

Location:	CORRAL CANYON 10 E	
Spill Date:	3/29/2025	
Incident #:	nAPP2508932167	
AREA 1		
Approximate Area (on pad)=	870	sq. ft.
Average Saturation (or depth) of spill =	1.00	inches
Average Porosity Factor =	0.25	
VOLUME OF LEAK AREA 1		
Total Crude Oil =		bbls
Total Produced Water =	3.20	bbls
AREA 2		
Approximate Area N (Lined containment)=	2,600	sq. ft.
Average Saturation (or depth) of spill =	0.75	inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	7.20	bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	10.4	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =		bbls
Total Produced Water =	10	bbls



September 19, 2025

New Mexico Oil Conservation Division

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

**Re: Deferral Request
Corral Canyon 10 East
Incident Number nAPP2508932167
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 assessment, delineation, and spill response activities at the Corral Canyon 10 East (Site). The purpose of the assessment and response activities was to address impacts to soil following a produced water release in a lined containment and on the pad surface due to valve failure. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Deferral Request*, describing delineation and remediation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2508932167 until the Site is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 10, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.150588°, -103.970609°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On March 29, 2025, an elevated pipeline valve failure resulted in the release of 10 barrels (bbls) of produced water into a lined containment and onto the surface of the well pad, under and between active production equipment and production pipelines. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 10 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on March 30, 2025, and an Initial C-141 Application (C-141) on April 1, 2025. The release was assigned Incident Number nAPP2508932167.

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. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on data from a soil boring drilled to investigate regional groundwater depth. In May 2021, a soil boring (C-4525) permitted by New Mexico Office of the State Engineer (NMOSE) was completed approximately 0.07 miles southwest of the Site to a depth of 110 feet bgs and was subsequently plugged and abandoned per NMOSE requirements. The Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 1,141 feet southwest 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 potentially underlain by unstable geology (medium 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): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND LINER INSPECTION ACTIVITIES

On April 14, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations of the release. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit.

After a review of the C-141, internal documents, and initial release photographs, it was confirmed the release occurred within a lined containment and onto the pad surface originating from an elevated pipeline valve located above the lined containment wall. A 48-hour advanced notice of the liner inspection was submitted to the NMOCD on April 16, 2025. On April 21, 2025, Ensolum personnel visited the Site to conduct an inspection of the lined containment. The lined containment was inspected, and it was determined the liner was operating as designed. Upon inspection, no rips, tears, holes, or damage was observed. The liner was determined to be operating sufficiently, and all fluids release within the lined containment were recovered. Photographic documentation of the inspection is included in Appendix B.

DELINEATION SOIL SAMPLING ACTIVITIES

On April 21, 2025, Ensolum personnel conducted delineation activities to assess the vertical and lateral extent of the release outside the competent, lined containment. Three delineation soil samples, SS01 through SS03, were collected from a depth of approximately 0.5 feet bgs around the release to assess the lateral extent. Due to the presence of production equipment and pipelines, access to the release extent or soil directly adjacent was limited. Between May 2 and June 26, 2025, Ensolum personnel returned to the Site to vertically delineate the release extent. Two boreholes, BH01 and BH02, were advanced via hand auger within and around the release extent to depths of 9 feet and 1-foot bgs, respectively. Due to hand auger refusal, additional delineation utilizing a core drill was warranted. BH01 was advanced to a terminal depth of 11 feet bgs within the release extent to assess the vertical extent. BH02 was unable to be advanced further with a core drill due to active pipelines and production

equipment limiting access. The core drill requires connection to a water tank for operation. Due to the number of pipelines, height of pipelines, and distance to a clearing for the water tank, the area of BH02 was inaccessible. An additional delineation borehole, SS01, was advanced via core drill to terminal depth of 7 feet bgs where it reached refusal due to a competent formation. Soil samples were collected from each borehole at 1-foot intervals. 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 screening results and observations of the soil samples collected from the boreholes were logged on a lithologic/soil sampling log, which are included in Appendix C. The release extent and delineation soil sample locations are depicted in Figure 2. Photographic documentation 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-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method 4500.

LABORATORY ANALYTICAL RESULTS

Delineation soil samples, SS01 through SS03, collected around the release extent from a depth of 0.5 feet bgs, indicated all COCs were in compliance with Closure Criteria. Laboratory analytical results for delineation boreholes SS01 and BH02 indicated all COCs were in compliance with Closure Criteria. Laboratory analytical results for delineation borehole BH01, collected from depths ranging from 0.5 feet to 10 feet bgs, indicated chloride concentrations exceeded the Closure Criteria but all COCs were in compliance at the terminal depth of 11 feet bgs. It should be noted that this sample location coincides with a previously approved deferral location for chloride impacts (Incident Number nAPP2431829354) and analytical results for the full depth appear related to the previous release and not this current release based on the limited volume of produced water that contacted the ground surface. Laboratory analytical results are summarized in Table 1, and the laboratory analytical reports are included in Appendix D.

