



SITE CHARACTERIZATION AND REMEDIATION PLAN

Prepared For:

*Devon Energy Production Company, LP
5315 Buena Vista Dr.
Carlsbad, NM 88220*

Site Information:

Littlefield EM Federal #001

Incident Number nAB1722934653

*Unit J, Section 20, Township 18 South, Range 31 East
Eddy County, New Mexico
(32.7312012°, -103.8895569°)*

Carlsbad • Houston • Midland • San Antonio • Lubbock • Hobbs • Lafayette



SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Site Characterization and Remediation Plan (SCRP) detailing delineation soil sampling activities associated with an inadvertent release related to oil and gas exploration and production operations on Federal Land, managed by the Bureau of Land Management (BLM), at the Littlefield EM Federal #001 (Site) (**Figure 1** in **Appendix A**). Based on laboratory analytical results, Devon proposes this SCR, which summarizes initial response efforts, details soil sampling activities, and outlines remediation objectives to rectify environmental impacts at the Site.

RELEASE BACKGROUND

On July 29, 2017, a water storage tank overflow resulted in approximately 26 barrels (bbls) of produced water to be released into the former secondary lined containment. A vacuum truck was immediately dispatched and recovered approximately 25 bbls of fluid. Devon immediately notified the New Mexico Oil Conservation Division (NMOCD) and BLM on July 31, 2017, and reported the release on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD August 11, 2017, and was subsequently assigned Incident Number nAB1722934653. **Figure 2** in **Appendix A** depicts the estimated release area, and former lined containment hereafter referred to as the Area of Concern (AOC).

From August 6, 2020, through May 25, 2021, a third-party environmental contractor conducted soil sampling in attempt to characterize and remediate the AOC. Based on laboratory analytical results from the final confirmation samples, Devon submitted a closure request on September 20, 2022, assigned application ID ([34530](#)). On September 20, 2022, the NMOCD denied the closure request, due to incomplete delineation and remediation in accordance with the applicable closure criteria.

The Site assigned API (30-015-21996) has since been Plugged and Abandoned (P&A'd) in accordance with regulatory NMOCD standards, which was completed on April 21, 2021. All surface equipment, including the former lined containment, has been removed, and the Site has since been released. Following P&A, Etech was retained to address remedial uncertainties arising from the removal of equipment and to ensure compliance with current applicable standards and closure criteria. The recent delineation activities are detailed in the following sections included in this SCR.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to 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) considering depth to ground water and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.



Depth to groundwater is estimated to be between 51 and 100 feet below ground surface (bgs) based off a nearby dry soil boring (CP-02054-POD1) located approximately 0.33-mile north of the Site, which was advanced by Scarborough Drilling, Inc (Scarborough). The soil boring was advanced on February 28, 2025, via a truck mounted drill rig equipped with air rotary to a total depth of 55 feet bgs. No fluids were observed throughout the drilling process nor after the 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The referenced well record is provided in **Appendix B**.

The potential receptors listed above are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in **Figure 1A**, **Figure 1B**, and **Figure 1C** in **Appendix A**.

Based on the desktop review and the estimated depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	10,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO)+ TPH-Deisel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8260B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

DELINEATION SOIL SAMPLING ACTIVITIES

From March to June 2025, Etech conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC, based on the information provided in the Form C-141. Eight delineation soil sampling locations (BH01/PH01 through BH08/PH08) were advanced via hand auger and/or mechanical equipment, which were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two soil samples were collected from each delineation soil sampling location, representing the highest observed field screening concentration(s) and the greatest depth. Field screening results and soil observations are included on soil sampling logs in **Appendix C**. The delineation soil sample locations are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc. Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil samples surrounding the AOC were compliant with the Site Closure Criteria and/or reclamation standard. Additionally, BTEX concentrations were below the Site Closure Criteria for all delineation soil samples.



Laboratory analytical results for soil samples within the AOC indicated that chloride concentrations and TPH-GRO + TPH DRO/TPH concentrations exceed the Site Closure Criteria and/or reclamation standard up to 4 feet bgs. Elevated chloride concentrations were characterized by concentrations ranging from 905 mg/kg to 3,770 mg/kg, and elevated TPH-GRO + TPH DRO/TPH concentrations were characterized by concentrations ranging from 106 mg/kg to 2,250 mg/kg.

Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody form and laboratory reports are provided in **Appendix F**.

PROPOSED REMEDIATION WORK PLAN

Based on the delineation soil sample analytical results, the following conclusions regarding the inadvertent release are presented:

- The horizontal periphery of the AOC has been sufficiently defined, and
- Residual impacts have been identified within the AOC up to 4 feet bgs.

Based on the conclusions above, Devon proposes the following corrective actions:

- Excavation(s) will be advanced laterally and vertically until the Site Closure Criteria and/or reclamation standard is met. Based on current delineation soil sampling results, a minimum of 308 cubic yards of residually impacted soil (1,879 square feet up to 6 feet bgs) will be excavated and removed from the Site. The proposed excavation area is shown on **Figure 3** in **Appendix A**.
- Impacted soil will be transported to a nearby landfill facility for disposal under approved Devon waste manifests.
- Following the completion of excavation activities, 5-point composite confirmation soil samples will be collected from the excavation floor and sidewalls at a frequency not to exceed 200 square feet per soil sample. Confirmation soil samples will be handled and analyzed for COCs by an accredited laboratory as previously described.
- Upon receipt of confirmation soil sample laboratory analytical results indicating compliance with the applicable Site Closure Criteria, Devon will backfill the excavation(s) with clean, locally sourced soil and restored to "as close to its original state as possible". The total disturbed area will be reseeded with the appropriate BLM seed mix according to BLM guidelines.

PROPOSED SCHEDULE

Upon notice of NMOCD approval of this SCRP, Devon will begin the proposed remediation activities as outlined above within 90 days. Devon believes this SCRP meets the requirements set forth in NMAC 19.15.29.13 and to be protective of human health, the environment, and groundwater. As such, Devon respectfully requests to proceed with the proposed remediation outline.

If you have any questions or comments, please do not hesitate to contact Erick Herrera at (432) 305-6416 or erick@etechenv.com or Joseph S. Hernandez at (432) 305-6413 or joseph@etechenv.com. **Appendix G** provides correspondence and email notification receipts associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.



A handwritten signature in black ink, appearing to read "Erick H".

Erick Herrera
Lead Project Geologist

A handwritten signature in black ink, appearing to read "Joseph S. Hernandez".

