

Location:	JRU 195H	
Spill Date:	6/13/2025	
Incident #:		
Area 1		
Approximate Area =	570	sq. ft.
Average Saturation (or depth) of spill =	6.00	inches
Average Porosity Factor =	0.20	
VOLUME OF LEAK		
Total Crude Oil =	3.00	bbls
Total Produced Water =	7.00	bbls
Area 2		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	3.00	bbls
Total Produced Water =	7.0	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =		bbls
Total Produced Water =		bbls



September 10, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
JRU 195H
Incident Number nAPP2516450474
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document site assessment, excavation, and soil sampling activities at the JRU 195H (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil and produced water at the Site. Based on field observations and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remedial activities that have occurred and requesting no further remediation for Incident Number nAPP2516450474.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site was reported to be located in Unit P, Section 36, Township 22 South, Range 30 East, in Eddy County, New Mexico (32.34294°, -103.82641°) on a pad associated with the JRU 195H oil well. After a review of documents associated with the release, including release photos, the release location is approximately 0.28 miles west of the originally reported location. The updated Site location is in Unit O, Section 36, Township 22 South, Range 30 East, in Eddy County, New Mexico (32.34373°, -103.83116°) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (SLO) under Lease Number E052290010.

On June 13, 2025, corrosion of a flowline associated with the JRU 195H well resulted in the release of approximately 3 barrels (bbls) of crude oil and 7 bbls of produced water onto a lease road and into an adjacent pasture area. No released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on June 13, 2025, and an Initial C-141 Application (C-141) on June 16, 2025. The release was assigned Incident Number nAPP2516450474.

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 a soil boring drilled for determination of regional groundwater depth. Between January 18 and January 21, 2020, a soil boring permitted by New Mexico Office of the State Engineer (OSE) well C-4387, located approximately 0.33 miles northwest of the Site was drilled utilizing sonic drilling method. The boring was drilled to a total depth of 110 feet bgs. A field geologist logged and described soils continuously. No groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for the potential slow infill of groundwater. After the 72-hour waiting period and without observing groundwater, it was confirmed that groundwater at that location is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The well log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 6,094 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 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

SLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

Cultural Properties Protection

A portion of the release was identified in the pasture, as a result, the release location was assessed for determination of whether the release encroached into undisturbed areas to comply with the Cultural Properties Protection Rule (CPP) prior to disturbing the surface with mechanical equipment. An Archaeological Records Management System (ARMS) review was performed for the release extent prior to excavation. No cultural resources were identified within and/or around the release extent requiring remediation efforts. The CPP Rule cover sheet presenting the ARMS review results and SLO approval letter is attached in Appendix B.

Biological Review

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

- A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical habitats at the Site. Potential habitats for Texas Hornshell Clam and Piping Plover were identified as potentially being present in nearby areas, but none were observed at the Site. A review of the BLM NM Plant Wildlife Habitat maps

indicated that there are potential Scheer's beehive cactus located near the Site but none were observed at the Site.

- The Site is located within an area of possible range of the Lesser Prairie Chicken habitat based on a review of NMSLO CCAA map.
 - From March 1st through June 15th, no remediation activities will occur between the hours of 3:00 am to 9:00 am to protect any Lesser Prairie Chickens within the area.
- The Site is overlying medium karst potential which is identified as an environmentally sensitive receptor.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Site as Berino complex loamy sand. The Berino complex loamy sand is not considered a sensitive soil per the NMSLO guidelines.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between June 16 and June 20, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. Delineation soil samples (SS01 through SS06) were collected from a depth of 0.5 feet bgs from within and around the release extent. Delineation soil samples SS01 and SS02 were collected inside the release area and SS03 through SS06 were collected outside the release area to confirm the lateral definition of the release. In order to delineate the release vertically, two delineation boreholes were advanced via hand auger in the vicinity of SS01 and SS02 to a maximum depth of 4 feet bgs. Soil samples from the delineation boreholes were field screened at depths ranging from 0.5 feet to 4 feet bgs for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic soil sampling logs, which are included in Appendix C. The release extent, point of release (POR), and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix D.

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 Standards Method SM4500.

Laboratory analytical results for delineation soil samples SS01 collected at 0.5 feet and 1-foot bgs and SS02 collected at 0.5 feet, 2 feet, and 3 feet bgs indicated TPH concentrations exceeded Closure Criteria. Analytical results for SS01 and SS02 collected at 0.5 feet bgs indicated BTEX concentrations exceeded Closure Criteria. Analytical results for SS01 collected at depths ranging from 0.5 feet to 4 feet bgs, and SS02 collected at depths ranging from 0.5 feet to 3 feet bgs indicated chloride and/or BTEX concentrations exceeded Closure Criteria. Laboratory analytical results for delineation soil samples SS03 through SS06 indicated all COCs were in compliance with Closure Criteria, successfully defining the lateral extent of the release. Based on delineation laboratory analytical results, excavation of impacted soil was warranted.

