



# CLOSURE REQUEST REPORT

*Prepared For:*

*Devon Energy Production Company, LP*

5315 Buena Vista Dr.

Carlsbad, NM 88220

*Site Information:*

**Flagler 8 CTB 1**

**Incident Number nAPP2426227823**

*Unit M, Section 08, Township 25 South, Range 33 East*

*Lea County, New Mexico*

*(32.140865°, -103.601115°)*

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## SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Closure Request Report (CRR) detailing Site assessment and delineation soil sampling activities associated with an inadvertent release of produced water at the Flagler 8 CTB 1 (Site). Based on laboratory analytical results from delineation soil sampling activities, Devon is requesting No Further Action (NFA) for Incident Number nAPP2426227823.

## SITE LOCATION AND RELEASE BACKGROUND

The facility (fAPP2122855254) for the Site is located in O, Section 8, Township 25 South, Range 33 East, in Lea County, New Mexico (32.13873°, -103.59416°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM). The subject release is located northwest of the facility's coordinates in Unit M, Section 8, Township 25 South, Range 33 East, in Lea County, New Mexico (32.140865°, -103.601115°), which is depicted on **Figure 1** in **Appendix A**.

On September 17, 2024, a hole in a basket strainer caused a release of approximately 566 barrels (bbls) of produced water into the secondary lined containment. All fluids were contained within the secondary lined containment and were successfully recovered via vacuum truck. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) on September 18, 2024, and Corrective Action Form (Form C-141) on September 19, 2024, respectively, and was subsequently assigned Incident Number nAPP2426227823. **Figure 2** in **Appendix A** depicts the observed Area of Concern (AOC) associated with the release.

## 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 at the Site is estimated to be between 51 and 100 feet below ground surface (bgs) based off a nearby soil boring advanced by Atkins Engineering Associates, Inc., located approximately ½-mile southeast of the Site. Soil boring (C-04627-POD1) was advanced on June 7, 2022, via a truck mounted drill rig equipped with a hollow stem auger to total depth of 55 feet bgs. No fluids were observed throughout the drilling process nor after a 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**.

All potential receptors 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 results from the desktop review and estimated depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria <sup>†</sup>
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-Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B/8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B/8260B	50 mg/kg

<sup>†</sup>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.

## LINER INTEGRITY INSPECTION

On September 19, 2024, the NMOCD was notified of a scheduled liner inspection via the NMOCD web portal, per Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC.

On September 21, 2024, the secondary lined containment where the release occurred, was power washed to prepare for the liner inspection.

On September 26, 2024, Etech conducted an inspection to assess the integrity of the secondary lined containment. Etech personnel visually inspected the liner for possible breaches on all sides and the base of the containment. Upon inspection, a total of three breaches within the liner, including a part of the western wall located in the inside of the secondary lined containment was compromised. There were no signs outside the secondary lined containment indicative that the liner had been breached. Photographic documentation of liner inspection activities is included in **Appendix D**.

## DELINEATION SOIL SAMPLING ACTIVITIES

On October 10, 2024, Etech revisited the Site to assess the presence or absence of soil beneath the lined containment area, and surrounding area of the secondary lined containment. Etech utilized a hand auger to advance two (2) delineation soil samples (BH01 and BH02) at the locations of the tears identified during the liner inspection and six (6) delineation soil samples (BH03 through BH08), immediately surrounding the secondary lined containment area to confirm the release was contained. Delineation activities were driven in accordance with Site Closure Criteria or until refusal 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 concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown 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.

## DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples indicated all analyzed COCs were below the Site Closure Criteria. 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**.

## CLOSURE REQUEST

Following delineation activities and review of laboratory analytical results, the secondary lined containment was repaired. Upon inspection after repair, the secondary lined containment was found to be in satisfactory condition. Laboratory analytical results associated with delineation activities for the inadvertent release have verified the absence of residual impacts above the Site Closure Criteria, as well as defined the horizontal periphery of the AOC. All fluids were recovered during initial response efforts.

Based on initial response efforts and laboratory analytical results, Devon believes that remedial actions completed at the Site set forth in NMAC 19.15.29.13 regulations is equally protective of human health, the environment, and groundwater. As such, NFA appears warranted at this time and the CRR associated with Incident Number nAPP2426227823 should be respectfully considered for closure by the NMOCD.

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

Sincerely,  
Etech Environmental and Safety Solutions, Inc.



Erick Herrera  
Project Geologist



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 Map – Groundwater
  - Figure 1B: Site Characterization Map – Surficial Receptors
  - Figure 1C: Site Characterization Map – Subsurface Receptors
  - Figure 2: Delineation Soil Sample Locations
- 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

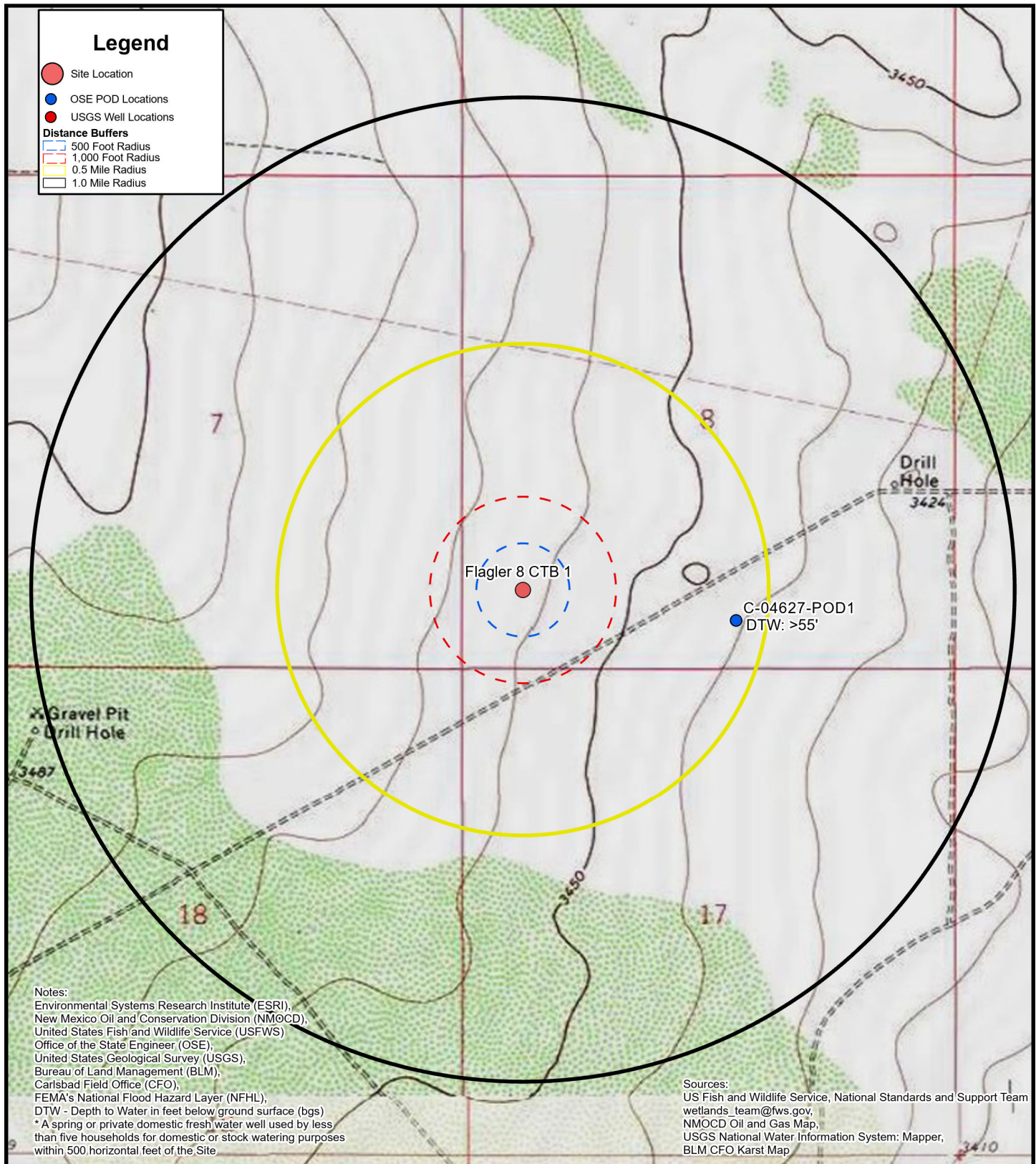
Closure Request Report  
Incident Number nAPP2426227823  
Flagler 8 CTB 1