SURFACE SCRAPING ACTIVITIES

Following delineation activities, surface scraping of visibly stained soil was conducted in the release area to the maximum extent practicable (MEP). Surface scraping activities were performed utilizing hand tools, as no mechanical equipment could access the impacted soil due to the proximity of active production equipment and surface pipelines within the release extent. Because of the competency of the well pad material, soil removal by hand tools was limited to a surface scrape. Approximately 8 cubic yards of impacted soil were removed. The estimated area of impacted soil left in place immediately adjacent to active production equipment measures approximately 511 square feet, and Ensolum estimates 208 cubic yards of impacted soil remains in place, though this volume appears to be inflated and/or more representative of a prior produced water release that was granted deferral by the NMOCD. The estimated area of remaining impacted soil is presented in Figure 3 along with the previously approved deferral footprint for Incident Number nAPP2431829354.

DEFERRAL REQUEST

XTO is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines preventing excavation of impacted soil. The impacted soil is limited to the area between active production equipment, where remediation would require a major facility deconstruction. The

XTO Energy, Inc
Deferral Request
Corral Canyon 10 East



impacted soil remaining in place is delineated vertically by delineation soil sample BH01K, collected at a depth of 11 feet bgs. The soil is laterally defined by delineation soil samples SS01 through SS02 and BH02. The requested area of deferral directly overlays a previously NMOCD approved deferred area (Incident Number nAPP2431829354). In November 2024, the release of 23 bbls of produced water resulted in the deferral of approximately 344 cubic yards of impacted soil measuring 3,277 square feet. The approved *Deferral Request* was submitted to the NMOCD on February 7, 2025, and approved on May 20, 2025.

XTO does not believe deferral will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 100 feet, no known sensitive receptors are present in and/or around the Site, 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 Number nAPP2508932167 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

Tracy Hillard
Project Engineer

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

cc: Robert Woodall, XTO
Kaylan Dirkx, XTO
BLM

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Deferral Overlap Map
- 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



FIGURES

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Water Utility Line
- Lined Containment
- Infrastructure
- Release Extent/Surface Scrape Extent



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

Delineation Soil Sample Locations



XTO Energy, Inc
 Corral Canyon 10 East
 Incident Number: NAPP2508932167
 Unit B, Section 10, T 25S, R 29E
 Eddy County, New Mexico

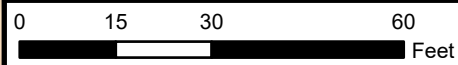
FIGURE

2



Legend

-  Requested Deferral – Incident Number nAPP2508932167
-  Approved Deferral – Incident Number nAPP2431829354



Sources: Environmental Systems Research Institute (ESRI)



Deferral Overlap Map

XTO Energy, Inc
Corral Canyon 10 East
Incident Number: NAPP2508932167
Unit B, Section 10, T 25S, R 29E
Eddy County, New Mexico

FIGURE
3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Corral Canyon 10 East
 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	NE	100	600
Delineation Soil Samples										
SS01A	06/26/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS01	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS01B	06/26/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS01C	06/26/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS01D	06/26/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SS01E	06/26/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SS01F	06/26/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS01G	06/26/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS01H	06/26/2025	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS02	04/21/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SS03	04/21/2025	0.5	<0.050	<0.300	<10.0	55.6	17.3	55.6	72.9	32.0
BH01	05/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	13,100
BH01A	05/02/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	22,600
BH01D	05/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,000
BH01E	05/02/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,000
BH01I	05/02/2025	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,360
BH01J	05/14/2025	10	<0.050	<0.300	<10.0	49.8	<10.0	49.8	49.8	1,170
BH01K	05/14/2025	11	<0.050	<0.300	<10.0	25.2	<10.0	25.2	25.2	192
BH02	05/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
BH02A	05/02/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

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.