EXCAVATION SOIL SAMPLING ACTIVITIES

On June 26 and June 27, 2025, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by delineation soil sample laboratory analytical results, visible staining and field screening activities. Excavation activities were performed utilizing a hydrovac, backhoe, and transport trucks. To direct excavation activities, Ensolum personnel field screened the soil samples for VOCs and chloride in the same manner as described above. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS04 were collected from the floor of the excavation at a depth of 5 feet bgs. Confirmation sidewall soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from ground surface to 5 feet bgs. The confirmation soil samples were handled, transported, and analyzed for the same COCs as described above and submitted to Cardinal. The excavation extent and confirmation soil sample locations were mapped utilizing a handheld GPS unit and are presented on Figure 3.

The final excavation extent measured approximately 770 square feet. A total of approximately 140 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Halfway Disposal in Hobbs, New Mexico. Based on nearby pipeline repairs at the Site, the backfill has been delayed. Once the pipeline repairs are completed, the excavation will be backfilled with material purchased locally and the area recontoured to match pre-existing Site conditions. The once the disturbed pasture area is backfilled, the area will be reseeded with an SLO approved seed mix during the next recommended planting season.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all confirmation soil samples collected indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirements. All delineation soil samples listed above that previously indicated COC concentrations exceeding Closure Criteria, were removed during excavation activities. Additionally, all confirmation sidewall soil samples indicated all COC concentrations were compliant with the reclamation requirement, confirming the lateral extent of the release. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix E.

CLOSURE REQUEST

Site assessment, delineation, and excavation activities were conducted at the Site to address the June 12, 2025, release of crude oil and produced water. Laboratory analytical results for the confirmation soil samples collected from the final excavation extent, indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Based on the soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing Site conditions. All disturbed pasture areas will be reseeded with a SLO approved seed mix in the next recommended planting season and a reclamation report will be submitted.

Excavation of waste-containing soil has mitigated potential impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2516450474.

XTO Energy, Inc
Closure Request
JRU 195H



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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink that reads "Tracy Hillard".

Tracy Hillard
Project Engineer

A handwritten signature in black ink that reads "Morrissey".

Tacoma Morrissey
Associate Principal

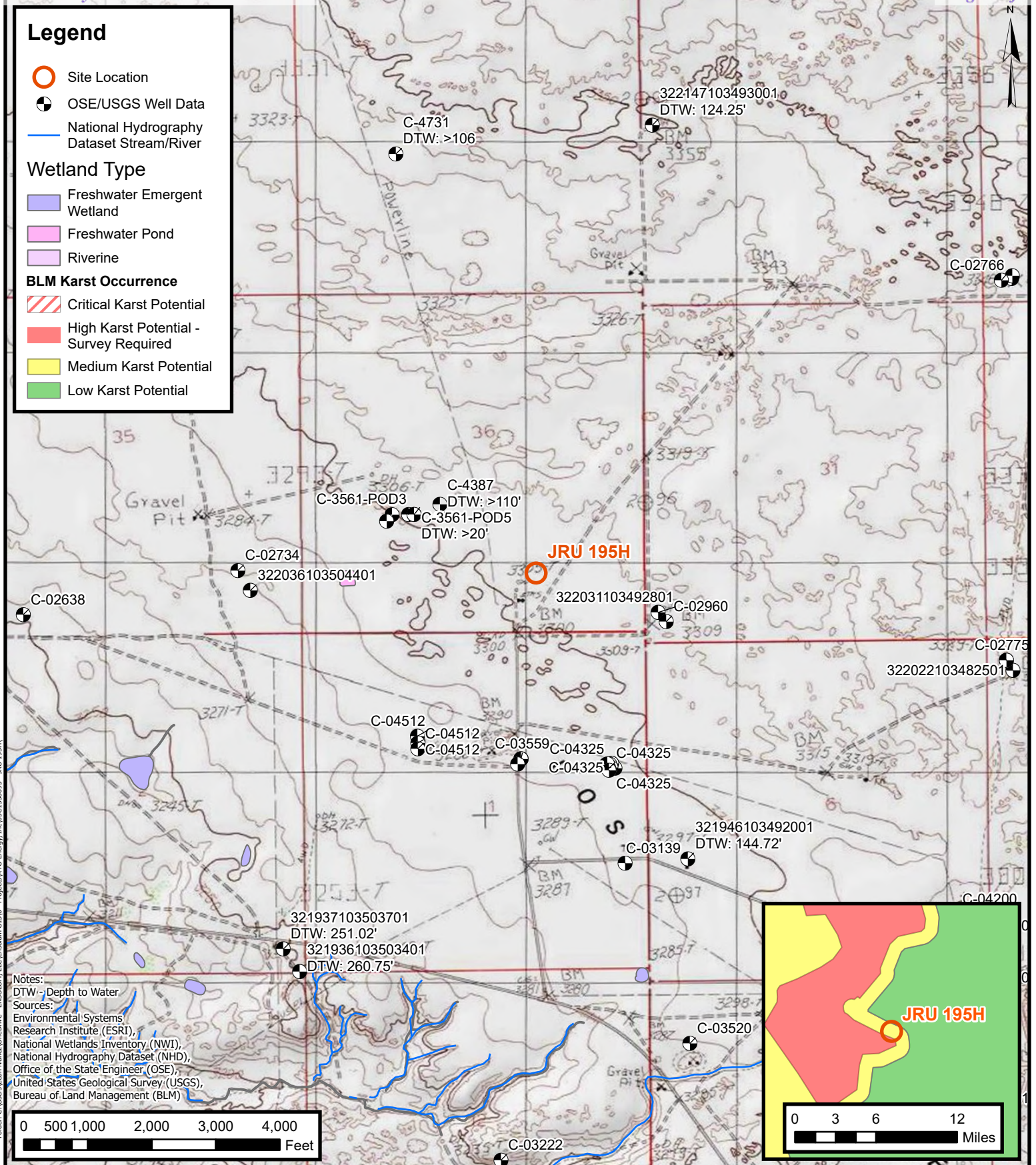
cc: Colton Brown, XTO
Kaylan Dirkx, XTO
SLO