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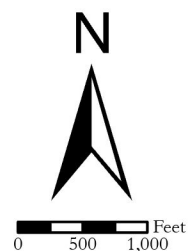
# APPENDIX A

## Figures

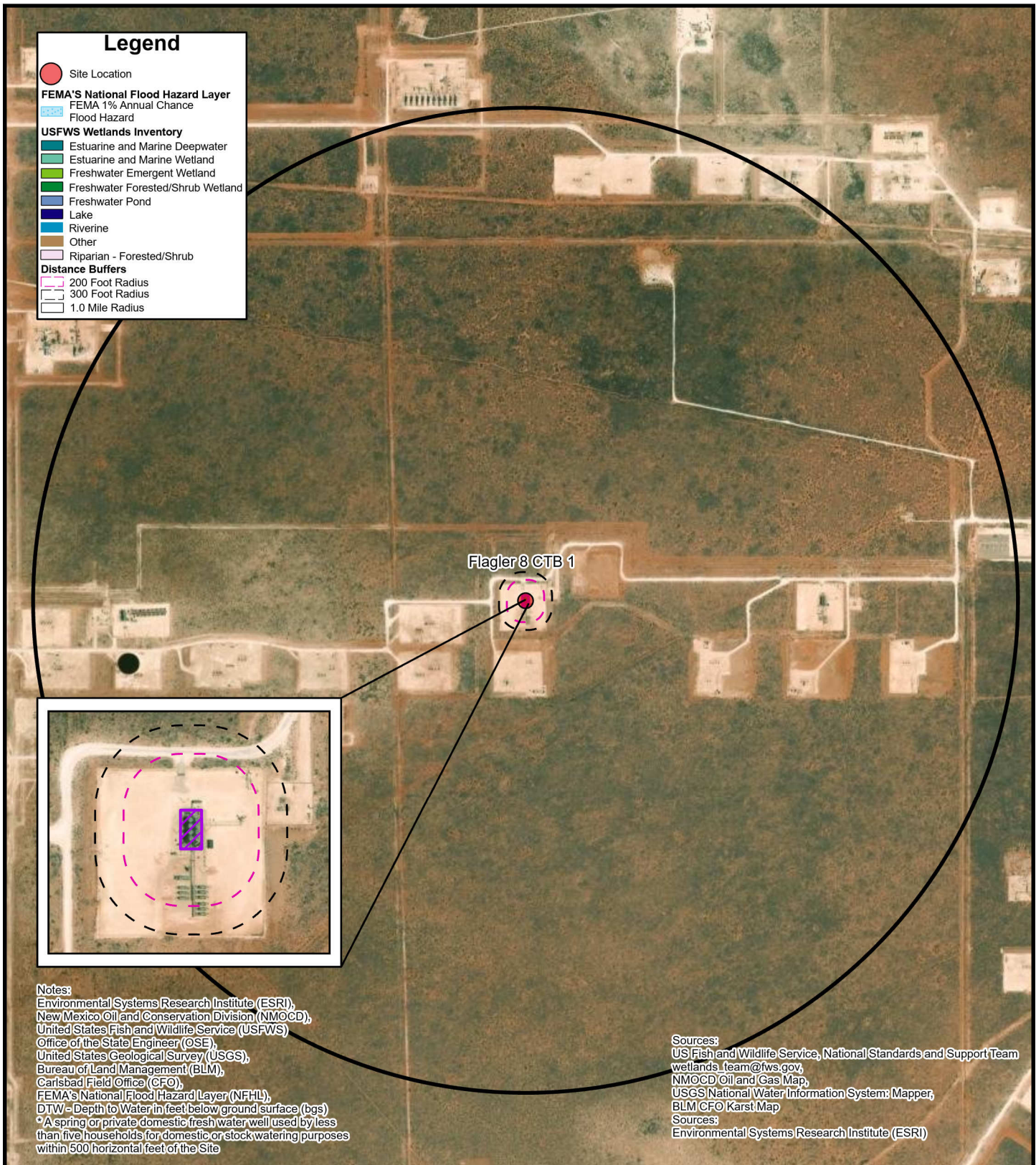


# FIGURE 1A Site Characterization Map Groundwater

Devon Energy Production Company, LP  
Flagler 8 CTB 1  
Unit M Sec 8 T25S R33E  
Lea County, New Mexico