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



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us


1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (MW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4525			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32°	MINUTES 8'	SECONDS 57.48" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103°	58'	18.24" W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE Sec. 10 T25S R29E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 05/26/2021		DRILLING ENDED 05/26/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD		ADDITIVES - SPECIFY:					
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY:		Hollow Stem Auger					
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	±8.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO.	C-4525	POD NO.	1	TRN NO.	692090
LOCATION	Expl	25S.29E.10.213		WELL TAG ID NO.	—
					PAGE 1 OF 2

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4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	24	24	CALICHE, mod. consolidated, tan-off white, dry	Y ✓ N	
	24	29	5	SAND, poorly graded, very- fine grained, caliche gravel, light-brown	Y ✓ N	
	29	39	10	SAND, poorly graded, very- fine grained, caliche gravel, light-brown, moist	Y ✓ N	
	39	44	5	SAND, poorly graded, very- fine grained, light-brown, moist	Y ✓ N	
	44	59	15	SAND, poorly graded, very- fine grained, light-brown, moist	Y ✓ N	
	59	69	10	SAND, poorly graded, very- fine grained, brown, moist	Y ✓ N	
	69	74	5	SAND, poorly graded, very- fine grained, caliche gravel, brown, moist	Y ✓ N	
	74	79	5	SILTY SAND, poorly graded, very- fine grained, caliche gravel, brown, moist	Y ✓ N	
	79	89	10	SAND, poorly graded, very- fine grained, with silt, brown, moist	Y ✓ N	
	89	94	5	SILTY SAND, poorly graded, very- fine grained, caliche gravel, brown, moist	Y ✓ N	
	94	110	16	SILTY SAND, poorly graded, very- fine grained, brown, moist	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:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO. C-4525	POD NO. 1	TRN NO. 692090	
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2	

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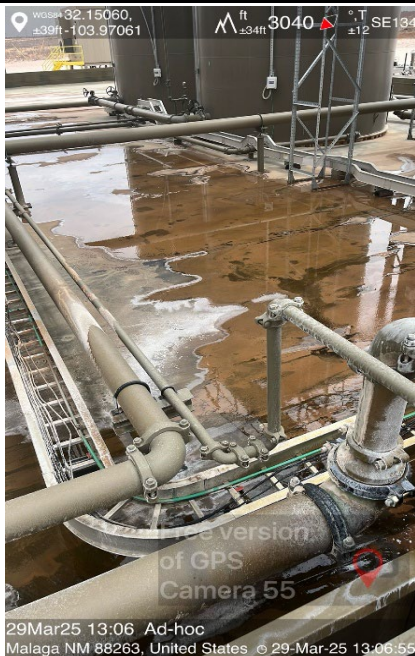


APPENDIX B

Photographic Log



Photographic Log
XTO Energy, Inc
Corral Canyon 10 East
nAPP2508932167



Photograph: 1 Date: 3/29/2025
Description: Initial release in containment
View: Southeast



Photograph: 2 Date: 3/29/2025
Description: Initial point of release
View: North



Photograph: 3 Date: 3/29/2025
Description: Initial release out of containment
View: Direct



Photograph: 4 Date: 4/14/2025
Description: Assessment activities
View: North



Photographic Log
XTO Energy, Inc
Corral Canyon 10 East
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Photograph: 5 Date: 4/14/2025
Description: Assessment activities
View: South

Photograph: 6 Date: 4/21/2025
Description: Well sign
View: West



Photograph: 7 Date: 4/21/2025
Description: Liner inspection activities
View: Southwest

Photograph: 8 Date: 4/21/2025
Description: Liner inspection activities
View: East



Photographic Log
XTO Energy, Inc
Corral Canyon 10 East
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Photograph: 9 Date: 4/21/2025
Description: Liner inspection activities
View: Southwest

Photograph: 10 Date: 4/21/2025
Description: Liner inspection activities
View: South



Photograph: 11 Date: 4/21/2025
Description: Liner inspection activities
View: West

Photograph: 12 Date: 4/21/2025
Description: Liner inspection activities
View: South



Photographic Log
XTO Energy, Inc
Corral Canyon 10 East
nAPP2508932167



Photograph: 13 Date: 5/2/2025
Description: Delineation activities; near BH01
View: Southeast

Photograph: 14 Date: 5/14/2025
Description: Core drill delineation; near BH01
View: North




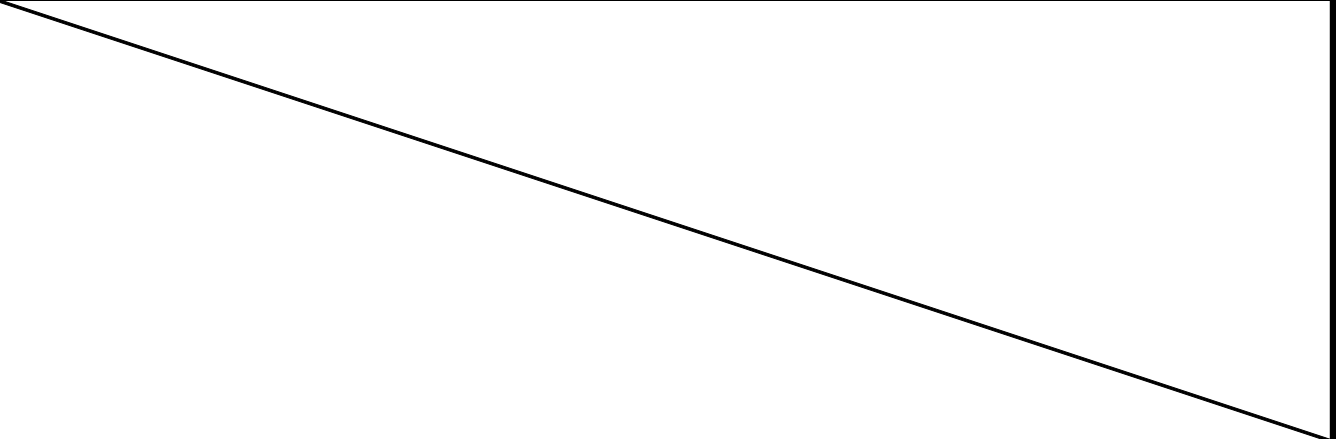
Photograph: 15 Date: 6/26/2025
Description: Delineation activities; near SS01
View: Direct


