: 08/27/25

Gasoline Range Organics (C6-C10)	59.4	20.0	50.0	ND	119	70-130	3.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535046-BLK1)

Prepared: 08/27/25 Analyzed: 08/27/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	61-141			

LCS (2535046-BS1)

Prepared: 08/27/25 Analyzed: 08/27/25

Diesel Range Organics (C10-C28)	306	25.0	250		122	66-144			
Surrogate: n-Nonane	58.0		50.0		116	61-141			

Matrix Spike (2535046-MS1)

Source: E508285-01

Prepared: 08/27/25 Analyzed: 08/27/25

Diesel Range Organics (C10-C28)	336	25.0	250	ND	134	56-156			
Surrogate: n-Nonane	62.4		50.0		125	61-141			

Matrix Spike Dup (2535046-MSD1)

Source: E508285-01

Prepared: 08/27/25 Analyzed: 08/27/25

Diesel Range Organics (C10-C28)	322	25.0	250	ND	129	56-156	4.25	20	
Surrogate: n-Nonane	60.0		50.0		120	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/28/2025 3:37:03PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535058-BLK1)

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	ND	20.0							
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LCS (2535058-BS1)

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2535058-MS1)

Source: E508287-03

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	1370	20.0	250	836	214	80-120			M4
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Matrix Spike Dup (2535058-MSD1)

Source: E508287-03

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	2050	20.0	250	836	487	80-120	39.8	20	M4, R3
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 08/28/25 15:37
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX				
Project: CDU PW Line Spill				Address: 5315 Buena Vista Dr				E508287		010580007			X			X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: (575)689-7597																			
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA					
																Compliance	Y	or	N				
																PWSID #							
																Sample Temp			Remarks				
1106	8/25/2025	Soil	1	B401-0'		1								+		1.8							
110A				01-1'		2								+		1.9							
1112				02-0'		3								+		1.0							
1116				02-1'		4								+		2.7							
1250				03-0'		5								+		2.9							
1302				03-2'		6								+		3.7							
1326				03-4'		7								+		1.7							
1347				03-5'		8								+		3.0							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Jenna Hinkle																							
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: O/N											
<i>Jenna Hinkle</i>				8/26/2025	7:00	<i>Michelle Gonzales</i>				8-26-25	0700												
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time												
<i>Michelle Gonzales</i>				8-26-25	1530	<i>Marissa Gonzales</i>				8-26-25	1530												
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time												
<i>Marissa Gonzales</i>				8-26-25	1930	<i>Andrew Musso</i>				8-26-25	1930												
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time												
<i>Andrew Musso</i>				8-26-25	2400	<i>Caitlynn</i>				8-27-25	700												
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: 8/27/2025 9:34:19AM

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:	08/27/25 07:00	Work Order ID:	E508287
Phone:	(505) 382-1211	Date Logged In:	08/26/25 15:30	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/28/25 07:00 (1 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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: CDU PW Line Spill

Work Order: E508306

Job Number: 01058-0007

Received: 8/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/29/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/29/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: CDU PW Line Spill
Workorder: E508306
Date Received: 8/28/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2025 7:00:00AM, under the Project Name: CDU PW Line Spill.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 08/29/25 11:37
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 - 0'	E508306-01A	Soil	08/26/25	08/28/25	Glass Jar, 2 oz.
BH04 - 1'	E508306-02A	Soil	08/26/25	08/28/25	Glass Jar, 2 oz.
BH05 - 0'	E508306-03A	Soil	08/26/25	08/28/25	Glass Jar, 2 oz.
BH05 - 1'	E508306-04A	Soil	08/26/25	08/28/25	Glass Jar, 2 oz.
BH06 - 0'	E508306-05A	Soil	08/26/25	08/28/25	Glass Jar, 2 oz.
BH06 - 1'	E508306-06A	Soil	08/26/25	08/28/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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BH04 - 0'
E508306-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Benzene	ND	0.0250	1	08/28/25	08/29/25	
Ethylbenzene	ND	0.0250	1	08/28/25	08/29/25	
Toluene	ND	0.0250	1	08/28/25	08/29/25	
o-Xylene	ND	0.0250	1	08/28/25	08/29/25	
p,m-Xylene	ND	0.0500	1	08/28/25	08/29/25	
Total Xylenes	ND	0.0250	1	08/28/25	08/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/25	08/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.3 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2535089
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/29/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	08/27/25	08/29/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535073
Chloride	3310	40.0	2	08/27/25	08/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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BH04 - 1'

