ENSOLUM

September 21, 2026

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

Re: Deferral Request
Poker Lake Unit 19 Dog Town Draw CVB
Incident Numbers nAPP2608229992 and nAPP2608542337
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Deferral Request* to document the findings of a liner integrity inspection and delineation completed at the Poker Lake Unit 19 Dog Town Draw CVB (Site) following two produced water releases that occured within a lined containment, housing a lease automatic custody transfer (LACT) unit. Based on the liner integrity inspection and delineation activities, XTO is submitting this *Deferral Request*, describing liner integrity inspection results and delineation activities that have occurred and requesting deferral of final remediation for Incident Numbers nAPP2608229992 and nAPP2608542337 until the Site is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 19, Township 24 South, Range 30 East in Eddy County, New Mexico (32.20518°, -103.91969°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM). The release was reported at the above-mentioned coordinates, but following initial release photos and site assessment activities, the release was confirmed to have occurred in the lined containment at 32.205421°, -103.920276°.

On March 21, 2026, the discharge point of a pump failed which resulted in the release of 55 barrels (bbls) of produced water into a steel-walled lined impermeable containment covering an area of approximately 845 square feet. A vacuum truck was dispatched to the Site to recover free-standing fluid, and all released fluid was recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) and an Initial C-141 Application (C-141) on March 23, 2026. The release was assigned Incident Number nAPP2608229992.

On March 25, 2026, equipment malfunction resulted in the release of 42 bbls of produced water within the same lined containment mentioned above. A vacuum truck was dispatched to the Site to recover free-standing fluid, and all released fluid was recovered. XTO reported the release to the NMOCD on a NOR and a C-141 on March 26, 2026. The release was assigned Incident Number nAPP2608542337.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. On November 11, 2022, an approved New Mexico Office of the State Engineer (NMOSE) soil boring (C-04676) was drilled 0.46 miles northeast of the Site utilizing an air rotary drilling rig. Soil boring C-04676 was advanced to a terminal depth of 120 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 120 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. Additionally, NMOSE well C-02109 is mapped closer to the Site, at a distance of approximately of 0.3 miles southeast and has a listed depth to groundwater measurement of 150 feet bgs, with a total depth of 130 feet bgs. This inconsistency of total depth being less than depth to water is likely a reporting error within the New Mexico Water Rights Report System (NMWRRS). This well was last measured in December of 1963, and was most recently measured in 2013. All referenced well records are provided in Appendix A.

The closest continuously flowing or significant watercourse is an intermittant seasonal riverine located 977 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

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

LINER INTEGRITY INSPECTION ACTIVITIES

The lined containment was cleaned of all debris and power washed. During cleaning activities, one breach was observed within the liner, of which Ensolum was notified. Delineation activities to determine the extent of the release were immediately warranted. A site map of the lined containment is included in Figure 2. Photographic documentation of the initial release and the liner breach is included in Appendix B.

DELINEATION SOIL SAMPLING ACTIVITIES

Between June 12, 2026, and July 16, 2026, Ensolum personnel were at the Site to oversee delineation activities. One delineation borehole, BH01, was advanced within the containment via hand auger to 2 feet bgs to assess the vertical extent of the release. The liner at the BH01 location was patched and sealed immediately following the collection of the vertical delineation samples to restore spill control measures. Four additional delineation boreholes, SS02 through SS04, were advanced around the containment at equal depths to BH01 to assess the lateral extent of the release. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Field screenings indicated elevated chloride concentrations at SS03 collected from 0.5 feet bgs, and immediate delineation of the waste containing soil was conducted. Three additional surface samples, SS01, SS06, SS07, were advanced around SS03 to laterally delineate the waste containing soil.

Field screening results and observations of the soil samples from the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of delineation activities and the patched liner breach is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method 4500.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil sample BH01 indicated concentrations of TPH-DRO + TPH-GRO and Total TPH exceeding Site Closure Criteria at 0.5 feet bgs, but BH01A results indicated COC concentrations were in compliance with Closure Criteria at 2 feet bgs, successfully defining the vertical extent of the release. Laboratory analytical results for delineation soil samples collected in boreholes SS02 through SS05 indicated all COCs were in compliance with the strictest Table I Closure Criteria from ground surface to 2 feet bgs, successfully defining the lateral extent of the release.

Laboratory analytical results for delineation soil sample SS03, indicated concentrations of chloride exceeding the strictest Table I Closure Criteria at 0.5 feet bgs. All other analytical results, except for BH01 at 0.5 feet bgs collected within the containment, indicated COC concentrations were in compliance with the strictest Table I Closure Criteria, successfully defining the lateral and vertical extent of the waste containing soil.

DEFERRAL REQUEST

XTO is requesting deferral of final remediation due to the presence of active production equipment and the lined containment preventing excavation of impacted soil. The impacted soil is limited to the area below active production equipment and the lined containment, where remediation would require a major facility deconstruction. The impacted soil remaining in place is delineated vertically by delineation soil sample BH01A, collected at 2 feet bgs. The impacted soil is laterally defined by delineation soil samples collected in boreholes SS02 through SS05. An estimated maximum of 68 cubic yards of impacted soil remains in place below the 845 square-foot lined containment.

The waste containing soil remaining in place is delineated vertically by delineation soil sample SS03A, collected at 1-foot bgs. The waste containing soil is laterally defined by delineation soil samples SS01, SS06, and SS07. An estimated maximum of 1.7 cubic yards of waste containing soil remains in place adjacent to the containment and active production equipment.

XTO does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 100 feet bgs and the impacted soil remaining in place is limited in areal and vertical extent.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, XTO requests deferral of final remediation for Incident Numbers nAPP2608229992 and nAPP2608542337 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC

Christopher Wright
Staff Geologist

Benjamin J. Belill
Senior Geologist

cc: Dale Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	Spill Volume Calculations