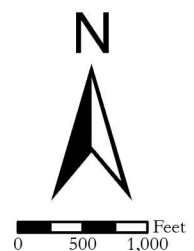


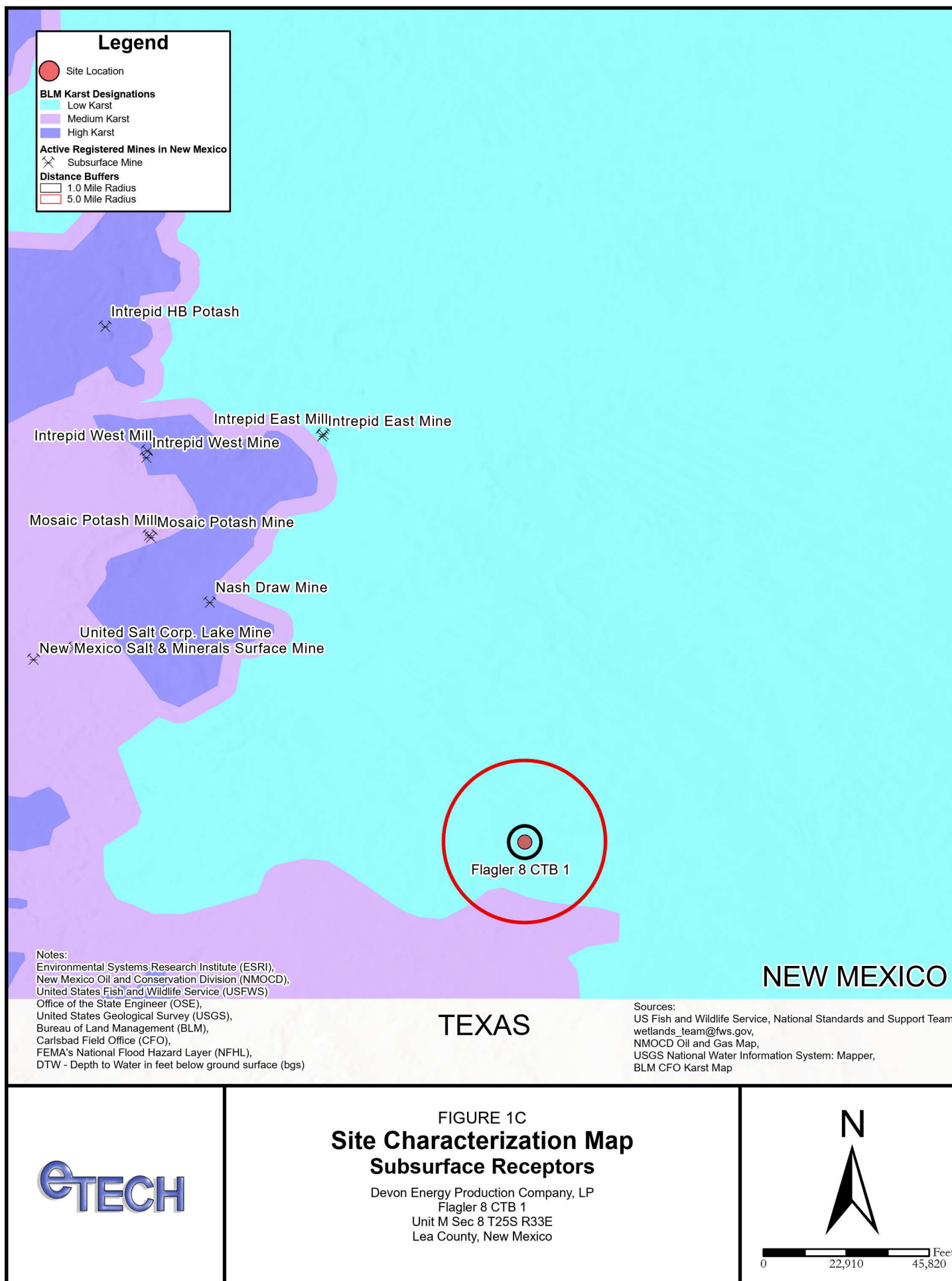




# FIGURE 1B Site Characterization Map Surficial Receptors

Devon Energy Production Company, LP  
 Flagler 8 CTB 1  
 Unit M Sec 8 T25S R33E  
 Lea County, New Mexico







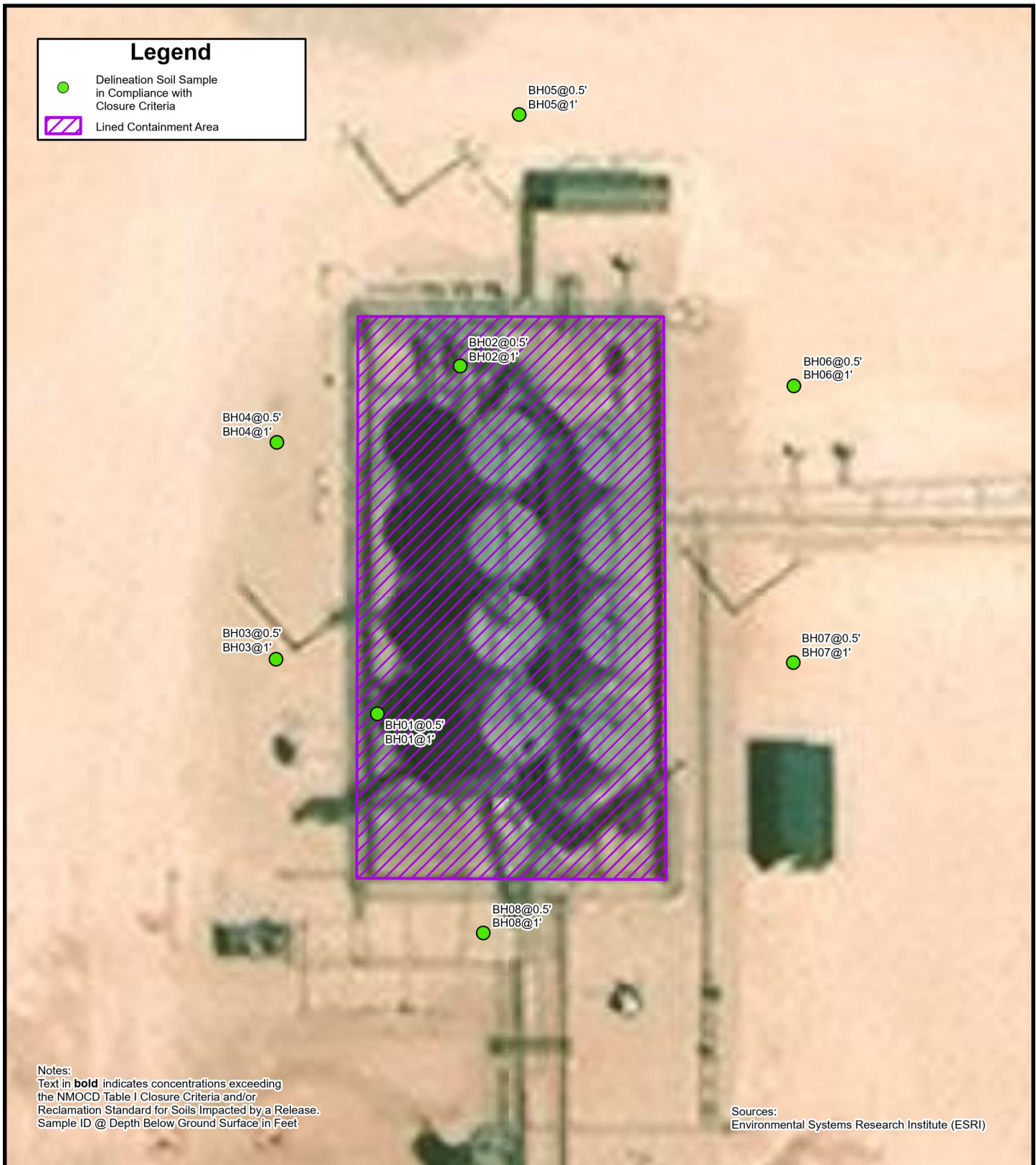
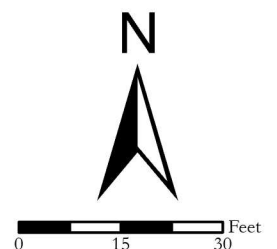


FIGURE 2

## Delineation Soil Sample Locations

Devon Energy Production Co, LP  
Flagler 8 CTB 1  
Unit M Sec 8 T25S R33E  
Lea County, New Mexico