Joseph S. Hernandez
Senior Managing Geologist

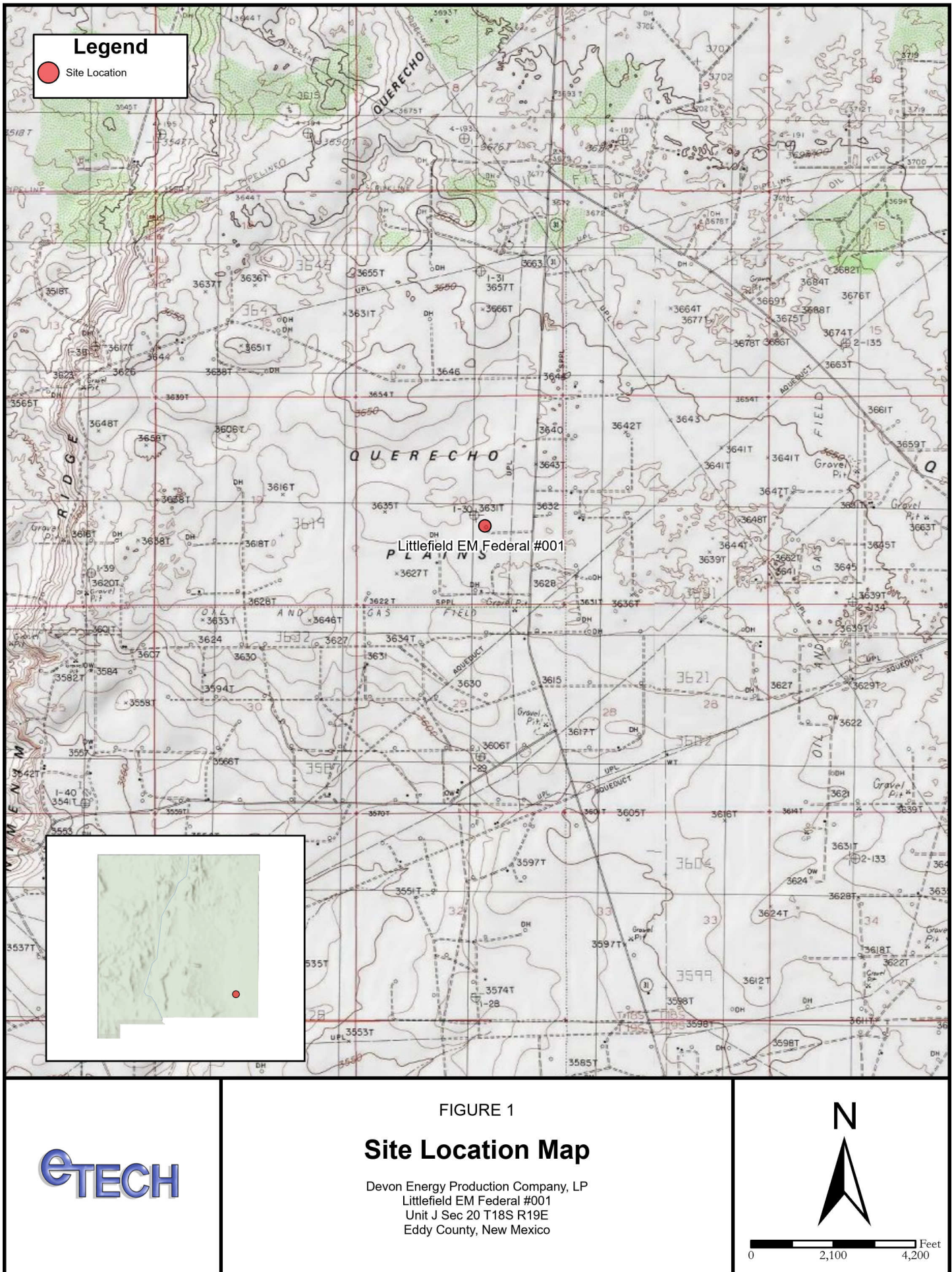
cc: Jim Raley, Devon
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

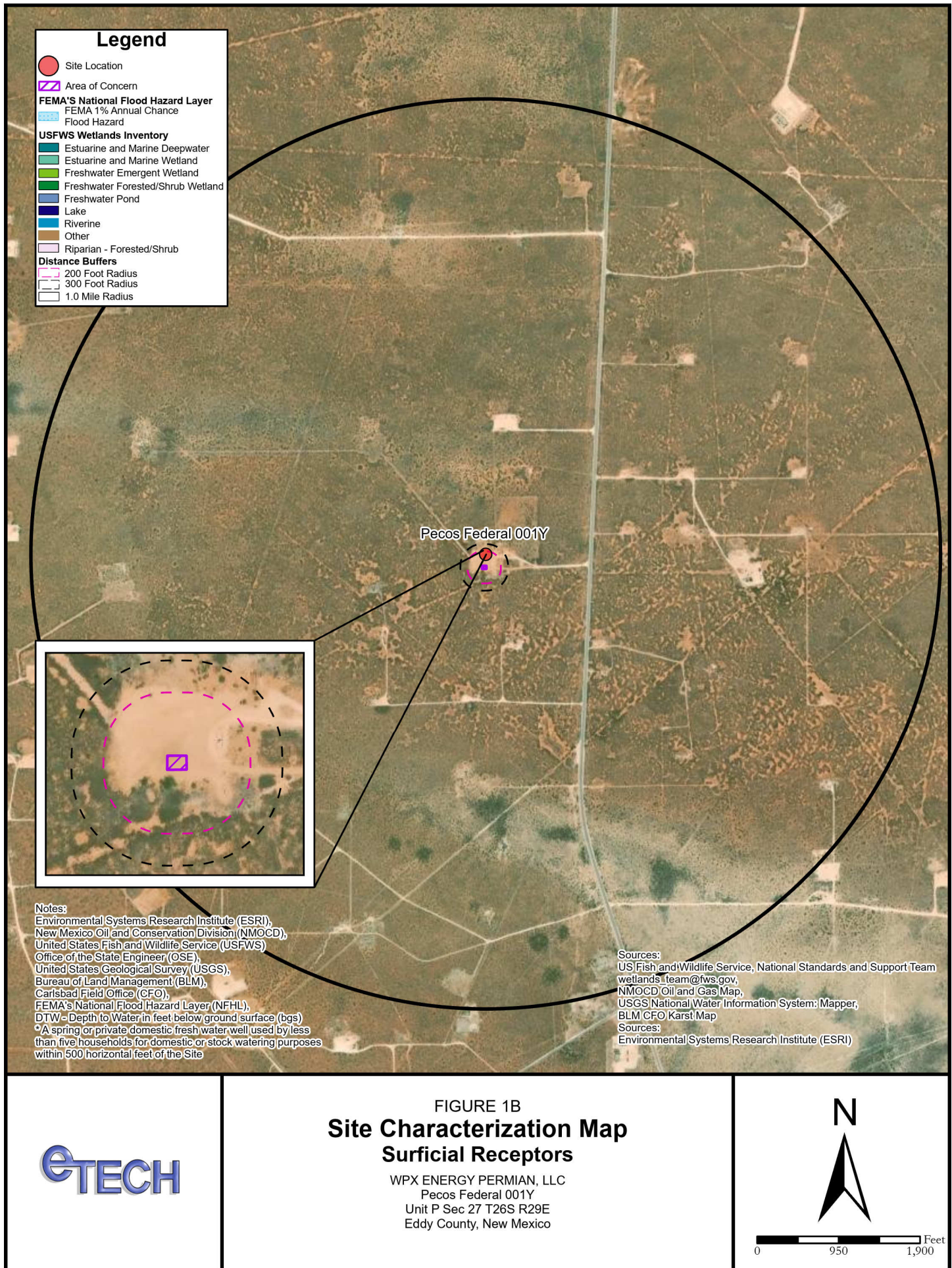
- Appendix A:** Figure 1: Site Map
Figure 1A: Site Characterization – Groundwater
Figure 1B: Site Characterization – Surface Receptors
Figure 1C: Site Characterization – Subsurface Receptors
Figure 2: Delineation Soil Sample Locations
Figure 3: Proposed Excavation Area
- Appendix B:** Referenced Well Records
- Appendix C:** Soil Sampling Logs
- Appendix D:** Photographic Log
- Appendix E:** Tables
- Appendix F:** Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix G:** Correspondence & Notifications