E508306-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Benzene	ND	0.0250	1	08/28/25	08/29/25	
Ethylbenzene	ND	0.0250	1	08/28/25	08/29/25	
Toluene	ND	0.0250	1	08/28/25	08/29/25	
o-Xylene	ND	0.0250	1	08/28/25	08/29/25	
p,m-Xylene	ND	0.0500	1	08/28/25	08/29/25	
Total Xylenes	ND	0.0250	1	08/28/25	08/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/25	08/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.2 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2535089
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/29/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	08/27/25	08/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535073
Chloride	74.2	20.0	1	08/27/25	08/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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BH05 - 0'

E508306-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Benzene	ND	0.0250	1	08/28/25	08/29/25	
Ethylbenzene	ND	0.0250	1	08/28/25	08/29/25	
Toluene	ND	0.0250	1	08/28/25	08/29/25	
o-Xylene	ND	0.0250	1	08/28/25	08/29/25	
p,m-Xylene	ND	0.0500	1	08/28/25	08/29/25	
Total Xylenes	ND	0.0250	1	08/28/25	08/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/25	08/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.2 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2535089
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/29/25	
<i>Surrogate: n-Nonane</i>		99.1 %	61-141	08/27/25	08/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535073
Chloride	17200	400	20	08/27/25	08/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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BH05 - 1'

E508306-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Benzene	ND	0.0250	1	08/28/25	08/29/25	
Ethylbenzene	ND	0.0250	1	08/28/25	08/29/25	
Toluene	ND	0.0250	1	08/28/25	08/29/25	
o-Xylene	ND	0.0250	1	08/28/25	08/29/25	
p,m-Xylene	ND	0.0500	1	08/28/25	08/29/25	
Total Xylenes	ND	0.0250	1	08/28/25	08/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/25	08/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.6 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2535089
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/29/25	
<i>Surrogate: n-Nonane</i>		97.2 %	61-141	08/27/25	08/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535073
Chloride	36.4	20.0	1	08/27/25	08/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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BH06 - 0'

E508306-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Benzene	ND	0.0250	1	08/28/25	08/29/25	
Ethylbenzene	ND	0.0250	1	08/28/25	08/29/25	
Toluene	ND	0.0250	1	08/28/25	08/29/25	
o-Xylene	ND	0.0250	1	08/28/25	08/29/25	
p,m-Xylene	ND	0.0500	1	08/28/25	08/29/25	
Total Xylenes	ND	0.0250	1	08/28/25	08/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/25	08/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2535089
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/29/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	08/27/25	08/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535073
Chloride	13100	200	10	08/27/25	08/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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BH06 - 1'

E508306-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Benzene	ND	0.0250	1	08/28/25	08/29/25	
Ethylbenzene	ND	0.0250	1	08/28/25	08/29/25	
Toluene	ND	0.0250	1	08/28/25	08/29/25	
o-Xylene	ND	0.0250	1	08/28/25	08/29/25	
p,m-Xylene	ND	0.0500	1	08/28/25	08/29/25	
Total Xylenes	ND	0.0250	1	08/28/25	08/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2535097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/25	08/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.0 %	70-130	08/28/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2535089
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/25	08/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/25	08/29/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	08/27/25	08/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2535073
Chloride	ND	20.0	1	08/27/25	08/28/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535097-BLK1)

Prepared: 08/28/25 Analyzed: 08/28/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

LCS (2535097-BS1)

Prepared: 08/28/25 Analyzed: 08/29/25

Benzene	5.51	0.0250	5.00		110	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Toluene	5.44	0.0250	5.00		109	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			

Matrix Spike (2535097-MS1)

Source: E508306-05

Prepared: 08/28/25 Analyzed: 08/29/25

Benzene	5.36	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.17	0.0250	5.00	ND	103	70-130			
Toluene	5.29	0.0250	5.00	ND	106	70-130			
o-Xylene	5.07	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike Dup (2535097-MSD1)