Photograph: 16 Date: 9/16/2025
Description: After surface scraping activities
View: Southwest


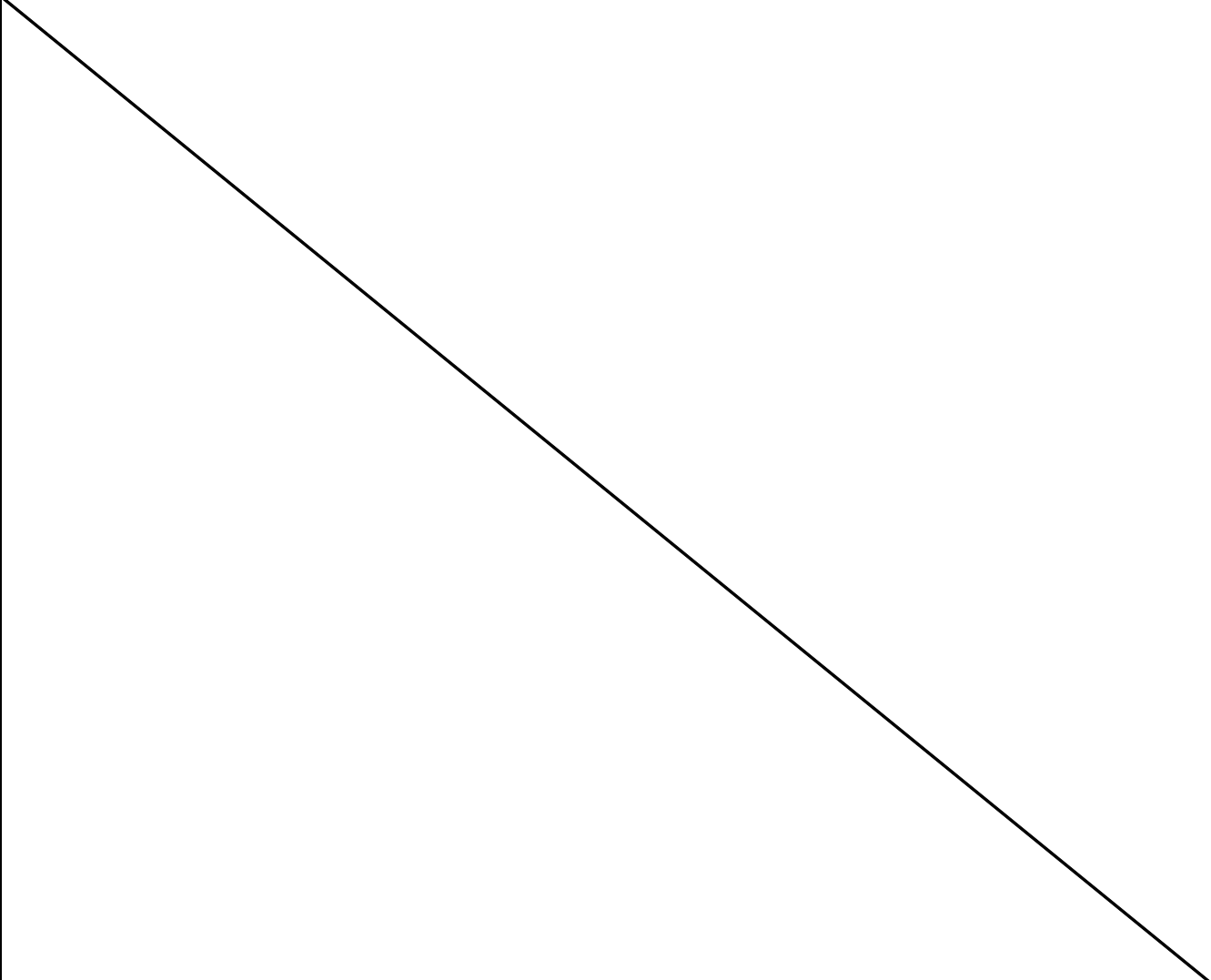


APPENDIX C

Lithologic Soil Sampling Logs

					Sample Name: SS01		Date:6/26/2025	
					Site Name: Corral Canyon 10 East			
					Incident Number: nAPP2508932167			
					Job Number: 03C1558629			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: CDW		Method: Core Drill	
Coordinates: 32.150474, -103.970147					Hole Diameter: 4"		Total Depth: 7'	
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% chloride 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
Dry	174	0.2	N	SS01A	0.25	0	CCHE	(0-2') CALICHE, tan, with silt
Dry	<174	0.0	N	SS01B	1	1		
Dry	<174	2.9	N	SS01C	2	2	SW	(2-5') SAND, dark brown, well graded, medium to fine grain, noncohesive
Dry	174	1.2	N	SS01D	3	3		
Dry	207	0.0	N	SS01E	4	4		
M	<174	0.1	N	SS01F	5	5	CL	(5-6') CLAY, light brown to white, lean clay, with silt, trace caliche clasts, cohesive
Dry	<174	0.0	N	SS01G	6	6	SM	(6-7') SAND, light brown, medium to fine grain, some silt, non plastic, non cohesive
M	<174	0.0	N	SS01H	7	7	CH	(@7') CLAY, light brown, with silt, high plasticity cohesive, trace sand
Total Depth @ 7 feet bgs - refusal								
								

							Sample Name: BH01		Date: 5/2-14/2025	
							Site Name: Corral Canyon 10 East			
							Incident Number: nAPP2508932167			
							Job Number: 03C1558629			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: CDW		Method: Core Drill	
Coordinates: 32.150474, -103.970147							Hole Diameter: 4"		Total Depth: 11'	
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% chloride 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		
Dry	12,611	0.0	N	BH01	0.5	0	CCHE	(0-2') CALICHE, tan, fine grained, with silt		
Dry	21,185	0.0	N	BH01A	1	1				
Dry	11,665	0.0	N		2	2	SP	(2-5') SAND, brown, fine grained, poorly sorted		
Dry	8,607	0.0	N		3	3				
Dry	7,986	0.0	N	BH01D	4	4				
Dry	12,611	0.0	N	BH01E	5	5	CCHE	(5-11') CALICHE, tan, fine grained, with silt		
Dry	5,866	0.0	N		6	6				
Dry	3,293	0.0	N		7	7				
Dry	3,556	0.0	N		8	8				
Dry	1,966	0.0	N	BH01I	9	9				
Dry	1,579	0.0	N	BH01J	10	10				
Dry	<162	0.0	N	BH01K	11	11				
Total Depth @ 11 feet bgs										

					Sample Name: BH02		Date: 5/2/2025	
					Site Name: Corral Canyon 10 East			
					Incident Number: nAPP2508932167			