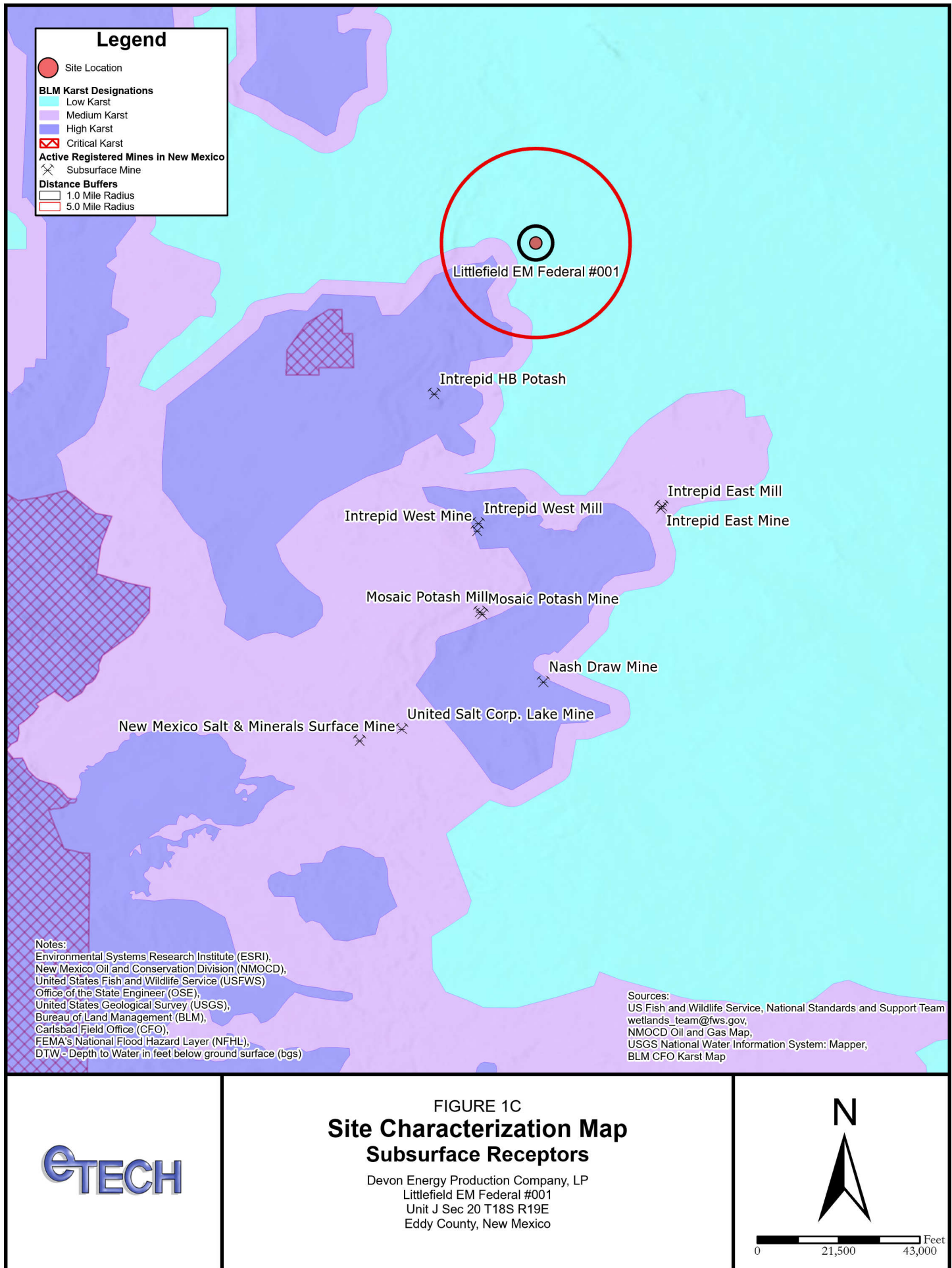
APPENDIX A

Figures



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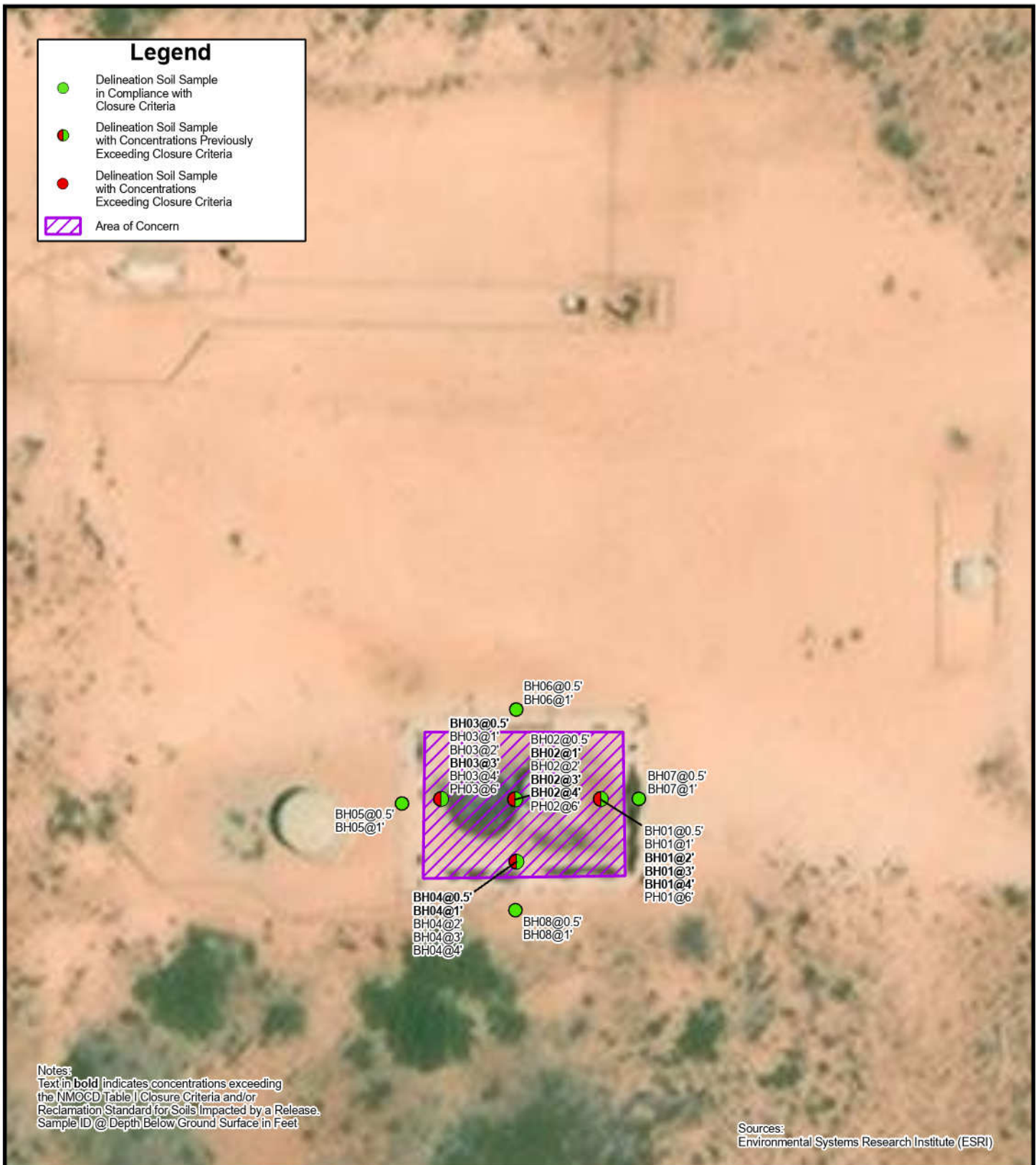
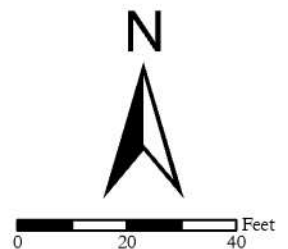
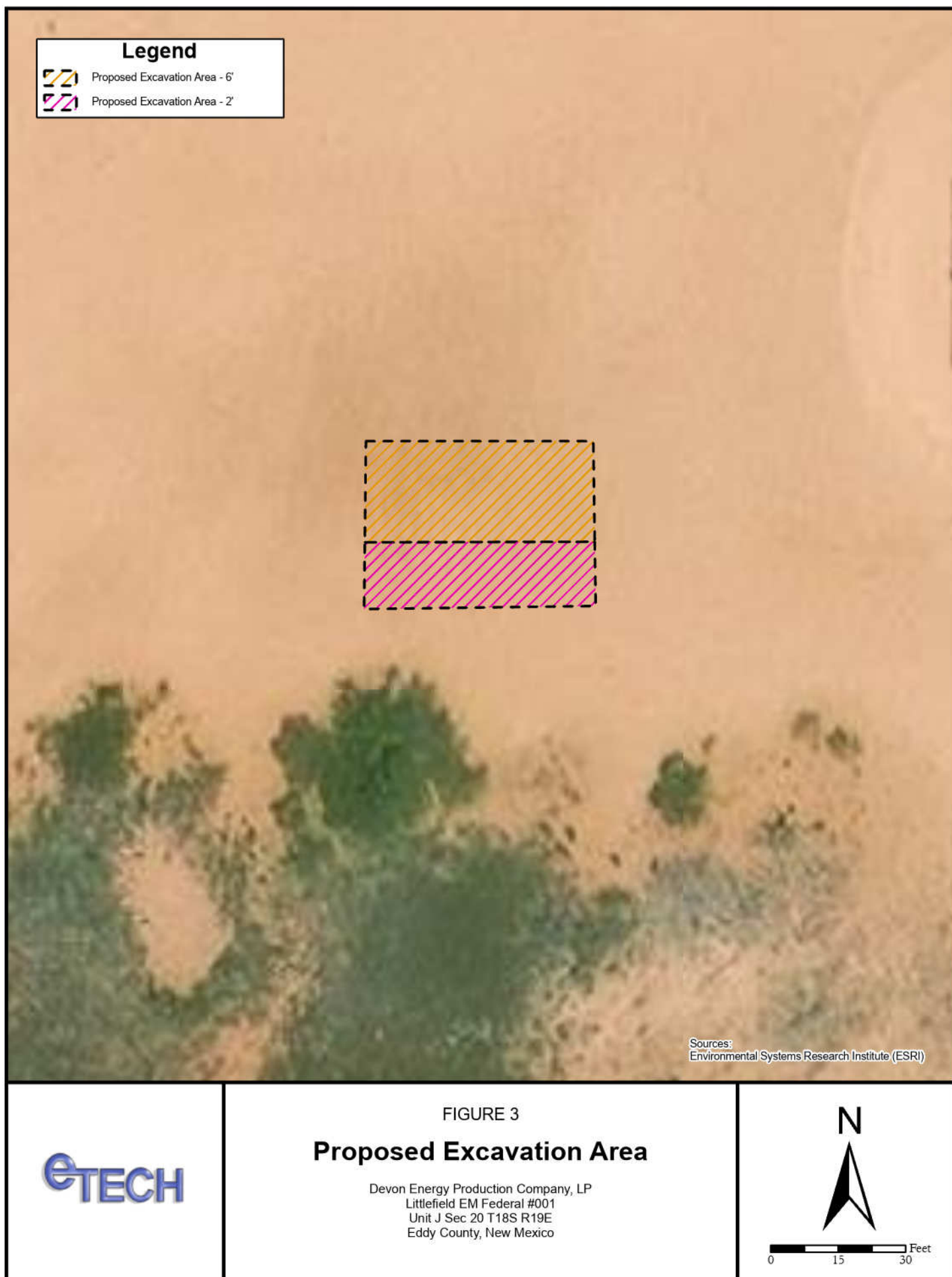