Source: E508306-05

Prepared: 08/28/25 Analyzed: 08/29/25

Benzene	5.34	0.0250	5.00	ND	107	70-130	0.387	27	
Ethylbenzene	5.15	0.0250	5.00	ND	103	70-130	0.493	26	
Toluene	5.27	0.0250	5.00	ND	105	70-130	0.527	20	
o-Xylene	5.03	0.0250	5.00	ND	101	70-130	0.847	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	0.491	23	
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130	0.608	26	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535097-BLK1)

Prepared: 08/28/25 Analyzed: 08/28/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			

LCS (2535097-BS2)

Prepared: 08/28/25 Analyzed: 08/29/25

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			

Matrix Spike (2535097-MS2)

Source: E508306-05

Prepared: 08/28/25 Analyzed: 08/29/25

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			

Matrix Spike Dup (2535097-MSD2)

Source: E508306-05

Prepared: 08/28/25 Analyzed: 08/29/25

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	2.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535089-BLK1)

Prepared: 08/27/25 Analyzed: 08/28/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.4		50.0		107	61-141			

LCS (2535089-BS1)

Prepared: 08/27/25 Analyzed: 08/28/25

Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144			
Surrogate: n-Nonane	48.9		50.0		97.8	61-141			

Matrix Spike (2535089-MS1)

Source: E508295-04

Prepared: 08/27/25 Analyzed: 08/28/25

Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	51.9		50.0		104	61-141			

Matrix Spike Dup (2535089-MSD1)

Source: E508295-04

Prepared: 08/27/25 Analyzed: 08/28/25

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156	1.81	20	
Surrogate: n-Nonane	51.3		50.0		103	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/29/2025 11:37:24AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2535073-BLK1)

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	ND	20.0							
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LCS (2535073-BS1)

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	250	20.0	250		100	90-110			
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Matrix Spike (2535073-MS1)

Source: E508292-03

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	850	20.0	250	596	102	80-120			
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Matrix Spike Dup (2535073-MSD1)

Source: E508292-03

Prepared: 08/27/25 Analyzed: 08/27/25

Chloride	838	20.0	250	596	96.8	80-120	1.47	20	
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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:	CDU PW Line Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/29/25 11:37

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: CDU PW Line Spill				Address: 5315 Buena Vista Dr				E508306		01058-0007			X			X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCOQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #	Remarks			
1257	8/27/25	Soil	1	BH04-0'		1								+						
1315				04-1'		2								+						
1031				05-0'		3								+						
1043				05-1'		4								+						
0947				06-0'		5								+						
0951				06-1'		6								+						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com
 I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
 Sampled by: Jenna Hinkle

Relinquished by: (Signature) <i>Jenna Hinkle</i>	Date 8/27/25	Time 7:00	Received by: (Signature) <i>Michelle Gonzales</i>	Date 8-27-25	Time 0700	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 8-27-25	Time 1645	Received by: (Signature) <i>Marissa Gonzales</i>	Date 8-27-25	Time 1645	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 8-27-25	Time 1910	Received by: (Signature) <i>Andreul Musso</i>	Date 8-27-25	Time 1910	
Relinquished by: (Signature) <i>Andreul Musso</i>	Date 8-27-25	Time 2400	Received by: (Signature) <i>Noe Soto</i>	Date 8-28-25	Time 0700	
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: 8/28/2025 9:18:41AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad Date Received: 08/28/25 07:00 Work Order ID: E508306
Phone: (505) 382-1211 Date Logged In: 08/27/25 15:02 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 08/29/25 07:00 (1 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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for 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: CDU PW Line Spill

Work Order: E509112

Job Number: 01058-0007

Received: 9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/16/25



Ashley Giovengo
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: CDU PW Line Spill
Workorder: E509112
Date Received: 9/10/2025 11:00:41PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 11:00:41PM, under the Project Name: CDU PW Line Spill.