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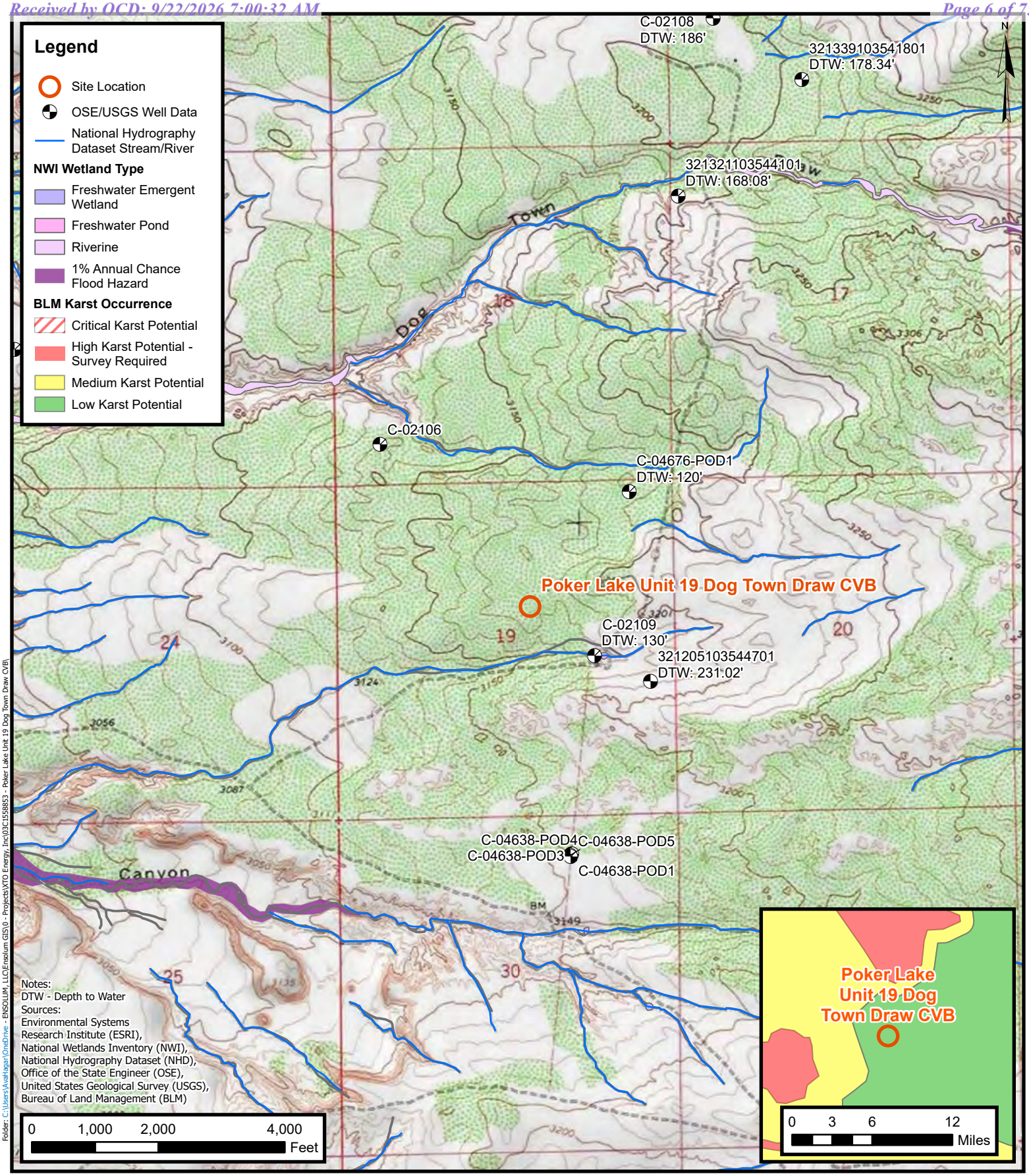
FIGURES



Folder: C:\Users\AveHagan\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558853 - Poker Lake Unit 19 Dog Town Draw CVB\

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Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
Incident Number: nAPP2608229992 and nAPP2608542337
Unit G, Section 19, T 24S, R 30E
Eddy County, New Mexico

FIGURE 1

Folder: C:\Users\AveHagan\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558853 - Poker Lake Unit 19 Dog Town Draw CVB\

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Delineation Soil Sample Locations and Deferral Area

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
Incident Number: nAPP2608229992 and nAPP2608542337
Unit G, Section 19, T 24S, R 30E
Eddy County, New Mexico

FIGURE 2

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Poker Lake Unit 19 Dog Town Draw CVB
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	07/16/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
BH01	06/12/2026	0.5	<0.050	19.5	509	2,690	361	**3,199**	**3,560**	2,840
BH01A	06/12/2026	2	<0.050	<0.300	<10.0	23.2	<10.0	23.2	23.2	48.0
SS02	06/12/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS02A	07/16/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS03	06/12/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
SS03A	07/16/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS03B	07/16/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS04	06/12/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS04A	07/16/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS05	06/12/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS05A	07/16/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS06	07/16/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS07	07/16/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.
NE: Not Established

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMAC: New Mexico Administrative Code
~~Grey~~ text indicates soil sample removed during excavation activities

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APPENDIX A

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DII DEC 21 2022 PM3:14

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C-04676 POD 1		C-04676

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO ENERGY INC	575-200-0729

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
3104 E GREENE ST	CARLSBAD	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	12	32.66	N
	LONGITUDE	-103	54	50.95	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

POKER LAKE UNIT # 231

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1184	RUSSELL SOUTHERLAND	WEST TEXAS WATER WELL SERVICE

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
11/22/22	11/22/22	120		

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) 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)
			NO CASING IN HOLE				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

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

FILE NO. C-04676	POD NO. 1	TRN NO. 736286	
LOCATION 24S.30E.19.1.2.2		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	1		CALICHIE PAD	Y ✔ N	
1	120		RED SAND	Y ✔ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: DRY HOLE

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

OSE DII DEC 21 2022 PM3:14

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

RUSSELL SOUTHERLAND

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

RUSSELL SOUTHERLAND — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

11/22/2022 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-04676	POD NO. 1	TRN NO. 736286	
LOCATION 24S.30E.19.1.2.2.		WELL TAG ID NO.	PAGE 2 OF 2

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02109	NW	NE	SE	19	24S	30E	602130.0	3563412.4	

*** UTM location was derived from PLSS - see Help**

Driller License:		**Driller Company:**			
Driller Name:	UNKNOWN				
Drill Start Date:		**Drill Finish Date:**	1963-12-31	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	40
Casing Size:	7.00	**Depth Well:**	130	**Depth Water:**	150

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APPENDIX B

Photographic Log

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Photographic Log

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
nAPP2608229992 and nAPP2608542337

Photograph	Date	
1	03/21/2026	
Description: Initial release, incident nAPP2608229992		
View: Northeast		

Photograph	Date	
2	03/25/2026	
Description: Initial release, incident nAPP2608542337		
View: Northeast		

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Photographic Log

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
nAPP2608229992 and nAPP2608542337

Photograph	Date	
3	06/12/2026	
Description: Vertical delineation, BH01		
View: West		