FIGURE 2

Delineation Soil Sample Locations

Devon Energy Production Company, LP
 Littlefield EM Federal #001
 Unit J Sec 20 T18S R19E
 Eddy County, New Mexico





APPENDIX B

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1		WELL TAG ID NO.		OSE FILE NO(S) CP 02054			
	WELL OWNER NAME(S) DEVON ENERGY PRODUCTION COMPANY, LP				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 44	SECONDS 8.1702	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	53	19.68	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE G-20-18S-31E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1188		NAME OF LICENSED DRILLER Scott Scarborough			NAME OF WELL DRILLING COMPANY Scarborough Drilling		
	DRILLING STARTED 2/28/25		DRILLING ENDED 2/28/25		DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
				NONE				
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				n/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. CP-2054	POD NO. 1	TRN NO. 779386
LOCATION 18S-31E-20 232	WELL TAG ID NO. NA	PAGE 1 OF 2

APPENDIX C

Soil Sampling Logs



Sample Name: BH01	Date: 03/13/2025 & 06/25/2025
Site Name: Littlefield EM Federal #001	
Incident Number: nAB1722934653	
Job Number: 21505	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: HB	Method: Hand Auger/Backhoe
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Delineation Soil Sample Coordinates: 32.7307900, -103.8895488

Hole Diameter: 3.75"

Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	260	0.0	No	BH01	0.5	0.5	SP-SM	(0-2') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	<116	0.0	No	BH01	1	1		
Dry	140	0.0	No	BH01	2	2		@ 1' Increase in cohesiveness from low to some.
Dry	368	0.0	No	BH01	3	3	CCHE	@ 2' Increase in clay from none to trace.
Dry	536	0.0	No	BH01	4	4		
						5		(3-6') CALICHE, dry, tan, well graded with silt, very fine to coarse grain, no cohesiveness, trace clay, no staining or odor.
Dry	484	1.1	No	PH01	6	6		

Total Depth



Sample Name: BH02

Date: 03/13/2025 & 06/25/2025

Site Name: Littlefield EM Federal #001

Incident Number: nAB1722934653

Job Number: 21505

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: HB

Method: Hand Auger/Backhoe

Delineation Soil Sample Coordinates: 32.7307903, -103.8896204

Hole Diameter: 3.75"

Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	140	0.0	No	BH02	0.5	0.5	SP-SM	(0-2') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	168	0.0	No	BH02	1	1		
Dry	332	0.0	No	BH02	2	2		@ 1' Increase in cohesiveness from low to some.
Dry	772	0.0	No	BH02	3	3	CCHE	@ 2' Increase in clay from none to trace.
Dry	904	0.0	No	BH02	4	4		(3-6') CALICHE, dry, tan, well graded with silt, very fine to coarse grain, no cohesiveness, trace clay, no staining or odor.
						5		
Dry	588	486.4	No	PH02	6	6		
Total Depth								



Sample Name: BH03

Date: 03/13/2025 & 06/25/2025

Site Name: Littlefield EM Federal #001

Incident Number: nAB1722934653

Job Number: 21505

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: HB

Method: Hand Auger/ Backhoe

Delineation Soil Sample Coordinates: 32.7307903, -103.8896816

Hole Diameter: 3.75"

Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	456	0.0	No	BH03	0.5	0.5	SP-SM	(0-3') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	332	0.0	No	BH03	1	1		
Dry	332	0.0	No	BH03	2	2		@ 1' Increase in cohesiveness from low to some.
Dry	904	0.0	No	BH03	3	3		@ 3' Increase in clay from none to trace.
Dry	1,640	0.0	No	BH03	4	4	CCHE	(4-6') CALICHE, dry, tan, well graded with silt, very fine to coarse grain, no cohesiveness, no staining or odor.
						5		
Dry	972	6.5	No	PH03	6	6		
Total Depth								



Sample Name: BH04

Date: 03/13/2025

Site Name: Littlefield EM Federal #001

Incident Number: nAB1722934653

Job Number: 21505

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: HB

Method: Hand Auger

Delineation Soil Sample Coordinates: 32.7307471, -103.8896192


Hole Diameter: 3.75"


Total Depth: 4'


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.


Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	3,192	0.0	No	BH04	0.5	0.5	SP-SM	(0-3') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	2,044	0.0	No	BH04	1	1		
Dry	228	0.0	No	BH04	2	2		@ 1' Increase in cohesiveness from low to some.
Dry	600	0.0	No	BH04	3	3		
Dry	1,316	0.0	No	BH04	4	4	CCHE	(4') CALICHE, dry, tan, well graded with silt, very fine to coarse grain, no cohesiveness, no staining or odor.