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

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 09/16/25 16:21
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07-0'	E509112-01A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
BH07-2'	E509112-02A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
BH07-4'	E509112-03A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
BH07-6'	E509112-04A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
BH08-0'	E509112-05A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
BH08-2'	E509112-06A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
BH09-0'	E509112-07A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
BH09-2'	E509112-08A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH07-0'

E509112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/15/25	
<i>Surrogate: n-Nonane</i>						
		95.2 %	61-141	09/11/25	09/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	1940	40.0	2	09/11/25	09/11/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH07-2'

E509112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		126 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
<i>Surrogate: n-Nonane</i>		99.7 %	61-141	09/11/25	09/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	247	20.0	1	09/11/25	09/11/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH07-4'
E509112-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		126 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	09/11/25	09/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	2540	20.0	1	09/11/25	09/11/25	

Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH07-6'
E509112-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		126 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	09/11/25	09/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	2570	40.0	2	09/11/25	09/11/25	

Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH08-0'
E509112-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		126 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.6 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	09/11/25	09/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	9550	200	10	09/11/25	09/11/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH08-2'
E509112-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		125 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	09/11/25	09/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	103	20.0	1	09/11/25	09/11/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH09-0'

E509112-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		125 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.4 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	09/11/25	09/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	4980	40.0	2	09/11/25	09/11/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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BH09-2'
E509112-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Benzene	ND	0.0250	1	09/11/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/11/25	09/11/25	
Toluene	ND	0.0250	1	09/11/25	09/11/25	
o-Xylene	ND	0.0250	1	09/11/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/11/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/11/25	09/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		125 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2537117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/25	09/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.2 %	70-130	09/11/25	09/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2537116
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	09/11/25	09/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2537118
Chloride	55.7	20.0	1	09/11/25	09/11/25	



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2537117-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.86		8.00		123	70-130			

LCS (2537117-BS1)

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

Benzene	3.76	0.0250	5.00		75.3	70-130			
Ethylbenzene	3.87	0.0250	5.00		77.4	70-130			
Toluene	3.81	0.0250	5.00		76.2	70-130			
o-Xylene	3.97	0.0250	5.00		79.4	70-130			
p,m-Xylene	7.90	0.0500	10.0		79.0	70-130			
Total Xylenes	11.9	0.0250	15.0		79.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	10.0		8.00		125	70-130			

Matrix Spike (2537117-MS1)

Source: E509112-04

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

Benzene	4.22	0.0250	5.00	ND	84.5	70-130			
Ethylbenzene	4.33	0.0250	5.00	ND	86.5	70-130			
Toluene	4.26	0.0250	5.00	ND	85.2	70-130			
o-Xylene	4.41	0.0250	5.00	ND	88.1	70-130			
p,m-Xylene	8.80	0.0500	10.0	ND	88.0	70-130			
Total Xylenes	13.2	0.0250	15.0	ND	88.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	10.1		8.00		127	70-130			

Matrix Spike Dup (2537117-MSD1)

Source: E509112-04

Prepared: 09/11/25 Analyzed: 09/12/25

Benzene	4.61	0.0250	5.00	ND	92.2	70-130	8.76	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130	11.4	26	
Toluene	4.74	0.0250	5.00	ND	94.8	70-130	10.6	20	
o-Xylene	4.88	0.0250	5.00	ND	97.5	70-130	10.1	25	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	70-130	11.1	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	70-130	10.8	26	
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2537117-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130		

LCS (2537117-BS2)

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

Gasoline Range Organics (C6-C10)	59.0	20.0	50.0		118	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130		

Matrix Spike (2537117-MS2)

Source: E509112-04

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

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	ND	112	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.3	70-130		

Matrix Spike Dup (2537117-MSD2)

Source: E509112-04

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

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	14.1	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130		



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2537116-BLK1)

Prepared: 09/11/25 Analyzed: 09/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.4	61-141			

LCS (2537116-BS1)

Prepared: 09/11/25 Analyzed: 09/12/25

Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.3	61-141			

Matrix Spike (2537116-MS1)

Source: E509112-04

Prepared: 09/11/25 Analyzed: 09/12/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: <i>n</i> -Nonane	50.3		50.0		101	61-141			

Matrix Spike Dup (2537116-MSD1)

Source: E509112-04

Prepared: 09/11/25 Analyzed: 09/12/25

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156	1.36	20	
Surrogate: <i>n</i> -Nonane	48.1		50.0		96.2	61-141			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/16/2025 4:21:37PM
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Anions by EPA 300.0/9056A

Analyst: IY

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 (2537118-BLK1)

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

Chloride	ND	20.0							
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LCS (2537118-BS1)

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

Chloride	251	20.0	250		101	90-110			
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Matrix Spike (2537118-MS1)