Photograph	Date	
4	06/12/2026	
Description: Patched liner, BH01		
View: South		

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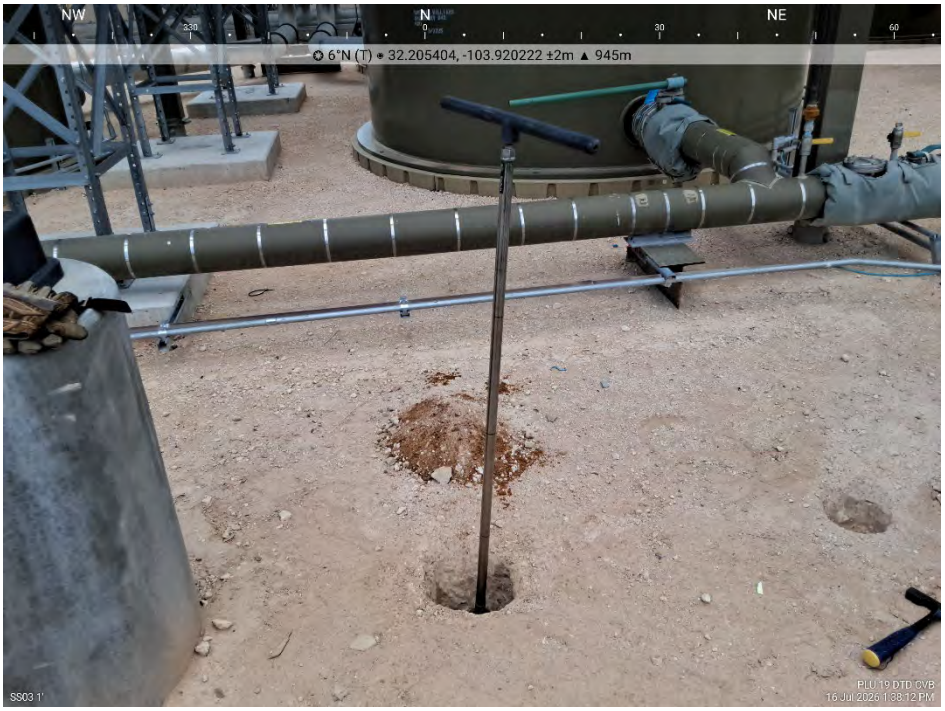
Photographic Log

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
nAPP2608229992 and nAPP2608542337

Photograph	Date	
5	07/16/2026	
Description: Lateral delineation, SS03		
View: East		

Photograph	Date	
6	07/16/2026	
Description: Lateral delineation, SS02		
View: Southwest		

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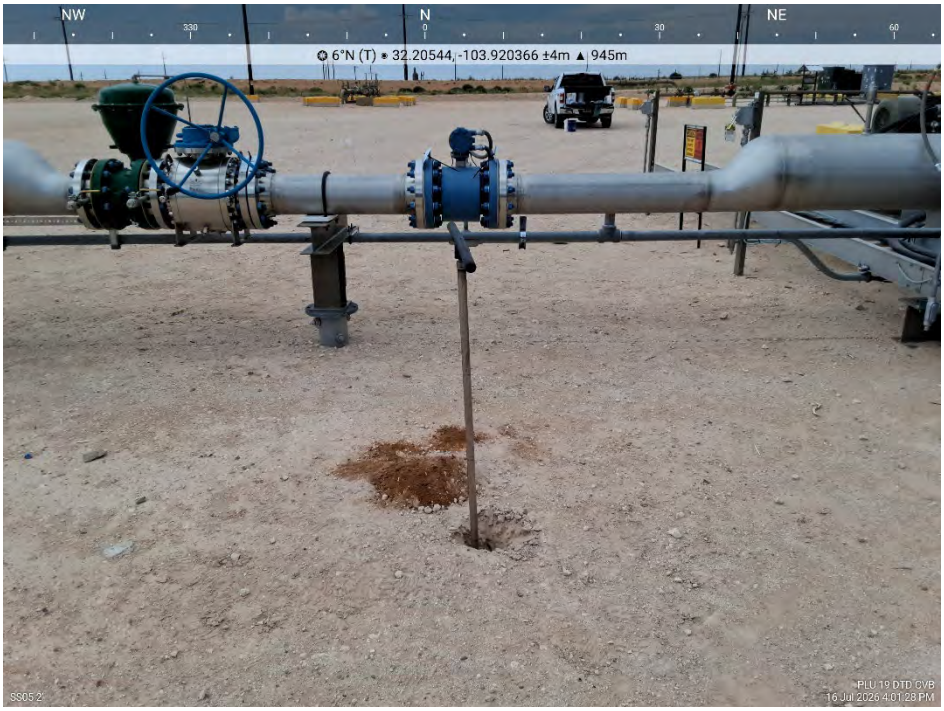
Photographic Log

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
nAPP2608229992 and nAPP2608542337

Photograph 7	Date 07/16/2026	
Description Lateral delineation, SS05		
View North		
Photograph 8	Date 07/16/2026	
Description Lateral delineation, SS04		
View North		

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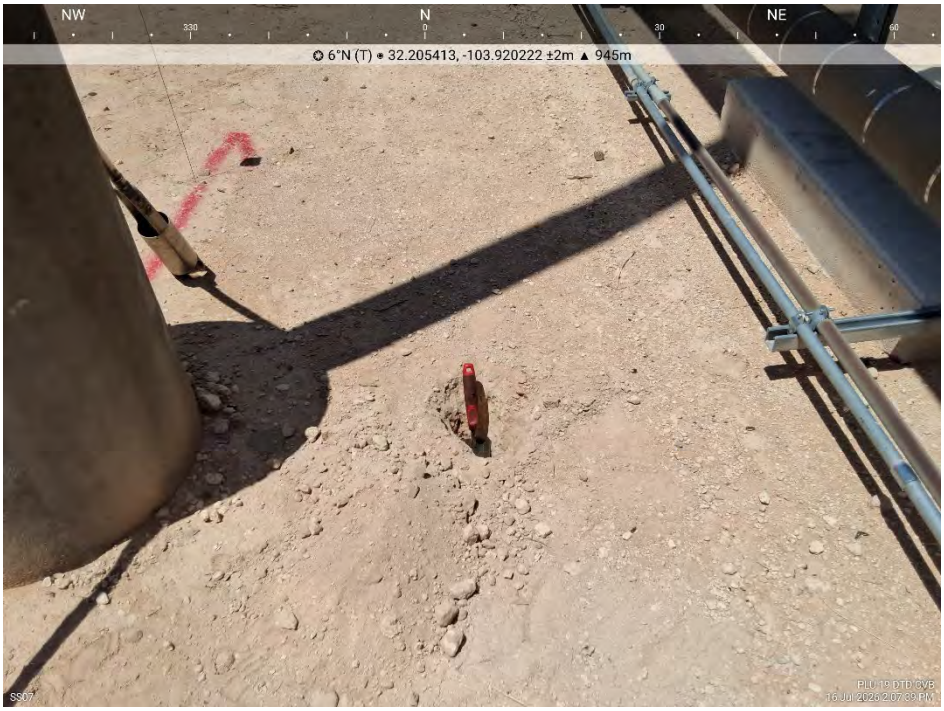
Photographic Log

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
nAPP2608229992 and nAPP2608542337