**eTECH**



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## APPENDIX B

### Referenced Well Records



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4627			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY STATE ZIP Artesia NM 88210			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 8	20.92	N		
		LONGITUDE	103	35	36.25	W		
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SE Sec.8 T25S R33S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/7/2022		DRILLING ENDED 6/7/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	
	DEPTH WATER FIRST ENCOUNTERED (FT) N/A							
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DATE STATIC MEASURED 6/13/2022							
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55							
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		

FOR OSE INTERNAL USE

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

FILE NO. C-4627-POD 1	POD NO. 1	TRN NO. 726174
LOCATION 25.33.08.334	WELL TAG ID NO.	PAGE 1 OF 2



	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <b>(attach supplemental sheets to fully describe all units)</b>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO					
<b>4. HYDROGEOLOGIC LOG OF WELL</b>	0	7	7	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y    ✓ N		
	7	24	17	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink	Y    ✓ N		
	24	55	31	Caliche, with Fine-grained sand, well consolidated, 7.5 YR 7/4, Pink	Y    ✓ N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	<b>5. TEST; RIG SUPERVISION</b>	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION:  Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 26 Flagler 8 Fed 20							
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt							
<b>6. SIGNATURE</b>	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  Jackie Atkins Jackie D. Atkins 6/16/2022 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE						

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

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

Trn Nbr: 726174  
File Nbr: C 04627  
Well File Nbr: C 04627 POD1

Jun. 18, 2022

DALE WOODALL  
DEVON ENERGY  
6488 7 RIVERS HWY  
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/18/2022, stating that it had been completed on 06/07/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral  
(575) 622-6521

drywell



2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
www.atkinseng.com

June 8, 2022

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record C-4627 Pod1 at Flagler 8 Fed 20

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4627 Pod1.

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is fluid and cursive.

Lucas Middleton

Enclosures: as noted above

OSE DII JUN 16 2022 PM3:10

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# APPENDIX C

## Soil Sampling Logs



Sample Name: BH01

Date: 10/09/2024

Site Name: Flagler 8 CTB 1

Incident Number: nAPP2426227823

Job Number: 21178

**LITHOLOGIC / SOIL SAMPLING LOG**

Logged By: HB

Method: Hand Auger

Site Coordinates: 32.140669, -103.601161


Hole Diameter: 3.25"

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
Moist	2,924	1.1	Yes	BH01	0.5	0.5	SM	(0-1') Sand, moist, tan, well graded with some silt, very fine to fine grain, granular, low plasticity, low cohesiveness, trace organic, staining and odor present.
Moist	1,232	0.3	No	BH01	1	1		@1' Staining and odor are no longer present.


Total Depth


								Sample Name: BH02		Date: 10/09/2024					
								Site Name: Flagler 8 CTB 1							
								Incident Number: nAPP2426227823							
								Job Number: 21178							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: HB		Method: Hand Auger					
Site Coordinates: 32.140864, -103.601106								Hole Diameter: 3.25"		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							
Moist	2,168	0	Yes	BH02	0.5	0.5	SM	(0-1') Sand, moist, tan, well graded with some silt, very fine to fine grain, granular, low plasticity, low cohesiveness, trace organic, no odor but staining present. @1' Staining is no longer present.							
Moist	504	0.3	No	BH02	1	1									
Total Depth															





					Sample Name: BH03		Date: 10/09/2024	
					Site Name: Flagler 8 CTB 1			
					Incident Number: nAPP2426227823			
					Job Number: 21178			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: HB		Method: Hand Auger	
Site Coordinates: 32.140699, -103.601229					Hole Diameter: 3.25"		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	120	0.2	No	BH03	0.5	0.5	CCHE	(0-1') Caliche, dry, tan, well graded with some silt, fine to coarse grain, granular, low plasticity, low cohesiveness, trace organic, no odor or staining present.
Dry	120	0.1	No	BH03	1	1		
Total Depth								




								Sample Name: BH04		Date: 10/09/2024					
								Site Name: Flagler 8 CTB 1							
								Incident Number: nAPP2426227823							
								Job Number: 21178							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: HB		Method: Hand Auger					
Site Coordinates: 32.140821, -103.601228								Hole Diameter: 3.25"		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	120	0.1	No	BH04	0.5	0.5	CCHE	(0-1') Caliche, dry, tan, well graded with some silt, fine to coarse grain, granular, low plasticity, low cohesiveness, trace organic, no odor or staining present.							
Dry	<120	0.1	No	BH04	1	1									
Total Depth															

								Sample Name: BH05		Date: 10/09/2024					
								Site Name: Flagler 8 CTB 1							
								Incident Number: nAPP2426227823							
								Job Number: 21178							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: HB		Method: Hand Auger					
Site Coordinates: 32.141005, -103.601067								Hole Diameter: 3.25"		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	<120	0.1	No	BH05	0.5	0.5	CCHE	(0-1') Caliche, dry, tan, well graded with some silt, fine to coarse grain, granular, low plasticity, low cohesiveness, trace organic, no odor or staining present.							
Dry	<120	0.1	No	BH05	1	1									
Total Depth															

								Sample Name: BH06		Date: 10/09/2024					
								Site Name: Flagler 8 CTB 1							
								Incident Number: nAPP2426227823							
								Job Number: 21178							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: HB		Method: Hand Auger					
Site Coordinates: 32.140853, -103.600885								Hole Diameter: 3.25"		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	<120	0.5	No	BH06	0.5	0.5	CCHE	(0-1') Caliche, dry, tan, well graded with some silt, fine to coarse grain, granular, low plasticity, low cohesiveness, trace organic, no odor or staining present.							
Dry	<120	0.3	No	BH06	1	1									
Total Depth															

								Sample Name: BH07		Date: 10/09/2024					
								Site Name: Flagler 8 CTB 1							
								Incident Number: nAPP2426227823							
								Job Number: 21178							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: HB		Method: Hand Auger					
Site Coordinates: 32.140697, -103.600886								Hole Diameter: 3.25"		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	<120	0.2	No	BH07	0.5	0.5	CCHE	(0-1') Caliche, dry, tan, well graded with some silt, fine to coarse grain, granular, low plasticity, low cohesiveness, trace organic, no odor or staining present.							
Dry	<120	0.1	No	BH07	1	1									
Total Depth															

								Sample Name: BH08		Date: 10/09/2024					
								Site Name: Flagler 8 CTB 1							
								Incident Number: nAPP2426227823							
								Job Number: 21178							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: HB		Method: Hand Auger					
Site Coordinates: 32.140568, -103.601128								Hole Diameter: 3.25"		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	<120	0	No	BH08	0.5	0.5	CCHE	(0-1') Caliche, dry, tan, well graded with some silt, fine to coarse grain, granular, low plasticity, low cohesiveness, trace organic, no odor or staining present.							
Dry	144	0.1	No	BH08	1	1									
Total Depth															