Source: E509111-03

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

Chloride	540	20.0	250	254	115	80-120			
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Matrix Spike Dup (2537118-MSD1)

Source: E509111-03

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

Chloride	504	20.0	250	254	100	80-120	6.94	20	
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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 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 09/16/25 16:21
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: CDU PW Line Spill				Address: 5315 Buena Vista Dr				E509112		01058-0007					x	x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: (575)689-7597												EPA Program					
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com												SDWA	CWA	RCRA			
Phone: 575-988-0055				Miscellaneous: Jim Raley												Compliance	Y	or	N		
Email: agiovengo@ensolum.com																PWSID #					

Sample Information										Analysis and Method								EPA Program		Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	Sample Temp	Remarks			
9:36	9/9/2025	Soil	1	BH07 - 0'			1										2.0				
9:38	9/9/2025	Soil	1	BH07 - 2'			2										2.3				
9:44	9/9/2025	Soil	1	BH07 - 4'			3										3.0				
11:20	9/9/2025	Soil	1	BH07 - 6'			4										3.0				
9:48	9/9/2025	Soil	1	BH08 - 0'			5										3.8				
9:54	9/9/2025	Soil	1	BH08 - 2'			6										4.0				
10:00	9/9/2025	Soil	1	BH09 - 0'			7										2.6				
10:02	9/9/2025	Soil	1	BH09 - 2'			8										2.6				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Israel Estrella										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>[Signature]</i>	9/10/25	7:11	Michelle Gonzalez	9-10-25	0711														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Michelle Gonzalez	9-10-25	1415	Marissa Gonzalez	9-10-25	1415														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Marissa Gonzalez	9-10-25	1815	Andrew Musso	9-10-25	1815														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Andrew Musso	9-10-25	2300	Cathy Mann	9-10-25	2300														
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: 9/11/2025 10:43:44AM

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: 09/10/25 23:00 Work Order ID: E509112
Phone: (505) 382-1211 Date Logged In: 09/10/25 16:25 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 09/18/25 07:00 (5 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for 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: CDU PW Line Spill

Work Order: E510309

Job Number: 01058-0007

Received: 10/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/31/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/31/25



Ashley Giovengo
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: CDU PW Line Spill
Workorder: E510309
Date Received: 10/27/2025 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2025 5:00:00AM, under the Project Name: CDU PW Line Spill.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/25 09:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07-7'	E510309-01A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
BH07-8'	E510309-02A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
BH07-9'	E510309-03A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:23:04AM
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BH07-7'

E510309-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Benzene	ND	0.0250	1	10/27/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/30/25	
Toluene	ND	0.0250	1	10/27/25	10/30/25	
o-Xylene	ND	0.0250	1	10/27/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	10/27/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	10/27/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2544016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/28/25	
<i>Surrogate: n-Nonane</i>						
		98.7 %	61-141	10/27/25	10/28/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2544059
Chloride	574	40.0	2	10/28/25	10/28/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:23:04AM
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BH07-8'
E510309-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Benzene	ND	0.0250	1	10/27/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/30/25	
Toluene	ND	0.0250	1	10/27/25	10/30/25	
o-Xylene	ND	0.0250	1	10/27/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	10/27/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	70-130	10/27/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/28/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	10/27/25	10/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2544059
Chloride	876	20.0	1	10/28/25	10/28/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:23:04AM
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BH07-9'
E510309-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Benzene	ND	0.0250	1	10/27/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/30/25	
Toluene	ND	0.0250	1	10/27/25	10/30/25	
o-Xylene	ND	0.0250	1	10/27/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	10/27/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	70-130	10/27/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/28/25	
<i>Surrogate: n-Nonane</i>		98.7 %	61-141	10/27/25	10/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2544059
Chloride	462	20.0	1	10/28/25	10/28/25	



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:23:04AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544009-BLK1)

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.02		8.00		113	70-130			

LCS (2544009-BS1)

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.65	0.0250	5.00		93.0	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.77	0.0250	5.00		95.3	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.2	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.00		8.00		113	70-130			

Matrix Spike (2544009-MS1)

Source: E510299-51

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	5.31	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.13	0.0250	5.00	ND	103	70-130			
Toluene	5.23	0.0250	5.00	ND	105	70-130			
o-Xylene	5.29	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.06		8.00		113	70-130			