Photograph	Date
9	07/16/2026



Description
Delineation of waste containing soil, SS07

View
Direct

Photograph	Date
10	06/12/2026

Description
Delineation of waste containing soil, SS01

View
Direct

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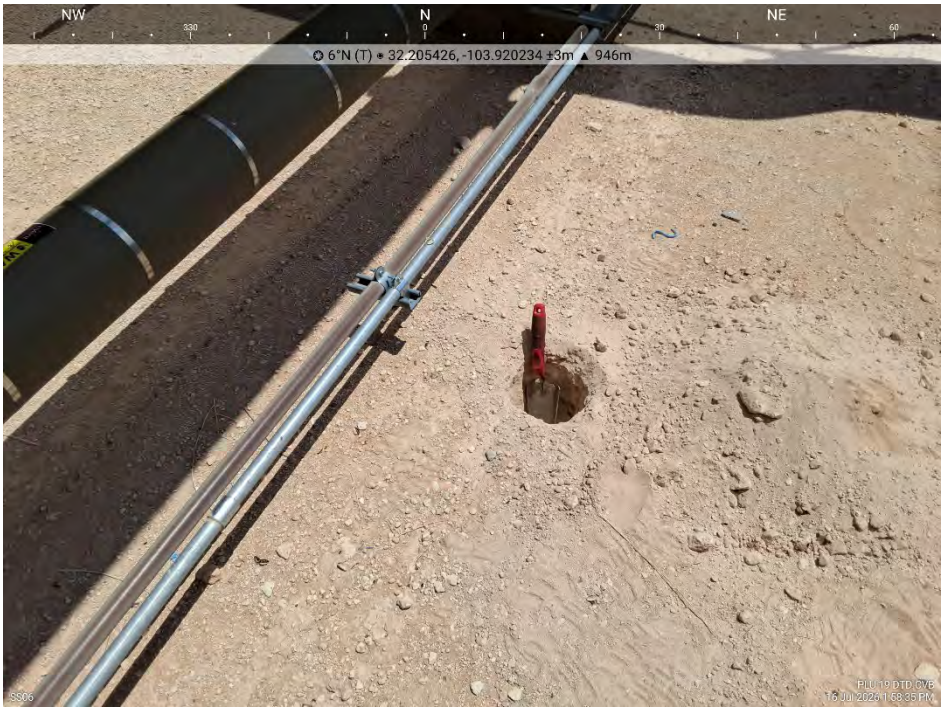
Photographic Log

XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
nAPP2608229992 and nAPP2608542337

Photograph	Date
11	07/16/2026



Description
Delineation of waste containing soil, SS06

View
Direct

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APPENDIX C

Lithologic Soil Sampling Logs

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Sample Name: BH01	Date: 06/12/2026	
Site Name: Poker Lake Unit 19 DTD CVB		
Incident Number: nAPP2608229992, nAPP2608542337		
Job Number: 03C1558853		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CJ, DO	Method: Hand Auger
Coordinates: 32.205410, -103.920264	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	7,967	331.0	N	BH01	0.5		CCHE	0 - 0.5': Off-white pad caliche. Sand, silt, gravels. Well graded, non-plastic, noncohesive.
D	1,064	22.7	N		1	1	SP-SC	0.5' - 2': Light brown to red brown sands with silt, clay. Few limestone gravels. Well graded, cohesive, low plasticity.
D	487	46.9	N	BH01A	2	2		

Total Depth @ 2' bgs

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	Sample Name: SS02	Date: 06/12, 7/16/2026
	Site Name: Poker Lake Unit 19 DTD CVB	
	Incident Number: nAPP2608229992, nAPP2608542337	
	Job Number: 03C1558853	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CJ, DO	Method: Hand Auger
Coordinates: 32.205490, -103.920287	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<157	1.0	N	SS02	0.5	0	CCHE	0 - 0.5': Off-white pad caliche. Sand, silt, gravels. Well graded, non-plastic, noncohesive.
D	<157	0.9	N		1	1	SP-SC	0.5' - 2': Light brown to red brown sands with silt, clay. Few limestone gravels. Well graded, cohesive, low plasticity.
D	<157	0.9	N	SS02A	2	2		

Total Depth @ 2' bgs

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	Sample Name: SS03	Date: 06/12, 7/16/2026
	Site Name: Poker Lake Unit 19 DTD CVB	
	Incident Number: nAPP2608229992, nAPP2608542337	
	Job Number: 03C1558853	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CJ, DO	Method: Hand Auger
Coordinates: 32.205412, -103.920232	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	386	0.3	N	SS03	0.5	0	CCHE	0 - 0.5': Off-white pad caliche. Sand, silt, gravels. Well graded, non-plastic, noncohesive.
D	<157	0.0	N	SS03A	1	1	SP-SC	0.5' - 2': Light brown to red brown sands with silt, clay. Few limestone gravels. Well graded, cohesive, low plasticity.
D	<157	0.0	N	SS03B	2	2		
Total Depth @ 2' bgs								

ENSOLUM

	Sample Name: SS04	Date: 06/12, 7/16/2026
	Site Name: Poker Lake Unit 19 DTD CVB	
	Incident Number: nAPP2608229992, nAPP2608542337	
	Job Number: 03C1558853	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CJ, DO	Method: Hand Auger
Coordinates: 32.205348, -103.920259	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<157	0.4	N	SS04	0.5	0	CCHE	0 - 0.5': Off-white pad caliche. Sand, silt, gravels. Well graded, non-plastic, noncohesive.
D	<157	1.1	N		1	1	SP-SC	0.5' - 2': Light brown to red brown sands with silt, clay. Few limestone gravels. Well graded, cohesive, low plasticity.
D	<157	0.9	N	SS04A	2	2		
Total Depth @ 2' bgs								

ENSOLUM

Sample Name: SS05	Date: 06/12, 7/16/2026
Site Name: Poker Lake Unit 19 DTD CVB	
Incident Number: nAPP2608229992, nAPP2608542337	
Job Number: 03C1558853	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CJ, DO / Method: Hand Auger
Coordinates: 32.205402, -103.920351	Hole Diameter: 3" / Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<157	0.7	N	SS05	0.5	0	CCHE	0 - 0.5': Off-white pad caliche. Sand, silt, gravels. Well graded, non-plastic, noncohesive.
D	<157	0.9	N		1	1	SP-SC	0.5' - 2': Light brown to red brown sands with silt, clay. Few limestone gravels. Well graded, cohesive, low plasticity.
D	<157	0.9	N	SS05A	2	2		

Total Depth @ 2' bgs

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 17, 2026

CHRIS WRIGHT

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: POKER LAKE UNIT 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 06/15/26 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/15/2026	Sampling Date:	06/12/2026
Reported:	06/17/2026	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.205414, -103.920275		

Sample ID: BH 01 0.5' (H263400-01)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2026	ND	2.23	111	2.00	0.180	
Toluene*	<0.050	0.050	06/17/2026	ND	2.13	106	2.00	0.793	GC-NC
Ethylbenzene*	**1.99**	0.050	06/17/2026	ND	2.06	103	2.00	0.0381	GC-NC1
Total Xylenes*	**17.5**	0.150	06/17/2026	ND	5.99	99.9	6.00	0.205	
Total BTEX	**19.5**	0.300	06/17/2026	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *179 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2840**	16.0	06/16/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**509**	10.0	06/15/2026	ND	195	97.3	200	0.226	
DRO >C10-C28*	**2690**	10.0	06/15/2026	ND	195	97.4	200	0.0832	
EXT DRO >C28-C36	**361**	10.0	06/15/2026	ND					