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# APPENDIX D

## Photographic Log

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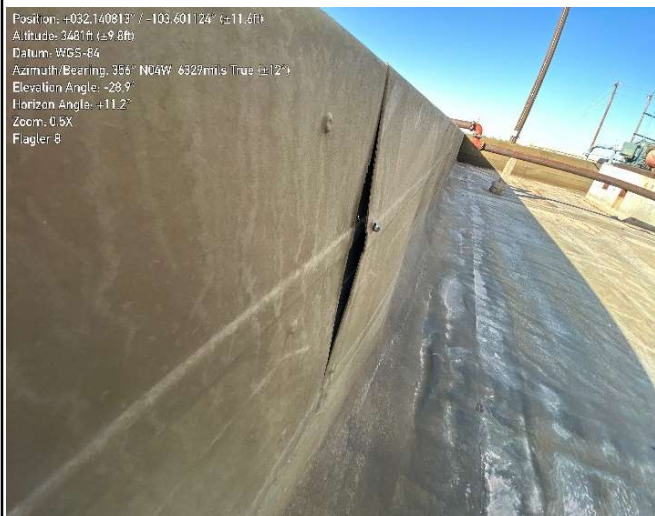
**PHOTOGRAPHIC LOG**

Devon Energy Production Company, LP

Flagler 8 CTB 1

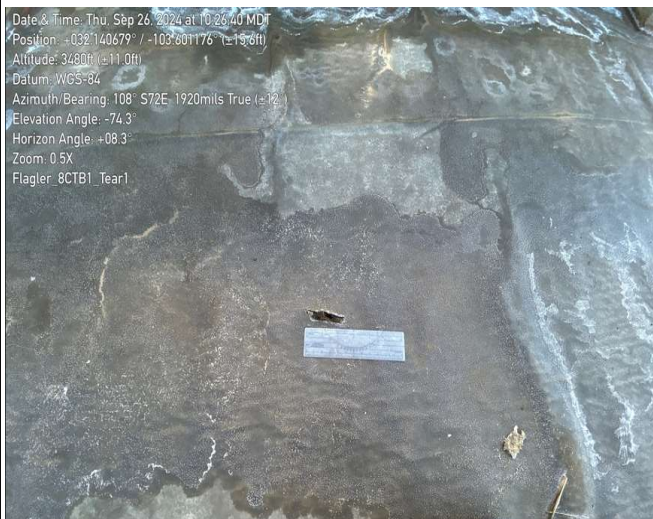
Incident Number: nAPP2426227823

Position: +032.140813° / -103.601124° (±11.6ft)  
 Altitude: 3481ft (±9.6ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 355° N04W 6329mils True (±12°)  
 Elevation Angle: +28.9°  
 Horizon Angle: +11.2°  
 Zoom: 0.5X  
 Flagler 8

**Photograph 1****Date: 09/26/2024**

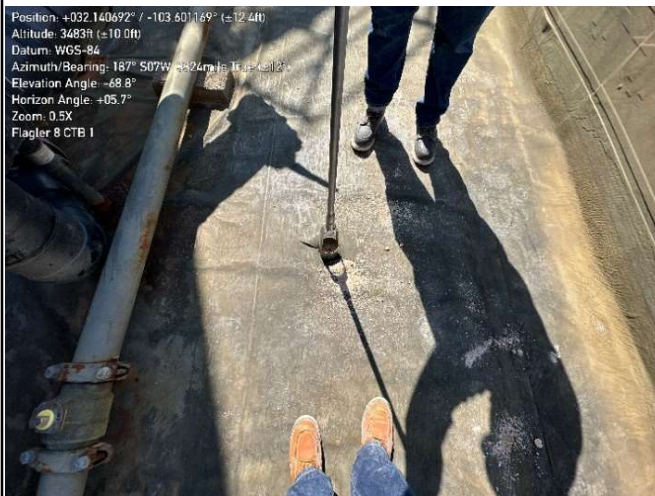
Description: Northwestern view during liner inspection activities.

Date & Time: Thu, Sep 26, 2024 at 10:26:40 MDZ  
 Position: +032.140679° / -103.601176° (±15.6ft)  
 Altitude: 3480ft (±11.0ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 108° S72E 1920mils True (±12°)  
 Elevation Angle: -74.3°  
 Horizon Angle: +08.3°  
 Zoom: 0.5X  
 Flagler 8CTB1\_Tear1

**Photograph 2****Date: 09/26/2024**

Description: Southeastern view during liner inspection activities.

Position: +032.140692° / -103.601169° (±12.4ft)  
 Altitude: 3483ft (±10.0ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 187° S07W 3324mils True (±12°)  
 Elevation Angle: -68.8°  
 Horizon Angle: +05.7°  
 Zoom: 0.5X  
 Flagler 8 CTB 1

**Photograph 3****Date: 10/09/2024**

Description: Southwestern view during delineation activities.

Position: +032.140883° / -103.600865° (±32.8ft)  
 Altitude: 3461ft (±62.3ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 166° S15E 2438mils True (±12°)  
 Elevation Angle: -72.6°  
 Horizon Angle: -07.5°  
 Zoom: 0.5X  
 Flagler 8

**Photograph 4****Date: 10/09/2024**

Description: Southeastern view during delineation activities.



**PHOTOGRAPHIC LOG**

Devon Energy Production Company, LP

Flagler 8 CTB 1

Incident Number: nAPP2426227823

Position: +032.10087 / -100.60867 / 132.80  
 Altitude: 3459.1 m (11315 ft)  
 Datum: WGS-84  
 Azimuth Bearing: 120.5100° (Azimuth True 120.5100°)  
 Elevation Angle: 62.310°  
 Horizon Angle: 0.000°  
 Zoom: 0.00  
 Flagler 8

**Photograph 5****Date: 10/09/2024**

Description: Southeastern view of delineation activities.

Position: +032.10087 / -100.60867 / 132.80  
 Altitude: 3459.1 m (11315 ft)  
 Datum: WGS-84  
 Azimuth Bearing: 120.5100° (Azimuth True 120.5100°)  
 Elevation Angle: 62.310°  
 Horizon Angle: 0.000°  
 Zoom: 0.00  
 Flagler 8

**Photograph 6****Date: 10/09/2024**

Description: Southeastern view of delineation activities.

Position: +032.10087 / -100.60867 / 132.80  
 Altitude: 3459.1 m (11315 ft)  
 Datum: WGS-84  
 Azimuth Bearing: 120.5100° (Azimuth True 120.5100°)  
 Elevation Angle: 62.310°  
 Horizon Angle: 0.000°  
 Zoom: 0.00  
 Flagler 8

**Photograph 7****Date: 11/15/2024**

Description: Northwestern view of repaired wall.

Position: +032.10087 / -100.60867 / 132.80  
 Altitude: 3459.1 m (11315 ft)  
 Datum: WGS-84  
 Azimuth Bearing: 120.5100° (Azimuth True 120.5100°)  
 Elevation Angle: 62.310°  
 Horizon Angle: 0.000°  
 Zoom: 0.00  
 Flagler 8

**Photograph 8****Date: 11/15/2024**

Description: Southwestern view of repaired liner.