Total Depth

					Sample Name: BH05		Date: 03/13/2025	
					Site Name: Littlefield EM Federal #001			
					Incident Number: nAB1722934653			
					Job Number: 21505			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: HB		Method: Hand Auger	
Delineation Soil Sample Coordinates: 32.7307873, -103.8897138					Hole Diameter: 3.75"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.0	No	BH05	0.5	0.5	SP-SM	(0-1') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	<116	0.0	No	BH05	1	1		@ 1' Increase in cohesiveness from low to some.
Total Depth								

					Sample Name: BH06		Date: 03/13/2025	
					Site Name: Littlefield EM Federal #001			
					Incident Number: nAB1722934653			
					Job Number: 21505			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: HB		Method: Hand Auger	
Delineation Soil Sample Coordinates: 32.7308527, -103.8896192					Hole Diameter: 3.75"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	228	0.0	No	BH06	0.5	0.5	SP-SM	(0-1') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	412	0.0	No	BH06	1	1		@ 1' Increase in cohesiveness from low to some.
Total Depth								

					Sample Name: BH07		Date: 03/13/2025	
					Site Name: Littlefield EM Federal #001			
					Incident Number: nAB1722934653			
					Job Number: 21505			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: HB		Method: Hand Auger	
Delineation Soil Sample Coordinates: 32.7307911, -103.8895180					Hole Diameter: 3.75"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.0	No	BH07	0.5	0.5	SP-SM	(0-1') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	<116	0.0	No	BH07	1	1		@ 1' Increase in cohesiveness from low to some.
Total Depth								

					Sample Name: BH08		Date: 03/13/2025	
					Site Name: Littlefield EM Federal #001			
					Incident Number: nAB1722934653			
					Job Number: 21505			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: HB		Method: Hand Auger	
Delineation Soil Sample Coordinates: 32.7307125, -103.8896195					Hole Diameter: 3.75"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.0	No	BH08	0.5	0.5	SP-SM	(0-1') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, no staining or odor.
Dry	<116	0.0	No	BH08	1	1		@ 1' Increase in cohesiveness from low to some.
Total Depth								

APPENDIX D

Photographic Log



PHOTOGRAPHIC LOG
Devon Production Company, LP
 Littlefield EM Federal #001
 Incident Number: nAB1722934653

Position: +032.730767° / -103.889653° (±45.9ft)
 Altitude: 3634ft (±39.4ft)
 Datum: WGS-84
 Azimuth/Bearing: 046° N46E 0818mils True (±11°)
 Elevation Angle: -41.4°
 Horizon Angle: +02.4°
 Zoom: 0.5X
 Littlefield



Photograph 1 **Date: 03/13/2025**
 Description: Northeastern view of delineation activities.

Position: +032.730810° / -103.889474° (±11.6ft)
 Altitude: 3641ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 214° S34W 3804mils True (±11°)
 Elevation Angle: -17.6°
 Horizon Angle: -00.4°
 Zoom: 0.5X
 Littlefield



Photograph 2 **Date: 03/13/2025**
 Description: Southwestern view of delineation activities.

Position: +032.730817° / -103.889495° (±11.6ft)
 Altitude: 3647ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 176° S04E 8129mils True (±11°)
 Elevation Angle: -21.7°
 Horizon Angle: +00.0°
 Zoom: 0.5X
 Littlefield



Photograph 3 **Date: 03/13/2025**
 Description: Southeastern view of delineation activities.

Position: +032.730845° / -103.889572° (±45.9ft)
 Altitude: 3629ft (±26.2ft)
 Datum: WGS-84
 Azimuth/Bearing: 112° S68E 1991mils True (±11°)
 Elevation Angle: -48.6°
 Horizon Angle: -03.1°
 Zoom: 0.5X
 Littlefield



Photograph 4 **Date: 06/25/2025**
 Description: Southeastern view of continued delineation activities.

APPENDIX E

Tables



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Littlefield EM Federal #001
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - Incident Number nAB1722934653										
BH01*	03/13/2025	0.5	<0.0250	0.527	<20.0	<25.0	<50.0	<25.0	<50.0	335
BH01*	03/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01*	03/13/2025	2	<0.0250	<0.0500	<20.0	244	<50.0	244	244	86.2
BH01*	03/13/2025	3	<0.0250	<0.0500	<20.0	505	<50.0	505	505	374
BH01	03/13/2025	4	<0.0250	0.123	<20.0	1,080	<50.0	1,080	1,080	592
PH01	06/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	693
BH02*	03/13/2025	0.5	<0.0250	<0.0500	<20.0	46.0	<50.0	46.0	46.0	102
BH02*	03/13/2025	1	<0.0250	<0.0500	<20.0	207	52.6	207	260	135
BH02*	03/13/2025	2	<0.0250	<0.0500	<20.0	67.1	<50.0	67.1	67.1	319
BH02*	03/13/2025	3	<0.0250	0.0327	<20.0	457	<50.0	457	457	905
BH02	03/13/2025	4	<0.0250	0.530	44.0	2,210	<50.0	2,250	2,250	953
PH02	06/25/2025	6	<0.0250	<0.0500	<20.0	40.7	<50.0	40.7	40.7	1,300
BH03*	03/13/2025	0.5	<0.0250	0.126	<20.0	<25.0	<50.0	<25.0	<50.0	924
BH03*	03/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	539
BH03*	03/13/2025	2	<0.0250	<0.0500	<20.0	62.0	<50.0	62.0	62.0	287
BH03*	03/13/2025	3	<0.0250	<0.0500	<20.0	106	<50.0	106	106	725
BH03	03/13/2025	4	<0.0250	<0.0500	<20.0	966	50.8	966	1,020	1,810
PH03	06/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,680
BH04*	03/13/2025	0.5	<0.0250	0.126	<20.0	<25.0	<50.0	<25.0	<50.0	3,770
BH04*	03/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,400
BH04*	03/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	427
BH04*	03/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	557
BH04	03/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,520
BH05*	03/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.4
BH05*	03/13/2025	1	<0.0250	<0.0500	<20.0	27.4	<50.0	27.4	27.4	40.0
BH06*	03/13/2025	0.5	<0.0250	<0.0500	<20.0	31.0	<50.0	31.0	31.0	237
BH06*	03/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	461



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Littlefield EM Federal #001
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - Incident Number nAB1722934653										
BH07*	03/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07*	03/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08*	03/13/2025	0.5	<0.0250	<0.0500	<20.0	27.8	<50.0	27.8	27.8	20.3
BH08*	03/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

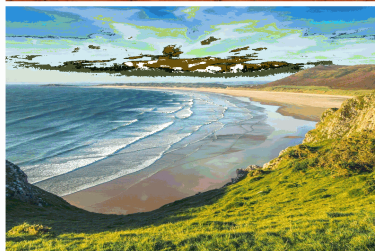
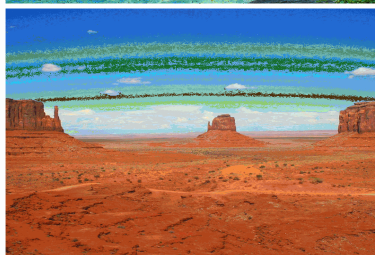
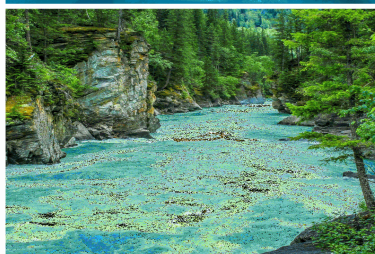
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard¹ for Soils Impacted by a Release

** * Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH.

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Little Field EM Federal #001

Work Order: E503141

Job Number: 01058-0007

Received: 3/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

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: 3/24/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Little Field EM Federal #001
Workorder: E503141
Date Received: 3/18/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/18/2025 7:30:00AM, under the Project Name: Little Field EM Federal #001.

The analytical test results summarized in this report with the Project Name: Little Field EM Federal #001 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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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	03/24/25 09:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E503141-01A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH01 1'	E503141-02A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH01 2'	E503141-03A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH01 3'	E503141-04A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH01 4'	E503141-05A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH02 0.5'	E503141-06A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH02 1'	E503141-07A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH02 2'	E503141-08A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH02 3'	E503141-09A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH02 4'	E503141-10A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH03 0.5'	E503141-11A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH03 1'	E503141-12A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH03 2'	E503141-13A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH03 3'	E503141-14A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH03 4'	E503141-15A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH04 0.5'	E503141-16A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH04 1'	E503141-17A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH04 2'	E503141-18A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH04 3'	E503141-19A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH04 4'	E503141-20A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH01 0.5'

E503141-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	0.527	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.1 %	70-130	03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2512044	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	03/18/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512055	
Chloride	335	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH01 1'

E503141-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.5 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/18/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	ND	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH01 2'

E503141-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	244	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		03/18/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	86.2	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH01 3'

E503141-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	505	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		03/18/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	374	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH01 4'

E503141-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	0.0368	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	0.0859	0.0500	1	03/18/25	03/18/25	
Total Xylenes	0.123	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.6 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	1080	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		03/18/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	592	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH02 0.5'

E503141-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.1 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	46.0	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/18/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	102	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH02 1'

E503141-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.2 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	207	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	52.6	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/18/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	135	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH02 2'