Surrogate: 1-Chlorooctane *135 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *166 %* *37.2-119*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/15/2026	Sampling Date:	06/12/2026
Reported:	06/17/2026	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.205414, -103.920275		

Sample ID: BH 01A 2' (H263400-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2026	ND	2.23	111	2.00	0.180	
Toluene*	<0.050	0.050	06/16/2026	ND	2.13	106	2.00	0.793	
Ethylbenzene*	<0.050	0.050	06/16/2026	ND	2.06	103	2.00	0.0381	
Total Xylenes*	<0.150	0.150	06/16/2026	ND	5.99	99.9	6.00	0.205	
Total BTEX	<0.300	0.300	06/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/16/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2026	ND	195	97.3	200	0.226	
DRO >C10-C28*	**23.2**	10.0	06/15/2026	ND	195	97.4	200	0.0832	
EXT DRO >C28-C36	<10.0	10.0	06/15/2026	ND					

Surrogate: 1-Chlorooctane *88.9 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *87.9 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/15/2026	Sampling Date:	06/12/2026
Reported:	06/17/2026	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS 02 0.5' (H263400-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2026	ND	2.23	111	2.00	0.180	
Toluene*	<0.050	0.050	06/16/2026	ND	2.13	106	2.00	0.793	
Ethylbenzene*	<0.050	0.050	06/16/2026	ND	2.06	103	2.00	0.0381	
Total Xylenes*	<0.150	0.150	06/16/2026	ND	5.99	99.9	6.00	0.205	
Total BTEX	<0.300	0.300	06/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/16/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2026	ND	195	97.3	200	0.226	
DRO >C10-C28*	<10.0	10.0	06/15/2026	ND	195	97.4	200	0.0832	
EXT DRO >C28-C36	<10.0	10.0	06/15/2026	ND					

Surrogate: 1-Chlorooctane *93.5 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *90.0 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/15/2026	Sampling Date:	06/12/2026
Reported:	06/17/2026	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS 03 0.5' (H263400-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2026	ND	2.23	111	2.00	0.180	
Toluene*	<0.050	0.050	06/16/2026	ND	2.13	106	2.00	0.793	
Ethylbenzene*	<0.050	0.050	06/16/2026	ND	2.06	103	2.00	0.0381	
Total Xylenes*	<0.150	0.150	06/16/2026	ND	5.99	99.9	6.00	0.205	
Total BTEX	<0.300	0.300	06/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**768**	16.0	06/16/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2026	ND	195	97.3	200	0.226	
DRO >C10-C28*	<10.0	10.0	06/15/2026	ND	195	97.4	200	0.0832	
EXT DRO >C28-C36	<10.0	10.0	06/15/2026	ND					

Surrogate: 1-Chlorooctane *86.9 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *81.6 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/15/2026	Sampling Date:	06/12/2026
Reported:	06/17/2026	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS 04 0.5' (H263400-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2026	ND	2.23	111	2.00	0.180	
Toluene*	<0.050	0.050	06/16/2026	ND	2.13	106	2.00	0.793	
Ethylbenzene*	<0.050	0.050	06/16/2026	ND	2.06	103	2.00	0.0381	
Total Xylenes*	<0.150	0.150	06/16/2026	ND	5.99	99.9	6.00	0.205	
Total BTEX	<0.300	0.300	06/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/16/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2026	ND	195	97.3	200	0.226	
DRO >C10-C28*	<10.0	10.0	06/15/2026	ND	195	97.4	200	0.0832	
EXT DRO >C28-C36	<10.0	10.0	06/15/2026	ND					

Surrogate: 1-Chlorooctane *79.7 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *75.4 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/15/2026	Sampling Date:	06/12/2026
Reported:	06/17/2026	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS 05 0.5' (H263400-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2026	ND	2.23	111	2.00	0.180	
Toluene*	<0.050	0.050	06/16/2026	ND	2.13	106	2.00	0.793	
Ethylbenzene*	<0.050	0.050	06/16/2026	ND	2.06	103	2.00	0.0381	
Total Xylenes*	<0.150	0.150	06/16/2026	ND	5.99	99.9	6.00	0.205	
Total BTEX	<0.300	0.300	06/16/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.8 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/16/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2026	ND	202	101	200	3.45	
DRO >C10-C28*	<10.0	10.0	06/15/2026	ND	187	93.4	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	06/15/2026	ND					

Surrogate: 1-Chlorooctane *69.8 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *67.4 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Ensolum, LLC
Project Manager:	Chris Wright
Address:	3122 National Parks Hwy
City:	Carlsbad State: NM Zip: 88220
Phone #:	575-706-6266 Fax #: CS
Project #:	03C1558853 Project Owner: XTO Energy, Inc
Project Name:	Poker Lake Unit 19 DTD CVB
Project Location:	32.205414, -103.920275
Sampler Name:	Chloe James

BILL TO

P.O. #:	CS
Company:	XTO Energy, Inc
Attn:	Dale Woodall
Address:	3104 E Greene St
City:	Carlsbad
State: NM Zip:	88220
Phone #:	
Fax #:	CS

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL ✓	OTHER :	SAMPLING DATE	SAMPLING TIME	BTEX	TPH	Chloride
H263400																		
1	BH01	0.5'	G	1			x					x		6/12/2026	1406	x	x	x
2	BH01A	2'	G	1			x					x		6/12/2026	1413	x	x	x
3	SS02	0.5'	G	1			x					x		6/12/2026	1519	x	x	x
4	SS03	0.5'	G	1			x					x		6/12/2026	1547	x	x	x
5	SS04	0.5'	G	1			x					x		6/12/2026	1531	x	x	x
6	SS05	0.5'	G	1			x					x		6/12/2026	1525	x	x	x

CS

Relinquished By:	Chloe James	Date: 6-15-26 Time: 1200	Received By: Tamara Oldaker
Relinquished By:		Date: Time:	Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.5
Corrected Temp. °C 3.76

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) CS

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:
tmorrissey; kthomason; cwright; cjames@ensolum.com
richard.kotzur@exxonmobil.com

REMARKS:
Incident IDs: nAPP2608229992 and nAPP2608542337
Cost Center: 2274371001
GFCM: 48605000 – Spills