					Job Number: 03C1558629			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: CDW		Method: Hand Auger	
Coordinates: 32.150474, -103.970147					Hole Diameter: 4"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride 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	0	CCHE	(0-1') CALICHE, tan, fine grained
Dry	<162	0.0	N	BH02	0.5	0.5		
Dry	<162	0.0	N	BH02A	1	1		
Total Depth @ 1-foot bgs - Hand auger refusal								
								



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

April 28, 2025

TRACY HILLARD
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: CORRAL CANYON 10 EAST - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 04/22/25 13:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/22/2025	Sampling Date:	04/21/2025
Reported:	04/28/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	OXY 32.150576-103.970620		

Sample ID: SS 01 0.5' (H252398-01)

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	04/25/2025	ND	2.16	108	2.00	3.19	
Toluene*	<0.050	0.050	04/25/2025	ND	2.27	114	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.13	107	2.00	2.71	QM-07
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.35	106	6.00	1.90	QM-07
Total BTEX	<0.300	0.300	04/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/24/2025	ND	400	100	400	11.3	

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	04/24/2025	ND	203	102	200	0.571	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	199	99.4	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/22/2025	Sampling Date:	04/21/2025
Reported:	04/28/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	OXY 32.150576-103.970620		

Sample ID: SS 02 0.5' (H252398-02)

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	04/25/2025	ND	2.16	108	2.00	3.19		
Toluene*	<0.050	0.050	04/25/2025	ND	2.27	114	2.00	3.15		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.13	107	2.00	2.71		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.35	106	6.00	1.90		
Total BTEX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/24/2025	ND	432	108	400	0.00	QM-07	

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	04/24/2025	ND	203	102	200	0.571		
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	199	99.4	200	2.25		
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND						