E503141-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.2 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	67.1	25.0	1	03/18/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/18/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	319	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH02 3'

E503141-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	0.0327	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>82.7 %</i>	<i>70-130</i>		<i>03/18/25</i>	<i>03/18/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>95.7 %</i>	<i>70-130</i>		<i>03/18/25</i>	<i>03/18/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2512044	
Diesel Range Organics (C10-C28)	457	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>	<i>109 %</i>	<i>61-141</i>		<i>03/18/25</i>	<i>03/19/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512055	
Chloride	905	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH02 4'

E503141-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	0.0662	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	0.126	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	0.338	0.0500	1	03/18/25	03/18/25	
Total Xylenes	0.464	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	44.0	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	2210	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	953	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH03 0.5'

E503141-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	0.126	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.0 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	924	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH03 1'

E503141-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.3 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	539	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH03 2'

E503141-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.3 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	62.0	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	287	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH03 3'

E503141-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.6 %	70-130	03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2512044	
Diesel Range Organics (C10-C28)	106	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	03/18/25	03/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512055	
Chloride	725	20.0	1	03/18/25	03/18/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Little Field EM Federal #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 3/24/2025 9:23:20AM
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BH03 4'

E503141-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
Surrogate: 4-Bromochlorobenzene-PID	83.7 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2512044	
Diesel Range Organics (C10-C28)	966	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	50.8	50.0	1	03/18/25	03/19/25	
Surrogate: n-Nonane	111 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512055	
Chloride	1810	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH04 0.5'

E503141-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	0.126	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.6 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	3770	40.0	2	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH04 1'

E503141-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.0 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	2400	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH04 2'

E503141-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	427	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 9:23:20AM

BH04 3'

E503141-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Benzene	ND	0.0250	1	03/18/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/19/25	
Toluene	ND	0.0250	1	03/18/25	03/19/25	
o-Xylene	ND	0.0250	1	03/18/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.1 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512044
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	84.6 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512055
Chloride	557	20.0	1	03/18/25	03/18/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Little Field EM Federal #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 3/24/2025 9:23:20AM
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BH04 4'

E503141-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Benzene	ND	0.0250	1	03/18/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/19/25	
Toluene	ND	0.0250	1	03/18/25	03/19/25	
o-Xylene	ND	0.0250	1	03/18/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.2 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2512044	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512055	
Chloride	1520	20.0	1	03/18/25	03/18/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 9:23:20AM

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 (2512048-BLK1) Prepared: 03/18/25 Analyzed: 03/19/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.44		8.00		80.5	70-130			

LCS (2512048-BS1) Prepared: 03/18/25 Analyzed: 03/18/25

Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	4.97	0.0250	5.00		99.5	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.49		8.00		81.1	70-130			

Matrix Spike (2512048-MS1) Source: E503141-04 Prepared: 03/18/25 Analyzed: 03/18/25

Benzene	5.23	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.01	0.0250	5.00	ND	100	70-130			
Toluene	5.15	0.0250	5.00	ND	103	70-130			
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.99		8.00		87.4	70-130			

Matrix Spike Dup (2512048-MSD1) Source: E503141-04 Prepared: 03/18/25 Analyzed: 03/18/25

Benzene	5.37	0.0250	5.00	ND	107	70-130	2.67	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	2.70	26	
Toluene	5.29	0.0250	5.00	ND	106	70-130	2.68	20	
o-Xylene	5.07	0.0250	5.00	ND	101	70-130	2.73	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	2.67	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	2.69	26	
Surrogate: 4-Bromochlorobenzene-PID	7.02		8.00		87.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 9:23:20AM

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 (2512048-BLK1) Prepared: 03/18/25 Analyzed: 03/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

LCS (2512048-BS2) Prepared: 03/18/25 Analyzed: 03/18/25

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			

Matrix Spike (2512048-MS2) Source: E503141-04 Prepared: 03/18/25 Analyzed: 03/18/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

Matrix Spike Dup (2512048-MSD2) Source: E503141-04 Prepared: 03/18/25 Analyzed: 03/18/25

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130	7.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 9:23:20AM

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 (2512044-BLK1)					Prepared: 03/18/25 Analyzed: 03/18/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.3		50.0		105	61-141			

LCS (2512044-BS1)					Prepared: 03/18/25 Analyzed: 03/18/25				
Diesel Range Organics (C10-C28)	221	25.0	250		88.4	66-144			
Surrogate: n-Nonane	51.2		50.0		102	61-141			

Matrix Spike (2512044-MS1)					Source: E503141-06		Prepared: 03/18/25 Analyzed: 03/18/25		
Diesel Range Organics (C10-C28)	263	25.0	250	46.0	86.9	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2512044-MSD1)					Source: E503141-06		Prepared: 03/18/25 Analyzed: 03/18/25		
Diesel Range Organics (C10-C28)	270	25.0	250	46.0	89.5	56-156	2.43	20	
Surrogate: n-Nonane	52.1		50.0		104	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 9:23:20AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2512055-BLK1)					Prepared: 03/18/25 Analyzed: 03/18/25				
Chloride	ND	20.0							
LCS (2512055-BS1)					Prepared: 03/18/25 Analyzed: 03/18/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512055-MS1)					Source: E503141-11		Prepared: 03/18/25 Analyzed: 03/18/25		
Chloride	1150	20.0	250	924	89.5	80-120			
Matrix Spike Dup (2512055-MSD1)					Source: E503141-11		Prepared: 03/18/25 Analyzed: 03/18/25		
Chloride	1180	20.0	250	924	104	80-120	3.02	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:	Little Field EM Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/24/25 09:23

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

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

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

Project Information

Chain of Custody

Client: Devon Energy Production Company, LP				Bill To		Lab Use Only				TAT				EPA Program				
Project: Little Field EM Federal #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.		E503141		010580007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6415				Email: jim.raley@divn.com										NM	CO	UT	AZ	TX
Email: NMTXGeoGroup@etechnv.com				WO: 1008021501														
PN: 21505				Incident ID: nAB1722934653														
Collected by: Haleigh Blume						Remarks												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
9:05	03.13.25	S	1	BH01	1	0.5'							X					
9:08	03.13.25	S	1	BH01	2	1'							X					
9:15	03.13.25	S	1	BH01	3	2'							X					
9:18	03.13.25	S	1	BH01	4	3'							X					
9:25	03.13.25	S	1	BH01	5	4'							X					
10:05	03.13.25	S	1	BH02	6	0.5'							X					
10:10	03.13.25	S	1	BH02	7	1'							X					
10:15	03.13.25	S	1	BH02	8	2'							X					
10:20	03.13.25	S	1	BH02	9	3'							X					
10:25	03.13.25	S	1	BH02	10	4'							X					
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Sampled by: HB																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only						
Michelle Gonzales		03/17/25		1430		Michelle Gonzales		3-17-25		1200		Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N						
Michelle Gonzales		3-17-25		1430		Michelle Gonzales		3-17-25		1520		T1 _____ T2 _____ T3 _____						
Michelle Gonzales		3-17-25		2047		Michelle Gonzales		3-18-25		730		AVG Temp °C 4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



envirotech

Client: Devon Energy Production Company, LP				Bill To		Lab Use Only						TAT				EPA Program			
Project: Little Field EM Federal #001				Attention: Jim Raley		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.		E503141		010580007							5 day TAT				
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method											RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	TX	GDOC	State				
Phone: 432-305-6415				Email: jim.raley@dm.com											NM	CO	UT	AZ	TX
Email: NMTXGeoGroup@etechnv.com				WO: 1008021501															
N: 21505				Incident ID: nAB1722934653															
Collected by: Haleigh Blume																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks			
11:00	03.13.25	S	1	BH03	11	0.5'							X						
11:05	03.13.25	S	1	BH03	12	1'							X						
11:10	03.13.25	S	1	BH03	13	2'							X						
11:15	03.13.25	S	1	BH03	14	3'							X						
11:20	03.13.25	S	1	BH03	15	4'							X						
12:40	03.13.25	S	1	BH04	16	0.5'							X						
12:45	03.13.25	S	1	BH04	17	1'							X						
14:05	03.13.25	S	1	BH04	18	2'							X						
14:10	03.13.25	S	1	BH04	19	3'							X						
14:20	03.13.25	S	1	BH04	20	4'							X						

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: HB

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
Michelle Gonzales	3/17/25	1430	Michelle Gonzales	3/17/25	1200	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Michelle Gonzales	3/17/25	1430	Michelle Gonzales	3/17/25	1526	T1 T2 T3
Michelle Gonzales	3/17/25	2047	Caitlynn	3/18/25	1730	AVG Temp °C 4

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

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

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



Envirotech Analytical Laboratory

Printed: 3/18/2025 9:05:12AM

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:	03/18/25 07:30	Work Order ID:	E503141
Phone:	(575) 748-0176	Date Logged In:	03/17/25 14:49	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	03/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Little Field EM Federal #001

Work Order: E506257

Job Number: 01058-0007

Received: 6/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/2/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/2/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Little Field EM Federal #001
Workorder: E506257
Date Received: 6/27/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2025 7:00:00AM, under the Project Name: Little Field EM Federal #001.