Turnaround Time: Standard ☐ Rush ☒ 48 HR

Thermometer ID #140
Correction Factor +0.3°C +0.1c

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.6 02/12/25

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 23, 2026

CHRIS WRIGHT

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/17/26 9:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/17/2026	Sampling Date:	07/16/2026
Reported:	07/23/2026	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS06 0.5' (H264034-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2026	ND	2.18	109	2.00	2.39	
Toluene*	<0.050	0.050	07/20/2026	ND	2.08	104	2.00	2.47	
Ethylbenzene*	<0.050	0.050	07/20/2026	ND	1.98	99.1	2.00	1.11	
Total Xylenes*	<0.150	0.150	07/20/2026	ND	5.78	96.4	6.00	1.19	
Total BTEX	<0.300	0.300	07/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.4 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/20/2026	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2026	ND	189	94.4	200	0.771	
DRO >C10-C28*	<10.0	10.0	07/20/2026	ND	182	90.9	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	07/20/2026	ND					

Surrogate: 1-Chlorooctane *83.8 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *76.3 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/17/2026	Sampling Date:	07/16/2026
Reported:	07/23/2026	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS07 0.5' (H264034-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2026	ND	2.18	109	2.00	2.39	
Toluene*	<0.050	0.050	07/20/2026	ND	2.08	104	2.00	2.47	
Ethylbenzene*	<0.050	0.050	07/20/2026	ND	1.98	99.1	2.00	1.11	
Total Xylenes*	<0.150	0.150	07/20/2026	ND	5.78	96.4	6.00	1.19	
Total BTEX	<0.300	0.300	07/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/20/2026	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2026	ND	189	94.4	200	0.771	
DRO >C10-C28*	<10.0	10.0	07/20/2026	ND	182	90.9	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	07/20/2026	ND					

Surrogate: 1-Chlorooctane *78.2 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *70.2 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/17/2026	Sampling Date:	07/16/2026
Reported:	07/23/2026	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS01 0.5' (H264034-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2026	ND	2.18	109	2.00	2.39	
Toluene*	<0.050	0.050	07/20/2026	ND	2.08	104	2.00	2.47	
Ethylbenzene*	<0.050	0.050	07/20/2026	ND	1.98	99.1	2.00	1.11	
Total Xylenes*	<0.150	0.150	07/20/2026	ND	5.78	96.4	6.00	1.19	
Total BTEX	<0.300	0.300	07/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/20/2026	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2026	ND	189	94.4	200	0.771	
DRO >C10-C28*	<10.0	10.0	07/20/2026	ND	182	90.9	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	07/20/2026	ND					

Surrogate: 1-Chlorooctane *66.0 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *60.4 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Chris Wright	P.O. #:	
Address:	3102 National Parks Hwy	Company:	XTO
City:	Carlsbad	State: NM Zip:	88220
Phone #:	575-706-6266	Fax #:	
Project #:	03C1558853	Project Owner:	
Project Name:	PLU 19 DTD CVB	Attn:	Dale Woodall
Project Location:	32.205414, -103.920275	Address:	3104 E Greene St.
Sampler Name:	Dean Ortiz	City:	Carlsbad
		State: NM Zip:	88220
		Phone #:	
		Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH	Chlorides
H264034																		
1	SS06	0.5'	G	1			✓					✓		7/16/26	1354	✓	✓	✓
2	SS07	0.5'	G	1			✓					✓		7/16/26	1404	✓	✓	✓
3	SS01	0.5'	G	1			✓					✓		7/16/26	1445	✓	✓	✓
																		DO

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

CS - 0402401K

Relinquished By:	Date: 7/17/26	Received By:	Tannas Cobble
Dean Ortiz	Time: 7814		
Relinquished By:	Date: 7-17-26	Received By:	S Rodriguez
Tanner Cobble	Time: 0935		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

cwright@ensolum.com / tmorrissey@ensolum.com / kthompson@ensolum.com

REMARKS:

Incident #: nAPP2608229992, nAPP2608542337

Cost Center: 2274371001 / GFCM: 48605000

Delivered By: (Circle One)	Observed Temp. °C 3.2	Sample Condition Cool: ☐ Yes	Intact: ☐ Yes	CHECKED BY: (Initials) SR
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.3		☐ No ☐ No	

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #140

Correction Factor ±0.3°C +0.1

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 23, 2026

CHRIS WRIGHT

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/17/26 9:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/17/2026	Sampling Date:	07/16/2026
Reported:	07/23/2026	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS03A 1' (H264035-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2026	ND	2.18	109	2.00	2.39	
Toluene*	<0.050	0.050	07/20/2026	ND	2.08	104	2.00	2.47	
Ethylbenzene*	<0.050	0.050	07/20/2026	ND	1.98	99.1	2.00	1.11	
Total Xylenes*	<0.150	0.150	07/20/2026	ND	5.78	96.4	6.00	1.19	
Total BTEX	<0.300	0.300	07/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/20/2026	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2026	ND	189	94.4	200	0.771	
DRO >C10-C28*	<10.0	10.0	07/20/2026	ND	182	90.9	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	07/20/2026	ND					

Surrogate: 1-Chlorooctane *83.3 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *76.9 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
CHRIS WRIGHT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/17/2026	Sampling Date:	07/15/2026
Reported:	07/23/2026	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	03C1558853	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205414, -103.920275		

Sample ID: SS03B 2' (H264035-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2026	ND	2.18	109	2.00	2.39	
Toluene*	<0.050	0.050	07/20/2026	ND	2.08	104	2.00	2.47	
Ethylbenzene*	<0.050	0.050	07/20/2026	ND	1.98	99.1	2.00	1.11	
Total Xylenes*	<0.150	0.150	07/20/2026	ND	5.78	96.4	6.00	1.19	
Total BTEX	<0.300	0.300	07/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.4 %* *61.5-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/20/2026	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2026	ND	189	94.4	200	0.771	
DRO >C10-C28*	<10.0	10.0	07/20/2026	ND	182	90.9	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	07/20/2026	ND					

Surrogate: 1-Chlorooctane *85.2 %* *47.1-117*

Surrogate: 1-Chlorooctadecane *79.2 %* *37.2-119*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name	Ensolum, LLC	**BILL TO**	
Project Manager:	Chris Wright	**P.O. #:**	
Address	3102 National Parks Hwy	**Company:**	XTO
City	Carlsbad	**State:** NM **Zip** 88220	**Attn:** Dale Woodall
Phone #	575-706-6266	**Fax #:**	**Address:** 3104 E Greene St.
Project #:	03C1558853	**Project Owner:**	**City:** Carlsbad
Project Name:	PLU 19 DTD CVB		**State:** NM **Zip:** 88220
Project Location:	32.205414, -103.920275		**Phone #:**
Sampler Name:	Dean Ortiz		**Fax #:**

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	**Sample I.D.**	**Sample Depth**	**(G)RAB OR (C)OMP.**	**# CONTAINERS**	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	**DATE**	**TIME**	BTEX	TPH	Chlorides											
H264035																												
1	SS03A	1'	G	1			✓					✓		7/16/26	1309	✓	✓	✓										
2	SS03B	2'	G	1			✓					✓		7/16/26	1339	✓	✓	✓										
																										DO		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