Matrix Spike Dup (2544009-MSD1)

Source: E510299-51

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	5.27	0.0250	5.00	ND	105	70-130	0.741	27	
Ethylbenzene	5.12	0.0250	5.00	ND	102	70-130	0.276	26	
Toluene	5.20	0.0250	5.00	ND	104	70-130	0.549	20	
o-Xylene	5.28	0.0250	5.00	ND	106	70-130	0.220	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	0.230	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	0.226	26	
Surrogate: 4-Bromochlorobenzene-PID	9.13		8.00		114	70-130			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:23:04AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544009-BLK1)

Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

LCS (2544009-BS2)

Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

Matrix Spike (2544009-MS2)

Source: E510299-51

Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	70-130			

Matrix Spike Dup (2544009-MSD2)

Source: E510299-51

Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130	8.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:23:04AM
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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 (2544016-BLK1)

Prepared: 10/27/25 Analyzed: 10/27/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.7		50.0		95.3	61-141			

LCS (2544016-BS1)

Prepared: 10/27/25 Analyzed: 10/27/25

Diesel Range Organics (C10-C28)	245	25.0	250		98.1	66-144			
Surrogate: <i>n</i> -Nonane	46.5		50.0		92.9	61-141			

Matrix Spike (2544016-MS1)

Source: E510293-06

Prepared: 10/27/25 Analyzed: 10/27/25

Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	56-156			
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	61-141			

Matrix Spike Dup (2544016-MSD1)

Source: E510293-06

Prepared: 10/27/25 Analyzed: 10/27/25

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	10.9	20	
Surrogate: <i>n</i> -Nonane	47.8		50.0		95.7	61-141			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:23:04AM
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Anions by EPA 300.0/9056A

Analyst: TP

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 (2544059-BLK1)

Prepared: 10/28/25 Analyzed: 10/28/25

Chloride	ND	20.0							
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LCS (2544059-BS1)

Prepared: 10/28/25 Analyzed: 10/28/25

Chloride	257	20.0	250		103	90-110			
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Matrix Spike (2544059-MS1)

Source: E510311-05

Prepared: 10/28/25 Analyzed: 10/28/25

Chloride	1770	20.0	250	1550	90.4	80-120			
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Matrix Spike Dup (2544059-MSD1)

Source: E510311-05

Prepared: 10/28/25 Analyzed: 10/30/25

Chloride	1830	20.0	250	1550	113	80-120	3.11	20	
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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 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: CDU PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/31/25 09:23
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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.



WO# 21663364

Chain of Custody

Released to Imaging: 3/17/2026 9:26:20 AM

Received by OCD: 1/30/2026 8:47:24 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: CDU PW Line Spill				Address: 5315 Buena Vista Dr				E510309		01058-0007					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.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	
12:30	10/23/2025	S	1	BH07-7'			1						X										3.9
12:50	10/23/2025	S	1	BH07-8'			2						X										4.5
14:00	10/23/2025	S	1	BH07-9'			3						X										4.3

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.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: Aboubakar Kone						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. Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	10/24/25	7:11		10-24-25	855	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	10-24-25	2200	Caitlin Man	10-27-25	730	
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.



Page 198 of 228

Envirotech Analytical Laboratory

Printed: 10/27/2025 11:11:14AM

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: 10/27/25 05:00 Work Order ID: E510309
Phone: (505) 382-1211 Date Logged In: 10/27/25 06:44 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 10/31/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for 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: Cotton Draw Unit PW Line Spill

Work Order: E510120

Job Number: 01058-0007

Received: 10/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/17/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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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: 10/17/25

Ashley Giovengo
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Cotton Draw Unit PW Line Spill
Workorder: E510120
Date Received: 10/13/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/13/2025 7:00:00AM, under the Project Name: Cotton Draw Unit PW Line Spill.