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Land Access References
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Photographic Log
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



Site Receptor Map

XTO ENERGY, INC.

JRU 195H

Incident Number: nAPP2516450474

Unit O, Section 36, T 22S, R 30E

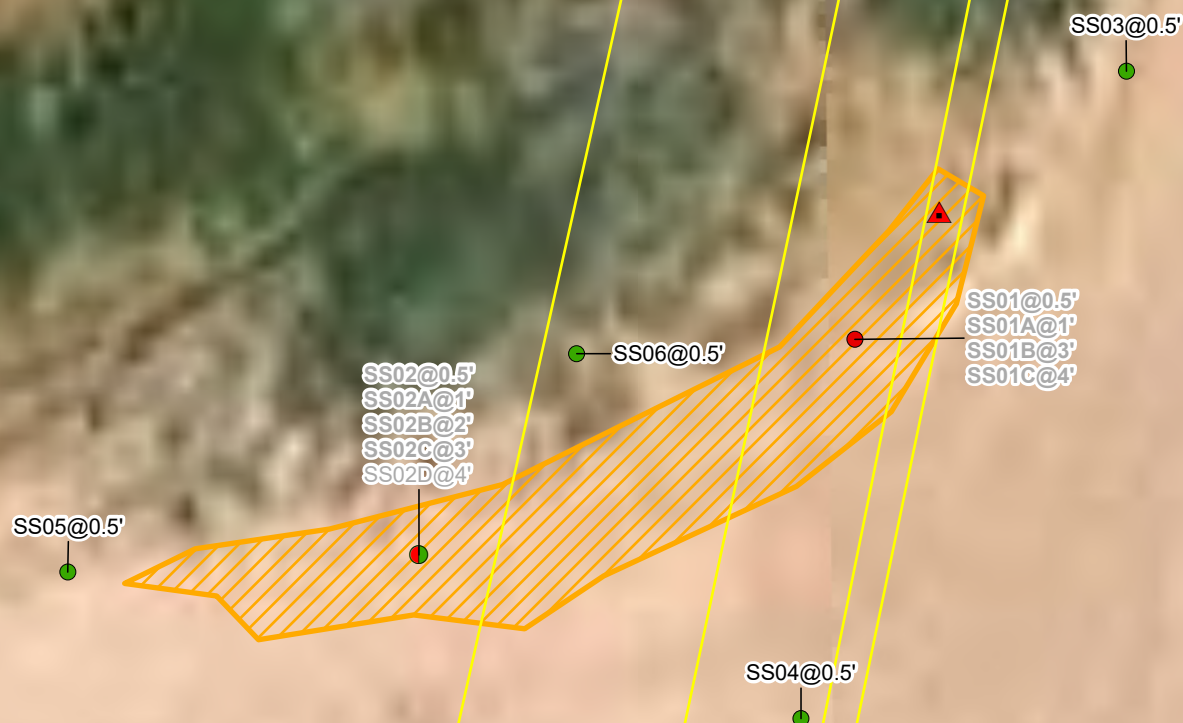
Eddy County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- ▲ Point of Release (POR)
- Oil and Gas Utility Line
- ▨ Release Extent