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/22/2025	Sampling Date:	04/21/2025
Reported:	04/28/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	OXY 32.150576-103.970620		

Sample ID: SS 03 0.5' (H252398-03)

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	04/25/2025	ND	2.16	108	2.00	3.19		
Toluene*	<0.050	0.050	04/25/2025	ND	2.27	114	2.00	3.15		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.13	107	2.00	2.71		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.35	106	6.00	1.90		
Total BTEX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-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	04/24/2025	ND	432	108	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	04/24/2025	ND	203	102	200	0.571		
DRO >C10-C28*	55.6	10.0	04/24/2025	ND	199	99.4	200	2.25		
EXT DRO >C28-C36	17.3	10.0	04/24/2025	ND						

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC
Project Manager: Tracy Hillard
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 575-937-3906 Fax #:
Project #: 03C1558629 Project Owner: XTO Energy
Project Name: Corral Canyon 10 East - SPILLS
Project Location: 32.150576, -103.970620
Sampler Name: Alex Ferrell
BILL TO ANALYSIS REQUEST
P.O. #:
Company: XTO Energy, Inc
Attn: Colton Brown
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:
FOR LAB USE ONLY
Lab I.D. Sample I.D. Depth (feet)
H252398 1 SS01 0.5
2 SS02 0.5
3 SS03 0.5
MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER
PRESERV: ACID/BASE, ICE/COOL, OTHER
SAMPLING: DATE, TIME
TPH 8015, BTEX 8021, Chloride 4500

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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.

Relinquished By: [Signature] Date: 4-22-25 Time: 1:53
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: Yes No Add'l Phone #:
All Results are emailed. Please provide Email address:
T.Morrissey@ensolum.com, T.Hillard@ensolum.com, K.Thomason@ensolum.com
REMARKS: Incident Number: nAPP2508932167
Cost Center: 1056571001
GFCM: 48605000
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: 2.1
Corrected Temp. °C: 2.4
Sample Condition: Cool Intact
Checked By: (Initials)
Turnaround Time: #140 Standard Rush
Thermometer ID: #113
Correction Factor: -0.5°C
Bacteria (only) Sample Condition: Cool Intact
Observed Temp. °C:
Corrected Temp. °C:

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



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

May 07, 2025

TRACY HILLARD
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: CORRAL CANYON 10 EAST - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 05/05/25 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/05/2025	Sampling Date:	05/02/2025
Reported:	05/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.150576-103.970620		

Sample ID: BH 01 0.5' (H252662-01)

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	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13100	16.0	05/05/2025	ND	400	100	400	7.69	

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	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/05/2025	Sampling Date:	05/02/2025
Reported:	05/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.150576-103.970620		

Sample ID: BH 01 A 1' (H252662-02)

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	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22600	16.0	05/05/2025	ND	400	100	400	7.69	

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	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/05/2025	Sampling Date:	05/02/2025
Reported:	05/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.150576-103.970620		

Sample ID: BH 01 D 4' (H252662-03)

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	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	05/05/2025	ND	400	100	400	7.69	

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	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/05/2025	Sampling Date:	05/02/2025
Reported:	05/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.150576-103.970620		

Sample ID: BH 01 E 5' (H252662-04)

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	05/05/2025	ND	1.96	97.9	2.00	10.3		
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53		
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6		
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7		
Total BTEX	<0.300	0.300	05/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	05/06/2025	ND	416	104	400	3.77	QM-07	

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	05/05/2025	ND	190	95.1	200	1.18		
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947		
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND						

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/05/2025	Sampling Date:	05/02/2025
Reported:	05/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.150576-103.970620		

Sample ID: BH 01 I 9' (H252662-05)

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	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	05/06/2025	ND	480	120	400	10.5	

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	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- 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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC
Project Manager: Tracy Hillard
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 575-937-3906 Fax #:
Project #: 03C1558629 Project Owner: XTO Energy
Project Name: Corral Canyon 10 East - Spill
Project Location: 32.150576, -103.970620
Sampler Name: Jesse Dorman
BILL TO: P.O. #:
Company: XTO Energy, Inc
Attn: Colton Brown
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:
ANALYSIS REQUEST: TPH 8015, BTEX 8021, Chloride 4500

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.