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

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

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

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

Respectfully,

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

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

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Sample Summary

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/25 08:14
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-5'	E510120-01A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-10'	E510120-02A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-15'	E510120-03A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-20'	E510120-04A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-25'	E510120-05A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-30'	E510120-06A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-31'	E510120-07A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-32'	E510120-08A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-5'
E510120-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/13/25	
Toluene	ND	0.0250	1	10/13/25	10/13/25	
o-Xylene	ND	0.0250	1	10/13/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.1 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	45.1	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>		95.7 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	6450	100	5	10/13/25	10/13/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-10'

E510120-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.7 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	37.9	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	82.8	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	1880	20.0	1	10/13/25	10/13/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-15'

E510120-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	51.5	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	118	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	467	20.0	1	10/13/25	10/14/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-20'

E510120-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		96.6 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	543	20.0	1	10/13/25	10/14/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-25'

E510120-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		95.9 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	474	20.0	1	10/13/25	10/14/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-30'

E510120-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	838	20.0	1	10/13/25	10/14/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-31'

E510120-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>		94.3 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	315	20.0	1	10/13/25	10/14/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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BH03-32'

E510120-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2542004
Diesel Range Organics (C10-C28)	76.2	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	141	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		93.6 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2542023
Chloride	105	20.0	1	10/13/25	10/14/25	



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542016-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

LCS (2542016-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	5.47	0.0250	5.00		109	70-130			
Ethylbenzene	5.44	0.0250	5.00		109	70-130			
Toluene	5.48	0.0250	5.00		110	70-130			
o-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			

Matrix Spike (2542016-MS1)

Source: E510120-01

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	5.67	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.63	0.0250	5.00	ND	113	70-130			
Toluene	5.67	0.0250	5.00	ND	113	70-130			
o-Xylene	5.63	0.0250	5.00	ND	113	70-130			
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130			
Total Xylenes	17.1	0.0250	15.0	ND	114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

Matrix Spike Dup (2542016-MSD1)

Source: E510120-01

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	5.94	0.0250	5.00	ND	119	70-130	4.64	27	
Ethylbenzene	5.90	0.0250	5.00	ND	118	70-130	4.73	26	
Toluene	5.95	0.0250	5.00	ND	119	70-130	4.77	20	
o-Xylene	5.93	0.0250	5.00	ND	119	70-130	5.04	25	
p,m-Xylene	12.0	0.0500	10.0	ND	120	70-130	4.70	23	
Total Xylenes	17.9	0.0250	15.0	ND	119	70-130	4.81	26	
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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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 (2542016-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

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

LCS (2542016-BS2)

Prepared: 10/13/25 Analyzed: 10/13/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		89.9	70-130			

Matrix Spike (2542016-MS2)

Source: E510120-01

Prepared: 10/13/25 Analyzed: 10/14/25

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2542016-MSD2)

Source: E510120-01

Prepared: 10/13/25 Analyzed: 10/14/25

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	2.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542004-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	61-141			

LCS (2542004-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	237	25.0	250		95.0	66-144			
Surrogate: n-Nonane	47.3		50.0		94.6	61-141			

Matrix Spike (2542004-MS1)

Source: E510121-04

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	48.1		50.0		96.2	61-141			

Matrix Spike Dup (2542004-MSD1)

Source: E510121-04

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	56-156	1.71	20	
Surrogate: n-Nonane	47.7		50.0		95.5	61-141			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:14:54AM
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Anions by EPA 300.0/9056A

Analyst: TP

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 (2542023-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	ND	20.0							
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LCS (2542023-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	248	20.0	250		99.1	90-110			
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Matrix Spike (2542023-MS1)

Source: E510118-04

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	337	20.0	250	83.4	101	80-120			
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Matrix Spike Dup (2542023-MSD1)

Source: E510118-04

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	344	20.0	250	83.4	104	80-120	2.16	20	
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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 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Cotton Draw Unit PW Line Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/17/25 08:14
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Cotton Draw Unit 344 - PW Line Spill				Address: 5315 Buena Vista Dr				ES10120		01058-0007					X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: (575)689-7597																	
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 105 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1408	10/9/26	S	1	BH03-5'			1								X						
1411		S	1	BH03-10'			2								X						
1431		S	1	BH03-15'			3								X						
1440		S	1	BH03-20'			4								X						
1453		S	1	BH03-25'			5								X						
1519		S	1	BH03-30'			6								X						
1520		S	1	BH03-31'			7								X						
1521		S	1	BH03-32'			8								X						
Additional Instructions: Please CC: cburton@ensolum.com, aglovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge																					
Relinquished by: (Signature) <i>AP</i>				Date: 10-10-25		Time: 1000		Received by: (Signature) <i>Michelle Gonzales</i>				Date: 10-10-25		Time: 1000		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: O/N					
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date: 10-10-25		Time: 1430		Received by: (Signature) <i>Mark...</i>				Date: 10-10-25		Time: 1030							
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date: 10-10-25		Time: 2400		Received by: (Signature) <i>Ne...</i>				Date: 10-13-25		Time: 0700							
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: 10/13/2025 1:58:14PM