CS-0402401K

Relinquished By:	Dean Ortiz	**Date:** 7/17/26 **Time:** 0814	**Received By:** Tanner Crabtree
Relinquished By:	Tanner Crabtree	**Date:** 7-17-26 **Time:** 0935	**Received By:** SRodriguez
Delivered By: (Circle One)	Sampler - UPS - Bus - Other:	**Observed Temp. °C** 3.2 **Corrected Temp. °C** 3.3	**Sample Condition** Cool: ~~Yes~~ No; Intact: ~~Yes~~ No
			CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address:
cwright@ensolum.com / tmorrissey@ensolum.com / kthompson@ensolum.com

REMARKS:
Incident #: nAPP2608229992, nAPP2608542337
Cost Center: 2274371001 / GFCM: 48605000

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor ~~+0.3°C~~ +0.1

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No; Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/12/25

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 24, 2026

CHRIS WRIGHT

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/17/26 9:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: PLU 19 DTD CVB Project Number: 03C1558853 Project Manager: CHRIS WRIGHT Fax To:	Reported: 24-Jul-26 17:20

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS 02A 2'	H264032-01	Soil	16-Jul-26 15:43	17-Jul-26 09:35
SS 04A 2'	H264032-02	Soil	16-Jul-26 16:09	17-Jul-26 09:35
SS 05A 2'	H264032-03	Soil	16-Jul-26 16:01	17-Jul-26 09:35

07/24/26 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 07/23/26.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: PLU 19 DTD CVB Project Number: 03C1558853 Project Manager: CHRIS WRIGHT Fax To:	Reported: 24-Jul-26 17:20

SS 02A 2'

H264032-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	6071731	HM	22-Jul-26	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*93.5 %*	*61.5-142*		*6071723*	JH	*18-Jul-26*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
Surrogate: 1-Chlorooctane			*79.9 %*	*47.1-117*		*6071738*	JF	*20-Jul-26*	*8015B*	
Surrogate: 1-Chlorooctadecane			*71.0 %*	*37.2-119*		*6071738*	JF	*20-Jul-26*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: PLU 19 DTD CVB Project Number: 03C1558853 Project Manager: CHRIS WRIGHT Fax To:	Reported: 24-Jul-26 17:20

SS 04A 2'

H264032-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	6071741	AC	20-Jul-26	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.8 %*	*61.5-142*		*6071723*	JH	*18-Jul-26*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
Surrogate: 1-Chlorooctane			*81.0 %*	*47.1-117*		*6071738*	JF	*20-Jul-26*	*8015B*	
Surrogate: 1-Chlorooctadecane			*73.2 %*	*37.2-119*		*6071738*	JF	*20-Jul-26*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: PLU 19 DTD CVB Project Number: 03C1558853 Project Manager: CHRIS WRIGHT Fax To:	Reported: 24-Jul-26 17:20

SS 05A 2'

H264032-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	6071741	AC	20-Jul-26	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6071723	JH	18-Jul-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*93.4 %*	*61.5-142*		*6071723*	JH	*18-Jul-26*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6071738	JF	20-Jul-26	8015B	
Surrogate: 1-Chlorooctane			*82.0 %*	*47.1-117*		*6071738*	JF	*20-Jul-26*	*8015B*	
Surrogate: 1-Chlorooctadecane			*72.5 %*	*37.2-119*		*6071738*	JF	*20-Jul-26*	*8015B*	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: PLU 19 DTD CVB Project Number: 03C1558853 Project Manager: CHRIS WRIGHT Fax To:	Reported: 24-Jul-26 17:20

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6071731 - 1:4 DI Water										
Blank (6071731-BLK1)				Prepared & Analyzed: 20-Jul-26						
Chloride	ND	16.0	mg/kg							
LCS (6071731-BS1)				Prepared & Analyzed: 20-Jul-26						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (6071731-BSD1)				Prepared & Analyzed: 20-Jul-26						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 6071741 - 1:4 DI Water										
Blank (6071741-BLK1)				Prepared & Analyzed: 20-Jul-26						
Chloride	ND	16.0	mg/kg							
LCS (6071741-BS1)				Prepared & Analyzed: 20-Jul-26						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (6071741-BSD1)				Prepared & Analyzed: 20-Jul-26						
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: PLU 19 DTD CVB Project Number: 03C1558853 Project Manager: CHRIS WRIGHT Fax To:	Reported: 24-Jul-26 17:20

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6071723 - Volatiles										
Blank (6071723-BLK1)				Prepared: 17-Jul-26 Analyzed: 20-Jul-26						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*92.8*	*61.5-142*			
LCS (6071723-BS1)				Prepared & Analyzed: 17-Jul-26						
Benzene	2.12	0.050	mg/kg	2.00		106	97.3-117			
Toluene	1.99	0.050	mg/kg	2.00		99.3	88.2-117			
Ethylbenzene	1.94	0.050	mg/kg	2.00		96.9	79.5-124			
m,p-Xylene	3.80	0.100	mg/kg	4.00		95.0	80-122			
o-Xylene	1.91	0.050	mg/kg	2.00		95.7	72-131			
Total Xylenes	5.71	0.150	mg/kg	6.00		95.2	77.7-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0458*		mg/kg	*0.0500*		*91.6*	*61.5-142*			
LCS Dup (6071723-BSD1)				Prepared & Analyzed: 17-Jul-26						
Benzene	2.11	0.050	mg/kg	2.00		105	97.3-117	0.529	7.24	
Toluene	1.96	0.050	mg/kg	2.00		98.2	88.2-117	1.09	9.93	
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.3	79.5-124	1.68	12.1	
m,p-Xylene	3.72	0.100	mg/kg	4.00		93.0	80-122	2.04	12.5	
o-Xylene	1.87	0.050	mg/kg	2.00		93.7	72-131	2.07	13.1	
Total Xylenes	5.60	0.150	mg/kg	6.00		93.3	77.7-124	2.05	12.6	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0444*		mg/kg	*0.0500*		*88.8*	*61.5-142*			

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: PLU 19 DTD CVB Project Number: 03C1558853 Project Manager: CHRIS WRIGHT Fax To:	Reported: 24-Jul-26 17:20

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6071738 - General Prep - Organics										
Blank (6071738-BLK1)				Prepared: 17-Jul-26 Analyzed: 20-Jul-26						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*41.2*		mg/kg	*50.0*		*82.4*	*47.1-117*			
Surrogate: 1-Chlorooctadecane	*36.1*		mg/kg	*50.0*		*72.3*	*37.2-119*			
LCS (6071738-BS1)				Prepared: 17-Jul-26 Analyzed: 20-Jul-26						
GRO C6-C10	189	10.0	mg/kg	200		94.4	78.8-120			
DRO >C10-C28	182	10.0	mg/kg	200		90.9	75.1-122			
Total TPH C6-C28	371	10.0	mg/kg	400		92.7	78.8-119			
Surrogate: 1-Chlorooctane	*44.0*		mg/kg	*50.0*		*88.0*	*47.1-117*			
Surrogate: 1-Chlorooctadecane	*40.3*		mg/kg	*50.0*		*80.6*	*37.2-119*			
LCS Dup (6071738-BSD1)				Prepared: 17-Jul-26 Analyzed: 20-Jul-26						
GRO C6-C10	190	10.0	mg/kg	200		95.1	78.8-120	0.771	9.59	
DRO >C10-C28	186	10.0	mg/kg	200		92.9	75.1-122	2.13	9.89	
Total TPH C6-C28	376	10.0	mg/kg	400		94.0	78.8-119	1.44	9.22	
Surrogate: 1-Chlorooctane	*43.4*		mg/kg	*50.0*		*86.7*	*47.1-117*			
Surrogate: 1-Chlorooctadecane	*40.9*		mg/kg	*50.0*		*81.8*	*37.2-119*			