Relinquished By: [Signature] Date: 5.5.25 Time: 1:00
Received By: [Signature] Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: JReich@ensolum.com
BBell@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com, KThomason@ensolum.com, Jdorman@ensolum.com
REMARKS: Incident Number: nAPP2508932167
Cost Center: 1056571001
GFCM: 48605000
Delivered By: (Circle One) Observed Temp. °C 2.8 Sample Condition Cool Intact [] Yes [] No
Sampler - UPS - Bus - Other: Corrected Temp. °C 2.8 CHECKED BY: (Initials) [Signature]
Turnaround Time: #140 Standard [] Rush [] Bacteria (only) Sample Condition Cool Intact [] Yes [] No
Thermometer ID #13 Correction Factor: -0.5°C Tax 4/6 hr Yes [] No [] Corrected Temp. °C
No 5/5/25



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

May 06, 2025

TRACY HILLARD
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: CORRAL CANYON 10 EAST - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 05/05/25 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/05/2025	Sampling Date:	05/02/2025
Reported:	05/06/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	OXY 32.150576-103.970620		

Sample ID: BH 02 0.5' (H252663-01)

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	05/05/2025	ND	1.76	87.9	2.00	1.29	
Toluene*	<0.050	0.050	05/05/2025	ND	1.92	96.2	2.00	0.125	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.98	99.0	2.00	0.699	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.29	105	6.00	0.726	
Total BTEX	<0.300	0.300	05/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/06/2025	ND	416	104	400	3.77	

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	05/05/2025	ND	186	92.9	200	0.570	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	201	100	200	0.168	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/05/2025	Sampling Date:	05/02/2025
Reported:	05/06/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	OXY 32.150576-103.970620		

Sample ID: BH 02 A 1' (H252663-02)

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	05/05/2025	ND	1.76	87.9	2.00	1.29	
Toluene*	<0.050	0.050	05/05/2025	ND	1.92	96.2	2.00	0.125	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.98	99.0	2.00	0.699	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.29	105	6.00	0.726	
Total BTEX	<0.300	0.300	05/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/06/2025	ND	416	104	400	3.77	

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	05/05/2025	ND	186	92.9	200	0.570	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	201	100	200	0.168	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC
Project Manager: Tracy Hillard
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: 575-937-3906 Fax #:
Project #: 03C1558629 Project Owner: XTO Energy
Project Name: Corral Canyon 10 East - Spill
Project Location: 32.150576, -103.970620
Sampler Name: Jesse Dorman
BILL TO ANALYSIS REQUEST
P.O. #:
Company: XTO Energy, Inc
Attn: Colton Brown
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:
FOR LAB USE ONLY
Lab I.D. Sample I.D. Depth (feet)
H252663 1 B402 .5'
2 BA02A 1'
SD
MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER
PRESERV: ACID/BASE, ICE/COOL, OTHER
SAMPLING: DATE, TIME
TPH 8015, BTEX 8021, Chloride 4500

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.

Relinquished By: Date: 5-5-25 Time: 12:20 Received By: Verbal Result: All Results are emailed. Please provide Email address: JReich@ensolum.com, BBeill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com, KThomason@ensolum.com, Jdorman@ensolum.com
REMARKS: Incident Number: nAPP2508932167 Cost Center: 1056571001 GFCM: 48605000
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C 25 Corrected Temp. °C 2.8 Sample Condition Cool Intact Checked By: Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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



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

May 21, 2025

TRACY HILLARD
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: CORRAL CANYON 10 EAST - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.150576-103.970620		

Sample ID: BH 01J 10' (H252941-01)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	05/16/2025	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	05/16/2025	ND	180	89.8	200	1.49	
DRO >C10-C28*	49.8	10.0	05/16/2025	ND	175	87.4	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/15/2025	Sampling Date:	05/14/2025
Reported:	05/21/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.150576-103.970620		

Sample ID: BH 01K 11' (H252941-02)

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	05/16/2025	ND	2.19	110	2.00	0.727	
Toluene*	<0.050	0.050	05/16/2025	ND	2.32	116	2.00	1.50	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.19	110	2.00	2.00	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.54	109	6.00	1.76	
Total BTEX	<0.300	0.300	05/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/16/2025	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	05/16/2025	ND	180	89.8	200	1.49	
DRO >C10-C28*	25.2	10.0	05/16/2025	ND	175	87.4	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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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

Celey D. Keene, Lab Director/Quality Manager



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

July 07, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 10 EAST

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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 accredited 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,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - 32.150576-103970620		

Sample ID: SS 01 - A 0.25' (H253924-01)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2025	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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.5 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 10 EAST
 Project Number: 03C1558629
 Project Location: XTO - 32.150576-103970620

Sampling Date: 06/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 - B 1' (H253924-02)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/01/2025	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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.4 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 10 EAST
 Project Number: 03C1558629
 Project Location: XTO - 32.150576-103970620

Sampling Date: 06/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 - C 2' (H253924-03)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/01/2025	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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - 32.150576-103970620		

Sample ID: SS 01 - D 3' (H253924-04)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/01/2025	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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 10 EAST
 Project Number: 03C1558629
 Project Location: XTO - 32.150576-103970620

Sampling Date: 06/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 - E 4' (H253924-05)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 63.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 10 EAST
 Project Number: 03C1558629
 Project Location: XTO - 32.150576-103970620