The analytical test results summarized in this report with the Project Name: Little Field EM Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	07/02/25 13:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 6'	E506257-01A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
PH02 6'	E506257-02A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
PH03 6'	E506257-03A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/2/2025 1:15:19PM

PH01 6'

E506257-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526140	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526140	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.3 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527038	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/01/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/30/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2527029	
Chloride	693	20.0	1	06/30/25	07/01/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/2/2025 1:15:19PM

PH02 6'

E506257-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526140
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526140
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.5 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527038
Diesel Range Organics (C10-C28)	40.7	25.0	1	06/30/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/01/25	
Surrogate: n-Nonane	102 %	61-141		06/30/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527029
Chloride	1300	20.0	1	06/30/25	07/01/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/2/2025 1:15:19PM

PH03 6'

E506257-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526140	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526140	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.8 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527038	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/01/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/30/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527029	
Chloride	1680	20.0	1	06/30/25	07/01/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/2/2025 1:15:19PM

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 (2526140-BLK1)

Prepared: 06/27/25 Analyzed: 06/28/25

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	7.69		8.00		96.2	70-130			

LCS (2526140-BS1)

Prepared: 06/27/25 Analyzed: 06/28/25

Benzene	4.80	0.0250	5.00		95.9	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.7	70-130			
Toluene	4.75	0.0250	5.00		95.1	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.1	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			

Matrix Spike (2526140-MS1)

Source: E506248-04

Prepared: 06/27/25 Analyzed: 06/28/25

Benzene	5.07	0.0250	5.00	ND	101	70-130			
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	70-130			
Toluene	5.03	0.0250	5.00	ND	101	70-130			
o-Xylene	5.01	0.0250	5.00	ND	100	70-130			
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			

Matrix Spike Dup (2526140-MSD1)

Source: E506248-04

Prepared: 06/27/25 Analyzed: 06/28/25

Benzene	4.89	0.0250	5.00	ND	97.8	70-130	3.65	27	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	70-130	2.60	26	
Toluene	4.86	0.0250	5.00	ND	97.2	70-130	3.43	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	3.17	25	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	70-130	2.51	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.1	70-130	2.73	26	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/2/2025 1:15:19PM

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 (2526140-BLK1)

Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.78		8.00		84.7	70-130			

LCS (2526140-BS2)

Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			

Matrix Spike (2526140-MS2)

Source: E506248-04

Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.4	70-130			

Matrix Spike Dup (2526140-MSD2)

Source: E506248-04

Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	8.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.64		8.00		83.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/2/2025 1:15:19PM

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 (2527038-BLK1)					Prepared: 06/30/25 Analyzed: 07/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.6		50.0		95.1	61-141			

LCS (2527038-BS1)					Prepared: 06/30/25 Analyzed: 07/01/25				
Diesel Range Organics (C10-C28)	236	25.0	250		94.3	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2527038-MS1)					Source: E506262-02		Prepared: 06/30/25 Analyzed: 07/01/25		
Diesel Range Organics (C10-C28)	302	25.0	250	30.2	109	56-156			
Surrogate: n-Nonane	51.1		50.0		102	61-141			

Matrix Spike Dup (2527038-MSD1)					Source: E506262-02		Prepared: 06/30/25 Analyzed: 07/01/25		
Diesel Range Organics (C10-C28)	291	25.0	250	30.2	104	56-156	3.69	20	
Surrogate: n-Nonane	51.9		50.0		104	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/2/2025 1:15:19PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2527029-BLK1)					Prepared: 06/30/25 Analyzed: 07/01/25				
Chloride	ND	20.0							
LCS (2527029-BS1)					Prepared: 06/30/25 Analyzed: 07/01/25				
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2527029-MS1)					Source: E506251-21		Prepared: 06/30/25 Analyzed: 07/01/25		
Chloride	290	20.0	250	36.5	101	80-120			
Matrix Spike Dup (2527029-MSD1)					Source: E506251-21		Prepared: 06/30/25 Analyzed: 07/01/25		
Chloride	293	20.0	250	36.5	103	80-120	1.00	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:	Little Field EM Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	07/02/25 13:15

- 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.



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Envirotech Analytical Laboratory

Printed: 6/27/2025 1:40:58PM

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:	06/27/25 07:00	Work Order ID:	E506257
Phone:	(575) 748-0176	Date Logged In:	06/26/25 15:26	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/03/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

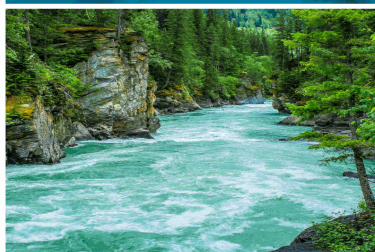
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Little Field EM Federal #001

Work Order: E503142

Job Number: 01058-0007

Received: 3/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

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: 3/24/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Little Field EM Federal #001
Workorder: E503142
Date Received: 3/18/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/18/2025 7:30:00AM, under the Project Name: Little Field EM Federal #001.

The analytical test results summarized in this report with the Project Name: Little Field EM Federal #001 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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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	03/24/25 13:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 0.5'	E503142-01A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH05 1'	E503142-02A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH06 0.5'	E503142-03A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH06 1'	E503142-04A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH07 0.5'	E503142-05A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH07 1'	E503142-06A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH08 0.5'	E503142-07A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.
BH08 1'	E503142-08A	Soil	03/13/25	03/18/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Little Field EM Federal #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 3/24/2025 1:58:38PM
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BH05 0.5'

E503142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.4 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.5 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2512045	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>	99.0 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2512056	
Chloride	39.4	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 1:58:38PM

BH05 1'

E503142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.5 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.0 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2512045	
Diesel Range Organics (C10-C28)	27.4	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>	96.5 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2512056	
Chloride	40.0	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 1:58:38PM

BH06 0.5'

E503142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512045
Diesel Range Organics (C10-C28)	31.0	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	99.0 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512056
Chloride	237	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 1:58:38PM

BH06 1'

E503142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.2 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2512045	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>	101 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2512056	
Chloride	461	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 1:58:38PM

BH07 0.5'

E503142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512045
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	95.5 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512056
Chloride	ND	20.0	1	03/18/25	03/18/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Little Field EM Federal #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 3/24/2025 1:58:38PM
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BH07 1'

E503142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Benzene	ND	0.0250	1	03/18/25	03/18/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/18/25	
Toluene	ND	0.0250	1	03/18/25	03/18/25	
o-Xylene	ND	0.0250	1	03/18/25	03/18/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/18/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2512049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		03/18/25	03/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2512045	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	93.9 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512056	
Chloride	ND	20.0	1	03/18/25	03/18/25	



Sample Data

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

Project Name: Little Field EM Federal #001
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
3/24/2025 1:58:38PM

BH08 0.5'

E503142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Benzene	ND	0.0250	1	03/18/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/19/25	
Toluene	ND	0.0250	1	03/18/25	03/19/25	
o-Xylene	ND	0.0250	1	03/18/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512045
Diesel Range Organics (C10-C28)	27.8	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	95.1 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512056
Chloride	20.3	20.0	1	03/18/25	03/18/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Little Field EM Federal #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 3/24/2025 1:58:38PM
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BH08 1'