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Chris Wright	P.O. #:	
Address:	3102 National Parks Hwy	Company:	XTO
City:	Carlsbad	Attn:	Dale Woodall
State:	NM	Address:	3104 E Greene St.
Zip:	88220	City:	Carlsbad
Phone #:	575-706-6266	State:	NM
Fax #:		Zip:	88220
Project #:	03C1558853	Phone #:	
Project Owner:		Fax #:	
Project Name:	PLU 19 DTD CVB		
Project Location:	32.205414, -103.920275		
Sampler Name:	Dean Ortiz		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	Chlorides
H264032	*																	
1	SS02A	2'	G	1			✓					✓		7/16/26	1543	✓	✓	✓
2	SS04A	2'	G	1			✓					✓		7/16/26	1609	✓	✓	✓
3	SS05A	2'	G	1			✓					✓		7/16/26	1601	✓	✓	✓

DO

CS-040240115

Relinquished By:	Dean Ortiz	Date: 7/17/26 Time: 0814	Received By: Tanner Cobble
Relinquished By:	Tanner Cobble	Date: 7-17-26 Time: 0935	Received By: SRodriguez
Delivered By: (Circle One)	Sampler - UPS - Bus - Other:	Observed Temp. °C: 3.2	Corrected Temp. °C: 3.3
Sample Condition	Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

cwright@ensolum.com / tmorrissey@ensolum.com / kthompson@ensolum.com

REMARKS: * Customer requested ID changes. TO 7/24/26

Incident #: nAPP2608229992, nAPP2608542337

Cost Center: 2274371001 / GFCM: 48605000

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140 Correction Factor ~~+0.3°C~~ +0.1

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.6 02/12/25

ENSOLUM

APPENDIX E

Spill Volume Calculations

Location:	**POKER LAKE UNIT 19 DOG TOWN DRAW CVB**	
Spill Date:	**3/21/2026**	
Incident #:	**nAPP2608229992**	
Area 1		
Approximate Area =	845	sq. ft.
Average Saturation (or depth) of spill =	4.4	inches
Average Porosity Factor =	0	
VOLUME OF LEAK		
Total Crude Oil =	0	bbls
Total Produced Water =	55	bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	**0**	**bbls**
Total Produced Water =	**55**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**0**	**bbls**
Total Produced Water =	**55**	**bbls**

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Phone: (505) 476-3441

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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 565412

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 565412
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2608229992**
Incident Name	**NAPP2608229992 POKER LAKE UNIT 19 DOG TOWN DRAW CVB @ G-19-24S-30E**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**

Location of Release Source *Please answer all the questions in this group.*	
Site Name	POKER LAKE UNIT 19 DOG TOWN DRAW CVB
Date Release Discovered	03/21/2026
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 | Pump | Produced Water | Released: 55 BBL | Recovered: 55 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)	Discharge point on pump failed, resulting in 55 bbls of Produced Water being released and within lined containment. All 55 bbls of Produced Water were fully contained and recovered.

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 565412
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 03/23/2026

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Oil Conservation Division
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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 565412
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 565412
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Initial C141 is approved. A remediation work plan, site characterization plan or remediation closure is due to the OCD no later than 90-days after the date of discovery, not to exceed 06/21/2026.	3/23/2026

Location:	**PLU 19 DTD CVB**	
Spill Date:	**3/25/2026**	
Incident #:	**nAPP2608542337**	
Area 1		
Approximate Area =	845	sq. ft.
Average Saturation (or depth) of spill =	4	inches
Average Porosity Factor =	0	
TOTAL VOLUME OF LEAK		
Total Crude Oil =		**bbls**
Total Produced Water =	**42**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =		**bbls**
Total Produced Water =	**42**	**bbls**

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

QUESTIONS

Action 567138

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 567138
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2608542337**
Incident Name	**NAPP2608542337 PLU 19 DTD CVB @ FAPP2521349659**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2521349659] PLU 19 DTD CVB**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU 19 DTD CVB
Date Release Discovered	03/25/2026
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 | Pump | Produced Water | Released: 42 BBL | Recovered: 42 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)	42 bbls of produced water was fully released within lined impermeable containment. 42 bbls of produced water was recovered.

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

General Information
Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 567138
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 03/26/2026

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 567138
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 567138

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 567138
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	Initial C-141 approved. A remediation plan or a remediation closure report is due to the OCD no later than 6/23/2026.	3/26/2026

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Santa Fe, NM 87505

QUESTIONS

Action 626666

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 626666
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2608542337**
Incident Name	**NAPP2608542337 PLU 19 DTD CVB @ FAPP2521349659**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**
Incident Facility	**[fAPP2521349659] PLU 19 DTD CVB**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU 19 DTD CVB
Date Release Discovered	03/25/2026
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 | Pump | Produced Water | Released: 42 BBL | Recovered: 42 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)	42 bbls of produced water was fully released within lined impermeable containment. 42 bbls of produced water was recovered.

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 626666
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 09/22/2026

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 626666
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	768
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3560
GRO+DRO (EPA SW-846 Method 8015M)	3199
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	19.5
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	04/07/2026
On what date will (or did) the final sampling or liner inspection occur	07/16/2026
On what date will (or was) the remediation complete(d)	07/16/2026
What is the estimated surface area (in square feet) that will be reclaimed	875
What is the estimated volume (in cubic yards) that will be reclaimed	70
What is the estimated surface area (in square feet) that will be remediated	845
What is the estimated volume (in cubic yards) that will be remediated	68
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 626666
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	a deferral is requested due to impacted soil beneath lined containment. No impacts removed.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 09/22/2026
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 626666
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Impacts immediately below the lined containment, LACT unit, process piping, concrete support pads, steel supports.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	845
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	68
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2521349659 PLU 19 DTD CVB
Enter the well API (30-) on which this deferral should be granted	*Not answered.*
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 09/22/2026

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QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	5380
	Action Number: 626666
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**603139**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/16/2026**
What was the (estimated) number of samples that were to be gathered	**20**
What was the sampling surface area in square feet	**1700**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 626666
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Deferral approved. Deferral of BH-01, BH-01A are approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	9/23/2026