Sampling Date: 06/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 - F 5' (H253924-06)

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	06/30/2025	ND	1.95	97.3	2.00	5.34		
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/01/2025	ND	400	100	400	3.92		

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	06/30/2025	ND	207	104	200	2.76		
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36		
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND						

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.2 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 10 EAST
 Project Number: 03C1558629
 Project Location: XTO - 32.150576-103970620

Sampling Date: 06/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 - G 6' (H253924-07)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-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	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 10 EAST	Sampling Condition:	Cool & Intact
Project Number:	03C1558629	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - 32.150576-103970620		

Sample ID: SS 01 - H 7' (H253924-08)

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	06/30/2025	ND	1.95	97.3	2.00	5.34	
Toluene*	<0.050	0.050	06/30/2025	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.01	101	2.00	4.81	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.97	99.6	6.00	5.07	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-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	07/01/2025	ND	400	100	400	3.92	

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	06/30/2025	ND	207	104	200	2.76	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	192	95.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 65.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST										
Project Manager: TRACY HILLARD		P.O. #:												
Address: 3122 National Parks Hwy		Company: XTO ENERGY, INC												
City: Carlsbad	State: NM	Zip: 88220	Attn: DALE WOODALL											
Phone #: 575.937.3906	Fax #:		Address: 3403 E GREEN ST											
Project #: 03C 1558 629	Project Owner:		City: CARLSBAD											
Project Name: CORRAL CANYON 10 EAST		State: NM		Zip: 88220										
Project Location: (32.150576, -103.970620)		Phone #:												
Sampler Name: CHRIS WRIGHT		Fax #:												

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			DATE	TIME	Chlorides	TPH	BTEX
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL					
H053924																	
1	SS01-A	0.25	G	1			✓				✓	✓	6/26/25	1306	✓	✓	✓
2	SS01-B	1	G	1			✓				✓	✓	6/26/25	1334	✓	✓	✓
3	SS01-C	2	G	1			✓				✓	✓	6/26/25	1342	✓	✓	✓
4	SS01-D	3	G	1			✓				✓	✓	6/26/25	1349	✓	✓	✓
5	SS01-E	4	G	1			✓				✓	✓	6/26/25	1405	✓	✓	✓
6	SS01-F	5	G	1			✓				✓	✓	6/26/25	1452	✓	✓	✓
7	SS01-G	6	G	1			✓				✓	✓	6/26/25	1510	✓	✓	✓
8	SS01-H	7	G	1			✓				✓	✓	6/26/25	1547	✓	✓	✓

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Relinquished By: Chris Wright	Date: 6/30/25 Time: 1210	Received By: S. Padrigney	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: thillard@ensolum.com kthomason@ensolum.com tmorrissey@ensolum.com wright@ensolum.com
Delivered By: (Circle One)	Observed Temp. °C: 3.8	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	REMARKS: Incident: NAPP2 508932167 Cost Center: 1056571001 Gferm: 48605000
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 4.1	CHECKED BY: (Initials) SJP	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID: #140 Correction Factor: +0.3C

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

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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 507979

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 507979
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2508932167
Incident Name	NAPP2508932167 CORRAL CANYON 10 EAST [FAPP2123048035] @ FAPP2123048035
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2123048035] Corral Canyon 10 East

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	CORRAL CANYON 10 EAST [FAPP2123048035]
Date Release Discovered	03/29/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 10 BBL Recovered: 10 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)	Not answered.

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QUESTIONS, Page 2

Action 507979

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 507979
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/22/2025
----------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 507979

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 507979
	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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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 ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	22600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	72.9
GRO+DRO (EPA SW-846 Method 8015M)	55.6
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	04/21/2025
On what date will (or did) the final sampling or liner inspection occur	06/26/2025
On what date will (or was) the remediation complete(d)	06/26/2025
What is the estimated surface area (in square feet) that will be reclaimed	511
What is the estimated volume (in cubic yards) that will be reclaimed	208
What is the estimated surface area (in square feet) that will be remediated	511
What is the estimated volume (in cubic yards) that will be remediated	208

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

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

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QUESTIONS, Page 4

Action 507979

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 507979
	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.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/22/2025
----------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

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

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QUESTIONS, Page 5

Action 507979

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 507979
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	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	Surface and subsurface pipelines, power poles, electrical lines, lined containment with tanks would cause major facility deconstruction.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	511
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	208
<i>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.</i>	
Enter the facility ID (##) on which this deferral should be granted	fAPP2123048035 Corral Canyon 10 East
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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/22/2025

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QUESTIONS, Page 6

Action 507979

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 507979
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	476466
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/27/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	2400

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

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 507979

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 507979
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	12/1/2025