E503142-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Benzene	ND	0.0250	1	03/18/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/18/25	03/19/25	
Toluene	ND	0.0250	1	03/18/25	03/19/25	
o-Xylene	ND	0.0250	1	03/18/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/18/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/18/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2512049
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		03/18/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512045
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
	95.4 %	61-141		03/18/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512056
Chloride	ND	20.0	1	03/18/25	03/18/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 1:58:38PM

Volatile Organics by EPA 8021B

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 (2512049-BLK1)

Prepared: 03/18/25 Analyzed: 03/18/25

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	7.84		8.00		98.1	70-130			

LCS (2512049-BS1)

Prepared: 03/18/25 Analyzed: 03/18/25

Benzene	5.70	0.0250	5.00		114	70-130			
Ethylbenzene	5.47	0.0250	5.00		109	70-130			
Toluene	5.61	0.0250	5.00		112	70-130			
o-Xylene	5.47	0.0250	5.00		109	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.1	70-130			

Matrix Spike (2512049-MS1)

Source: E503142-02

Prepared: 03/18/25 Analyzed: 03/18/25

Benzene	5.13	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.92	0.0250	5.00	ND	98.3	70-130			
Toluene	5.04	0.0250	5.00	ND	101	70-130			
o-Xylene	4.92	0.0250	5.00	ND	98.4	70-130			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

Matrix Spike Dup (2512049-MSD1)

Source: E503142-02

Prepared: 03/18/25 Analyzed: 03/18/25

Benzene	5.36	0.0250	5.00	ND	107	70-130	4.51	27	
Ethylbenzene	5.17	0.0250	5.00	ND	103	70-130	5.07	26	
Toluene	5.29	0.0250	5.00	ND	106	70-130	4.74	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	4.94	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	5.20	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	5.11	26	
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 1:58:38PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2512049-BLK1) Prepared: 03/18/25 Analyzed: 03/18/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

LCS (2512049-BS2) Prepared: 03/18/25 Analyzed: 03/21/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

Matrix Spike (2512049-MS2) Source: E503142-02 Prepared: 03/18/25 Analyzed: 03/21/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike Dup (2512049-MSD2) Source: E503142-02 Prepared: 03/18/25 Analyzed: 03/21/25

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130	4.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 1:58:38PM

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 (2512045-BLK1)					Prepared: 03/18/25 Analyzed: 03/19/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.5		50.0		97.1	61-141			

LCS (2512045-BS1)					Prepared: 03/18/25 Analyzed: 03/19/25				
Diesel Range Organics (C10-C28)	259	25.0	250		104	66-144			
Surrogate: n-Nonane	47.8		50.0		95.5	61-141			

Matrix Spike (2512045-MS1)					Source: E503142-01		Prepared: 03/18/25 Analyzed: 03/19/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			

Matrix Spike Dup (2512045-MSD1)					Source: E503142-01		Prepared: 03/18/25 Analyzed: 03/19/25		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	56-156	5.37	20	
Surrogate: n-Nonane	50.9		50.0		102	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Little Field EM Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/24/2025 1:58:38PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2512056-BLK1)					Prepared: 03/18/25 Analyzed: 03/18/25				
Chloride	ND	20.0							
LCS (2512056-BS1)					Prepared: 03/18/25 Analyzed: 03/18/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512056-MS1)					Source: E503142-03		Prepared: 03/18/25 Analyzed: 03/18/25		
Chloride	517	20.0	250	237	112	80-120			
Matrix Spike Dup (2512056-MSD1)					Source: E503142-03		Prepared: 03/18/25 Analyzed: 03/18/25		
Chloride	430	20.0	250	237	77.0	80-120	18.4	20	M2

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:	Little Field EM Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/24/25 13:58

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client: Devon Energy Production Company, LP				Bill To		Lab Use Only				TAT				EPA Program										
Project: Little Field EM Federal #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA									
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.		E503142		01058-0007					5 day TAT											
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA									
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502											State									
Phone: 432-305-6415				Email: jim.raley@devn.com											NM		CO		UT		AZ		TX	
Email: NMTXGeoGroup@etechnv.com				WO: 1008021501																				
PN: 21505				Incident ID: nAB1722934653		Depth(ft.)		TPH GRO/DRO/ORO by 8015		BTX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		GDOC TX				
Collected by: Haleigh Blume																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																		
11:45	03.13.25	S	1	BH05	1	0.5'																		
11:50	03.13.25	S	1	BH05	2	1'																		
12:00	03.13.25	S	1	BH06	3	0.5'																		
12:05	03.13.25	S	1	BH06	4	1'																		
12:30	03.13.25	S	1	BH07	5	0.5'																		
12:35	03.13.25	S	1	BH07	6	1'																		
13:30	03.13.25	S	1	BH08	7	0.5'																		
13:35	03.13.25	S	1	BH08	8	1'																		
Additional Instructions:																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.												
Sampled by: HB												Lab Use Only												
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on ice: (Y) N								
Michelle Blume				03/17/25		1200		Michelle Gonzales				3-17-25		1200										
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		T1 T2 T3								
Michelle Gonzales				3-17-25		1430		Michelle Gonzales				3-17-25		1526										
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		AVG Temp °C								
Michelle Gonzales				3-17-25		2047		Michelle Gonzales				3-18-25		1730		4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								



Envirotech Analytical Laboratory

Printed: 3/18/2025 9:09:29AM

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:	03/18/25 07:30	Work Order ID:	E503142
Phone:	(575) 748-0176	Date Logged In:	03/17/25 14:55	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	03/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

APPENDIX G

Correspondence & Notifications

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 440034

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 440034
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1722934653
Incident Name	NAB1722934653 LITTLEFIELD EM FED 1 @ 30-015-21996
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-21996] LITTLEFIELD EM FEDERAL #001

Location of Release Source	
Site Name	LITTLEFIELD EM FED 1
Date Release Discovered	07/29/2017
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,692
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection Westall Rd and Shugart Rd, head south on Shugart Rd for 1.7 miles, turn right and continue for 0.1 miles, continue straight for 0.1 miles.

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

CONDITIONS

Action 440034

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 440034
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/6/2025

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

QUESTIONS

Action 477058

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 477058
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1722934653
Incident Name	NAB1722934653 LITTLEFIELD EM FED 1 @ 30-015-21996
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-21996] LITTLEFIELD EM FEDERAL #001

Location of Release Source	
Site Name	LITTLEFIELD EM FED 1
Date Release Discovered	07/29/2017
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,692
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/25/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection Westall Rd and Shugart Rd, head south on Shugart Rd for 1.7 miles, turn right and continue for 0.1 miles, continue straight for 0.1 miles.

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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 477058

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 477058
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/19/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/19/2025

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 507022

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507022
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1722934653
Incident Name	NAB1722934653 LITTLEFIELD EM FED 1 @ 30-015-21996
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-21996] LITTLEFIELD EM FEDERAL #001

Location of Release Source

Please answer all the questions in this group.

Site Name	LITTLEFIELD EM FED 1
Date Release Discovered	07/29/2017
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 26 BBL Recovered: 25 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 507022

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507022
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.ralej@dv.com Date: 09/18/2025
--	---

Sante Fe Main Office
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 507022

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507022
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3770
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2250
GRO+DRO (EPA SW-846 Method 8015M)	2250
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	12/31/2025
On what date will (or did) the final sampling or liner inspection occur	06/25/2025
On what date will (or was) the remediation complete(d)	12/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	1879
What is the estimated volume (in cubic yards) that will be reclaimed	308
What is the estimated surface area (in square feet) that will be remediated	1879
What is the estimated volume (in cubic yards) that will be remediated	308
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

QUESTIONS, Page 4

Action 507022

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507022
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 09/18/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
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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, Page 5

Action 507022

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507022
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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Oil Conservation Division
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QUESTIONS, Page 6

Action 507022

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507022
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	477058
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/25/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	1692

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

CONDITIONS

Action 507022

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507022
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved on 9/29/2025. Submit a remediation closure report that fulfills the requirements of 19.15.29.12.E NMAC to the OCD by 12/29/2025.	9/29/2025