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# APPENDIX E

## Tables



**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Devon Energy Production Company, LP**  
**Flagler 8 CTB 1**  
**Lea 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)	Lab Report Number
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	NA
Delineation Soil Samples - nAPP2426227823											
BH01	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,940	E410098
BH01	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	751	E410098
BH02	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,680	E410098
BH02	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	886	E410098
BH03	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	247	E410098
BH03	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	310	E410098
BH04	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174	E410098
BH04	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	183	E410098
BH05	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.5	E410098
BH05	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	130	E410098
BH06	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.1	E410098
BH06	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.8	E410098
BH07	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	60.2	E410098
BH07	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.9	E410098
BH08	10/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	427	E410108
BH08	10/09/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	362	E410108

**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 Standard<sup>1</sup> for Soils Impacted by a Release

<sup>1</sup> 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.

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## APPENDIX F

### Laboratory Analytical Reports & Chain-of-Custody Documentation

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Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Flagler 8 CTB

Work Order: E410098

Job Number: 01058-0007

Received: 10/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/16/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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





Date Reported: 10/16/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Flagler 8 CTB  
Workorder: E410098  
Date Received: 10/11/2024 8:00:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/11/2024 8:00:00AM, under the Project Name: Flagler 8 CTB.

The analytical test results summarized in this report with the Project Name: Flagler 8 CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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## Sample Summary

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/16/24 11:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 0.5'	E410098-01A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH01 - 1'	E410098-02A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH02 - 0.5'	E410098-03A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH02 - 1'	E410098-04A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH03 - 0.5'	E410098-05A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH03 - 1'	E410098-06A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH04 - 0.5'	E410098-07A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH04 - 1'	E410098-08A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH05 - 0.5'	E410098-09A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH05 - 1'	E410098-10A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH06 - 0.5'	E410098-11A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH06 - 1'	E410098-12A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH07 - 0.5'	E410098-13A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH07 - 1'	E410098-14A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/16/2024 11:45:55AM
---	---	------------------------------------

BH01 - 0.5'  
E410098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Benzene	ND	0.0250	1	10/11/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/11/24	
Toluene	ND	0.0250	1	10/11/24	10/11/24	
o-Xylene	ND	0.0250	1	10/11/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		117 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		117 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2441086	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		86.0 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2441081	
Chloride	4940	40.0	2	10/11/24	10/11/24	

## Sample Data

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

Project Name: Flagler 8 CTB  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
10/16/2024 11:45:55AM

BH01 - 1'

E410098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/11/24	
Toluene	ND	0.0250	1	10/11/24	10/11/24	
o-Xylene	ND	0.0250	1	10/11/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		119 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		119 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		60.7 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	751	20.0	1	10/11/24	10/11/24	



## Sample Data

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

Project Name: Flagler 8 CTB  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
10/16/2024 11:45:55AM

BH02 - 0.5'

E410098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/11/24	
Toluene	ND	0.0250	1	10/11/24	10/11/24	
o-Xylene	ND	0.0250	1	10/11/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		108 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		108 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		72.6 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	1680	40.0	2	10/11/24	10/11/24	



## Sample Data

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

Project Name: Flagler 8 CTB  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
10/16/2024 11:45:55AM

BH02 - 1'

E410098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/11/24	
Toluene	ND	0.0250	1	10/11/24	10/11/24	
o-Xylene	ND	0.0250	1	10/11/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		114 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		111 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/11/24	
Surrogate: Bromofluorobenzene		114 %	70-130	10/11/24	10/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	10/11/24	10/11/24	
Surrogate: Toluene-d8		111 %	70-130	10/11/24	10/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		80.3 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	886	20.0	1	10/11/24	10/11/24	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/16/2024 11:45:55AM
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BH03 - 0.5'  
E410098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		118 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		118 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		94.5 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	247	20.0	1	10/11/24	10/11/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported: 10/16/2024 11:45:55AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

BH03 - 1'

E410098-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2441086	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		95.8 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2441081	
Chloride	310	20.0	1	10/11/24	10/11/24	



## Sample Data

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

Project Name: Flagler 8 CTB  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
10/16/2024 11:45:55AM

BH04 - 0.5'

E410098-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		97.9 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	174	20.0	1	10/11/24	10/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/16/2024 11:45:55AM
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BH04 - 1'

E410098-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		90.5 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	183	20.0	1	10/11/24	10/11/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported: 10/16/2024 11:45:55AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

BH05 - 0.5'  
E410098-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2441086	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		89.9 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2441081	
Chloride	98.5	20.0	1	10/11/24	10/11/24	





## Sample Data

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

Project Name: Flagler 8 CTB  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
10/16/2024 11:45:55AM

BH05 - 1'

E410098-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		93.7 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	130	20.0	1	10/11/24	10/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/16/2024 11:45:55AM
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BH06 - 0.5'  
E410098-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2441086	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		98.5 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2441081	
Chloride	82.1	20.0	1	10/11/24	10/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/16/2024 11:45:55AM
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BH06 - 1'

E410098-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		109 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		97.0 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	78.8	20.0	1	10/11/24	10/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/16/2024 11:45:55AM
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BH07 - 0.5'  
E410098-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2441083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2441086	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		95.2 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2441081	
Chloride	60.2	20.0	1	10/11/24	10/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/16/2024 11:45:55AM
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BH07 - 1'

E410098-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/11/24	10/12/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/11/24	
Surrogate: n-Nonane		93.9 %	50-200	10/11/24	10/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2441081
Chloride	69.9	20.0	1	10/11/24	10/11/24	





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/16/2024 11:45:55AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2441083-BLK1)

Prepared: 10/11/24 Analyzed: 10/12/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

LCS (2441083-BS1)

Prepared: 10/11/24 Analyzed: 10/12/24

Benzene	2.78	0.0250	2.50		111	70-130			
Ethylbenzene	2.66	0.0250	2.50		106	70-130			
Toluene	2.70	0.0250	2.50		108	70-130			
o-Xylene	2.80	0.0250	2.50		112	70-130			
p,m-Xylene	5.55	0.0500	5.00		111	70-130			
Total Xylenes	8.34	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

LCS Dup (2441083-BSD1)

Prepared: 10/11/24 Analyzed: 10/12/24

Benzene	2.87	0.0250	2.50		115	70-130	3.08	23	
Ethylbenzene	2.79	0.0250	2.50		112	70-130	4.94	27	
Toluene	2.83	0.0250	2.50		113	70-130	4.57	24	
o-Xylene	2.93	0.0250	2.50		117	70-130	4.65	27	
p,m-Xylene	5.86	0.0500	5.00		117	70-130	5.45	27	
Total Xylenes	8.78	0.0250	7.50		117	70-130	5.18	27	
Surrogate: Bromofluorobenzene	0.600		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/16/2024 11:45:55AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2441083-BLK1) Prepared: 10/11/24 Analyzed: 10/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

LCS (2441083-BS2) Prepared: 10/11/24 Analyzed: 10/12/24

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.3	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

LCS Dup (2441083-BSD2) Prepared: 10/11/24 Analyzed: 10/12/24

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130	13.5	20	
Surrogate: Bromofluorobenzene	0.592		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/16/2024 11:45:55AM

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 (2441086-BLK1)					Prepared: 10/11/24 Analyzed: 10/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.7	50-200			

LCS (2441086-BS1)					Prepared: 10/11/24 Analyzed: 10/11/24				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