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: 10/13/25 07:00 Work Order ID: E510120
Phone: (505) 382-1211 Date Logged In: 10/10/25 15:35 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 10/17/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.



APPENDIX F

NMOCD Correspondence

From: [Velez, Nelson, EMNRD](#)
To: [Ashley Giovengo](#)
Cc: [Raley, Jim](#); [Cole Burton](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)
Subject: Re: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - CDU PW Line Spill - nAPP2521931180
Date: Tuesday, November 4, 2025 11:57:33 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[Outlook-lzhg3dl4.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

Thank you for the correspondence.

Your 90-day time extension request is approved. Remediation Due date has been updated to February 2, 2026.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have a safe and productive day!

Regards,

Nelson Velez • Senior Environmental Scientist
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, November 3, 2025 2:36 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - CDU PW Line

Spill - nAPP2521931180

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Monday, November 3, 2025 1:49 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.ralej@dvn.com>; Cole Burton <cburton@ensolum.com>
Subject: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - CDU PW Line Spill - nAPP2521931180

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello All,

Devon Energy Production Company, LP (Devon) is requesting an extension for the current deadline of November 4, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the CDU PW Line Spill (Site) (Incident Number nAPP2521931180). The release occurred on August 6, 2025, and 50 barrels (bbls) of produced water were released; 0 bbls of produced water were recovered. The release impacted an area off-pad approximately 47,184 square feet in size on Federal Land managed by the Bureau of Land Management (BLM). Lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site (see Table 1 and Figure 2). Excavation of the subject matter release will begin as soon as Devon selects a subcontractor. Devon intends to submit a work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Devon respectfully requests a 90-day extension until February 2, 2026. Please let me know if you have any further questions regarding this site.

Thanks,



Ashley Giovengo

Associate Principal

575-988-0055

Ensolum, LLC

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“Your authenticity is your superpower.” – Unknown

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Phone: (505) 476-3441

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

QUESTIONS

Action 548399

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 548399
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2521931180
Incident Name	NAPP2521931180 CDU PW LINE SPILL @ G-02-25S-31E 82N 285E
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	CDU PW LINE SPILL
Date Release Discovered	08/06/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 50 BBL Recovered: 0 BBL Lost: 50 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)	Produced water line developed leak along lease road. This allowed fluids to run down road surface.

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Action 548399

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>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.</i>	

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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/30/2026
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QUESTIONS, Page 3

Action 548399

QUESTIONS (continued)

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	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 200 and 300 (ft.)
Any other fresh water well or spring	Between 200 and 300 (ft.)
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	Yes

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)	17200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	12815
GRO+DRO (EPA SW-846 Method 8015M)	9235
BTEX (EPA SW-846 Method 8021B or 8260B)	24
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	02/23/2026
On what date will (or did) the final sampling or liner inspection occur	03/13/2026
On what date will (or was) the remediation complete(d)	03/13/2026
What is the estimated surface area (in square feet) that will be reclaimed	48211
What is the estimated volume (in cubic yards) that will be reclaimed	3753
What is the estimated surface area (in square feet) that will be remediated	48211
What is the estimated volume (in cubic yards) that will be remediated	3753

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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Action 548399

QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/30/2026
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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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Action 548399

QUESTIONS (continued)

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QUESTIONS

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

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QUESTIONS, Page 6

Action 548399

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	559802
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/10/2026
What was the (estimated) number of samples that were to be gathered	152
What was the sampling surface area in square feet	48211

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 548399

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 548399
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved as written along with the following condition; 1. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, Devon Energy (Devon) must collect a minimum of one (1) five point composite sample from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface. 2. Devon has 90-days (June 15, 2026) to submit to OCD its appropriate or final remediation closure report.	3/17/2026