Matrix Spike (2441086-MS1)					Source: E410098-01		Prepared: 10/11/24 Analyzed: 10/11/24		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike Dup (2441086-MSD1)					Source: E410098-01		Prepared: 10/11/24 Analyzed: 10/11/24		
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	2.53	20	
Surrogate: n-Nonane	49.5		50.0		98.9	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/16/2024 11:45:55AM

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 (2441081-BLK1)					Prepared: 10/11/24 Analyzed: 10/11/24				
Chloride	ND	20.0							
LCS (2441081-BS1)					Prepared: 10/11/24 Analyzed: 10/11/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2441081-MS1)					Source: E410098-02		Prepared: 10/11/24 Analyzed: 10/11/24		
Chloride	1320	20.0	250	751	229	80-120			M4
Matrix Spike Dup (2441081-MSD1)					Source: E410098-02		Prepared: 10/11/24 Analyzed: 10/11/24		
Chloride	1500	20.0	250	751	299	80-120	12.3	20	M4

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:	Flagler 8 CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	10/16/24 11:45

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





Client: <u>Devon Energy</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Flagler 9 CTB</u>		Attention: Jim Raley		Lab WO# <u>E410098</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Erick Herrera</u>		Address: 5315 Buena Vista Dr.									<u>5 day TAT</u>		
Address: <u>4154-10 Seven Rivers Hwy</u>		City, State, Zip: <u>Carlsbad, NM 88220</u>										RCRA	
City, State, Zip: <u>Carlsbad, NM 88220</u>		Phone: 575-885-7502										State	
Phone: <u>432-305-6410</u>		Email: <u>jim.raley@devon.com</u>										NM CO UT AZ TX	
Email: <u>Devon-team@etechnv.com</u>		WBS/WO: <u>21414038</u>										x	
Collected by: <u>Erick Herrera</u>		Incident ID: <u>NAPP 2426227823</u>										Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	NM	TX	GDGC	Remarks
11:30	10/9/24	S	1	BH01	1	0.5'							X			24 hr TAT
11:50	10/9/24	S	1	BH01	2	1'							X			24 hr TAT
11:55	10/9/24	S	1	BH02	3	0.5'							X			24 hr TAT
12:00	10/9/24	S	1	BH02	4	1'							X			24 hr TAT
13:13	10/9/24	S	1	BH03	5	0.5'							X			
13:18	10/9/24	S	1	BH03	6	1'							X			
13:23	10/9/24	S	1	BH04	7	0.5'							X			
13:28	10/9/24	S	1	BH04	8	1'							X			
13:48	10/9/24	S	1	BH05	9	0.5'							X			
13:53	10/9/24	S	1	BH05	10	1'							X			

## Additional Instructions:

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

Sampled by:

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) <u>[Signature]</u>	Date <u>10/9/24</u>	Time <u>18:25</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>10-9-24</u>	Time <u>1900</u>	Lab Use Only Received on ice: <u>(Y)</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>10-10-24</u>	Time <u>1500</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>10-10-24</u>	Time <u>1700</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>10-10-24</u>	Time <u>2315</u>	Received by: (Signature) <u>Carth Mann</u>	Date <u>10-11-24</u>	Time <u>8:00</u>	

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

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

Note: Samples are discarded 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.



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Client: Devon Energy				Bill To				Lab Use Only				TAT				EPA Program																							
Project: Flagler 3 EFB				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA																						
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.				E 410098		4058.007					5 day TAT																								
Address: 4154 Seven Rivers Hwy				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method												RCRA																			
City, State, Zip: Carlsbad, NM 88220				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: 432-305-6416				Email: jim.raley@dvn.com																NM	CO	UT	AZ	TX															
Email: Devon-team@etechnv.com				WBS/WO: 21414038																x																			
Collected by: Erick Herrera				Incident ID: NAPP 2426227323																	Remarks																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																																		
14:10	10/9/24	S	1	BH06	11	0.5'										X																							
14:15	10/9/24	S	1	BH06	12	1'										X																							
14:20	10/9/24	S	1	BH07	13	0.5'										X																							
14:25	10/9/24	S	1	BH07	14	1'										X																							
<div>EL</div>																																							
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.																								
Relinquished by: (Signature)					Date		Time		Received by: (Signature)					Date		Time		Lab Use Only																					
Erick Herrera					10/9/24		18:25		Michelle Gonzales					10-9-24		1900		Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N																					
Relinquished by: (Signature)					Date		Time		Received by: (Signature)					Date		Time		T1										T2		T3									
Michelle Gonzales					10-10-24		1500		J.H.					10-10-24		1700																							
Relinquished by: (Signature)					Date		Time		Received by: (Signature)					Date		Time		AVG Temp °C																					
J.H.					10-10-24		2315		Cathy Man					10-11-24		8:00		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: 10/11/2024 10:01:59AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	10/11/24 08:00	Work Order ID:	E410098
Phone:	(575) 748-0176	Date Logged In:	10/10/24 15:15	Logged In By:	Noe Soto
Email:		Due Date:	10/11/24 17:00 (0 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? No
  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/Resolution

Sampled by name is missing on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
  8. If yes, was cooler received in good condition? Yes
  9. Was the sample(s) received intact, i.e., not broken? Yes
  10. Were custody/security seals present? No
  11. If yes, were custody/security seals intact? NA
  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

24hr TAT Listed on COC for Samples 1-4 per client.

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

Date



envirotech Inc.

Report to:  
Erick Herrera



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Flagler 8 CTB

Work Order: E410108

Job Number: 01058-0007

Received: 10/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/17/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: Flagler 8 CTB  
Workorder: E410108  
Date Received: 10/11/2024 8:00:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/11/2024 8:00:00AM, under the Project Name: Flagler 8 CTB.

The analytical test results summarized in this report with the Project Name: Flagler 8 CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/17/24 09:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 - 0.5'	E410108-01A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH08 - 1'	E410108-02A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Flagler 8 CTB Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/17/2024 9:26:10AM
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**BH08 - 0.5'**

**E410108-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441107
Benzene	ND	0.0250	1	10/11/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/15/24	
Toluene	ND	0.0250	1	10/11/24	10/15/24	
o-Xylene	ND	0.0250	1	10/11/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/15/24	
Surrogate: Bromofluorobenzene		113 %	70-130	10/11/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	10/11/24	10/15/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/15/24	
Surrogate: Bromofluorobenzene		113 %	70-130	10/11/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	10/11/24	10/15/24	
Surrogate: Toluene-d8		110 %	70-130	10/11/24	10/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441115
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/13/24	
Surrogate: n-Nonane		98.0 %	50-200	10/11/24	10/13/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2441116
Chloride	427	40.0	2	10/11/24	10/12/24	



## Sample Data

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

Project Name: Flagler 8 CTB  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
10/17/2024 9:26:10AM

BH08 - 1'

E410108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441107
Benzene	ND	0.0250	1	10/11/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/15/24	
Toluene	ND	0.0250	1	10/11/24	10/15/24	
o-Xylene	ND	0.0250	1	10/11/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/15/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	10/11/24	10/15/24	
Surrogate: Toluene-d8		108 %	70-130	10/11/24	10/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2441107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/15/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/11/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	10/11/24	10/15/24	
Surrogate: Toluene-d8		108 %	70-130	10/11/24	10/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2441115
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/13/24	
Surrogate: n-Nonane		95.2 %	50-200	10/11/24	10/13/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2441116
Chloride	362	40.0	2	10/11/24	10/12/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/17/2024 9:26:10AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2441107-BLK1) Prepared: 10/11/24 Analyzed: 10/15/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.582		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

LCS (2441107-BS1) Prepared: 10/11/24 Analyzed: 10/16/24

Benzene	2.77	0.0250	2.50		111	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.75	0.0250	2.50		110	70-130			
p,m-Xylene	5.48	0.0500	5.00		110	70-130			
Total Xylenes	8.23	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

Matrix Spike (2441107-MS1) Source: E410108-01 Prepared: 10/11/24 Analyzed: 10/16/24

Benzene	2.73	0.0250	2.50	ND	109	48-131			
Ethylbenzene	2.59	0.0250	2.50	ND	104	45-135			
Toluene	2.64	0.0250	2.50	ND	106	48-130			
o-Xylene	2.66	0.0250	2.50	ND	106	43-135			
p,m-Xylene	5.31	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.97	0.0250	7.50	ND	106	43-135			
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

Matrix Spike Dup (2441107-MSD1) Source: E410108-01 Prepared: 10/11/24 Analyzed: 10/16/24

Benzene	2.76	0.0250	2.50	ND	111	48-131	1.42	23	
Ethylbenzene	2.72	0.0250	2.50	ND	109	45-135	4.78	27	
Toluene	2.72	0.0250	2.50	ND	109	48-130	2.88	24	
o-Xylene	2.78	0.0250	2.50	ND	111	43-135	4.27	27	
p,m-Xylene	5.51	0.0500	5.00	ND	110	43-135	3.71	27	
Total Xylenes	8.29	0.0250	7.50	ND	110	43-135	3.89	27	
Surrogate: Bromofluorobenzene	0.595		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/17/2024 9:26:10AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2441107-BLK1) Prepared: 10/11/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.582		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

LCS (2441107-BS2) Prepared: 10/11/24 Analyzed: 10/16/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			

Matrix Spike (2441107-MS2) Source: E410108-01 Prepared: 10/11/24 Analyzed: 10/16/24

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.554		0.500		111	70-130			

Matrix Spike Dup (2441107-MSD2) Source: E410108-01 Prepared: 10/11/24 Analyzed: 10/16/24

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.4	70-130	2.69	20	
Surrogate: Bromofluorobenzene	0.597		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/17/2024 9:26:10AM

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 (2441115-BLK1)					Prepared: 10/11/24 Analyzed: 10/13/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	50-200			

LCS (2441115-BS1)					Prepared: 10/11/24 Analyzed: 10/13/24				
Diesel Range Organics (C10-C28)	296	25.0	250		119	38-132			
Surrogate: n-Nonane	54.5		50.0		109	50-200			

Matrix Spike (2441115-MS1)					Source: E410109-01		Prepared: 10/11/24 Analyzed: 10/13/24		
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike Dup (2441115-MSD1)					Source: E410109-01		Prepared: 10/11/24 Analyzed: 10/13/24		
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132	1.67	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Flagler 8 CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/17/2024 9:26:10AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2441116-BLK1)					Prepared: 10/11/24 Analyzed: 10/12/24				
Chloride	ND	20.0							
LCS (2441116-BS1)					Prepared: 10/11/24 Analyzed: 10/12/24				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2441116-MS1)					Source: E410107-03		Prepared: 10/11/24 Analyzed: 10/15/24		
Chloride	1180	20.0	250	1010	68.7	80-120			M4
Matrix Spike Dup (2441116-MSD1)					Source: E410107-03		Prepared: 10/11/24 Analyzed: 10/15/24		
Chloride	1220	20.0	250	1010	83.4	80-120	3.06	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:	Flagler 8 CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	10/17/24 09:26

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





## Envirotech Analytical Laboratory

Printed: 10/11/2024 9:59:59AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	10/11/24 08:00	Work Order ID:	E410108
Phone:	(575) 748-0176	Date Logged In:	10/10/24 15:44	Logged In By:	Noe Soto
Email:		Due Date:	10/17/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

24hr TAT Listed on COC for Samples 1-4 per client.

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

Date



envirotech Inc.

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## APPENDIX G

### Correspondence & Notifications

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P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



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

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

QUESTIONS

Action 385262

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 385262
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426227823
Incident Name	NAPP2426227823 FLAGLER 8 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2122855254] FLAGLER 8 CTB 1

Location of Release Source	
Site Name	FLAGLER 8 CTB 1
Date Release Discovered	09/17/2024
Surface Owner	Federal

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	6,960
Have all the impacted materials been removed from the liner	No
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	09/26/2024
Time liner inspection will commence	07:00 AM
Please provide any information necessary for observers to liner inspection	Impacted materials will be removed prior to inspection. Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to liner inspection site	From the intersection of Co Rd 2 and Resource Ln stay right at the fork and head south for 2.5 miles, turn right for 2.2 miles to reach Flagler CTB located at GPS coordinates (32.140865, -103.60115).



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
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Phone:(575) 748-1283 Fax:(575) 748-9720  
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1000 Rio Brazos Rd., Aztec, NM 87410  
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 385262

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 385262
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
wdale	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	9/19/2024

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

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

QUESTIONS  
  
Action 389285

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 389285
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426227823
Incident Name	NAPP2426227823 FLAGLER 8 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2122855254] FLAGLER 8 CTB 1

Location of Release Source	
Site Name	FLAGLER 8 CTB 1
Date Release Discovered	09/17/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	6,960
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2024
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 of Co Rd 2 and Resource Ln stay right at the fork and head south for 2.5 miles, turn right for 2.2 miles to reach Flagler CTB (32.140865, -103.60115).

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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1000 Rio Brazos Rd., Aztec, NM 87410  
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1220 S. St Francis Dr., Santa Fe, NM 87505  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 389285

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 389285
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
wdale	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.	10/2/2024

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 412975

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412975
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426227823
Incident Name	NAPP2426227823 FLAGLER 8 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2122855254] FLAGLER 8 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FLAGLER 8 CTB 1
Date Release Discovered	09/17/2024
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: Equipment Failure   Other (Specify)   Produced Water   Released: 566 BBL   Recovered: 566 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	HOLE IN BASKET STRAINER. 566 BBLS PW RELEASED INTO LINED CONTAINMENT. 566 BBLS RECOVERED

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 412975

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412975
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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.raley@dvsn.com Date: 12/17/2024
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QUESTIONS, Page 3

Action 412975

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412975
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**QUESTIONS**

<b>Site Characterization</b>	
<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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<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
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	4940
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/18/2024
On what date will (or did) the final sampling or liner inspection occur	10/09/2024
On what date will (or was) the remediation complete(d)	09/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<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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QUESTIONS, Page 4

Action 412975

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 412975
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No soils needed removed to meet site standards pre-reclamation.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 12/17/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 412975

**QUESTIONS (continued)**

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	Action Number: 412975
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 412975

**QUESTIONS (continued)**

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	Action Number: 412975
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	389285
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2024
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	6960

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No impacted soils were removed from under liner.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/17/2024

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Action 412975

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 412975

CONDITIONS

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	3/18/2025