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

0 12 24
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

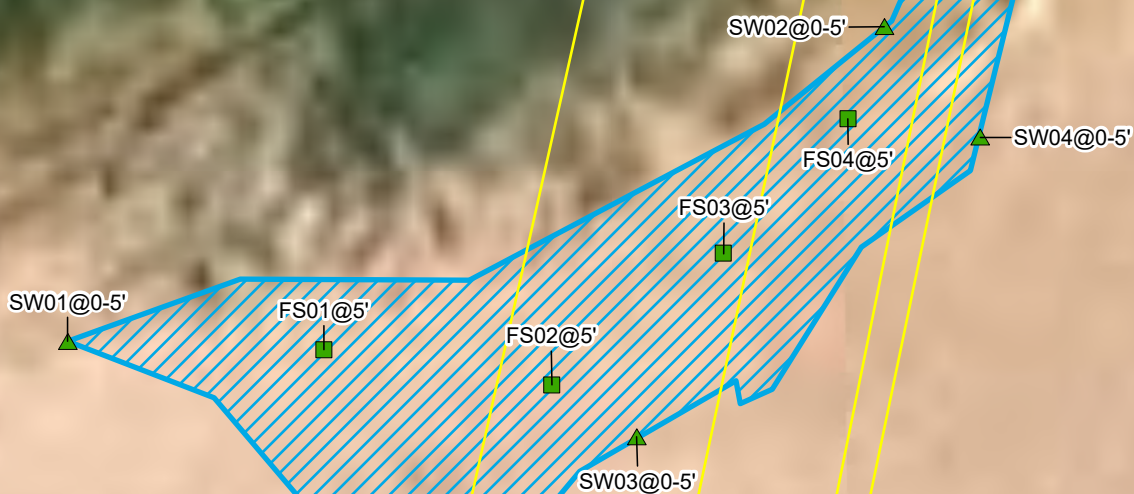
XTO ENERGY, INC.
 JRU 195H
 Incident Number: nAPP2516450474
 Unit O, Section 36, T 22S, R 30E
 Eddy County, New Mexico

FIGURE

2

Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- ▨ Excavation Extent



Notes:
Sample ID @ Depth Below Ground/Surface.

0 12 24
Feet

Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Locations

XTO ENERGY, INC.
JRU 195H
Incident Number: nAPP2516450474
Unit O, Section 36, T 22S, R 30E
Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
JRU 195H
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										
SS01	06/16/2025	0-5	5.92	144	3,730	7,820	1,310	11,550	12,860	8,130
SS01A	06/20/2025	1	<0.050	<0.300	<10.0	230	60.1	230	290	8,200
SS01B	06/20/2025	3	<0.050	<0.300	<10.0	39.5	12.0	39.5	51.5	2,880
SS01C	06/20/2025	4	<0.050	<0.300	<10.0	27.1	<10.0	27.1	27.1	2,920
SS02	06/16/2025	0-5	<0.500	87.2	3,350	12,400	2,120	15,750	17,870	17,400
SS02A	06/20/2025	1	<0.050	<0.300	<10.0	43.4	<10.0	43.4	43.4	4,640
SS02B	06/20/2025	2	<0.050	<0.300	<10.0	158	17.4	158	175	3,000
SS02C	06/20/2025	3	<0.050	<0.300	<10.0	109	28.1	109	137	608
SS02D	06/20/2025	4	<0.050	<0.300	<10.0	20.2	<10.0	20.2	20.2	256
SS03	06/16/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS04	06/16/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS05	06/16/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS06	06/16/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Confirmation Soil Samples										
FS01	06/26/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS02	06/26/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS03	06/26/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS04	06/26/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SW01	06/27/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW02	06/27/2025	0-5	<0.050	<0.300	<10.0	15.6	<10.0	15.6	15.6	224
SW03	06/27/2025	0-5	<0.050	<0.300	<10.0	18.8	<10.0	18.8	18.8	192
SW04	06/27/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224

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

 LT Environmental, Inc. 508 West Stevens Street Carlsbad, New Mexico 88220 Compliance · Engineering · Remediation		Identifier: BH01 (C-04387)	Date: 1/18-1/21/20					
		Project Name: JRU 29	RP Number: 2RP-3302, 2RP-3726, 2RP-4040, 2RP-3082					
LITHOLOGIC / SOIL SAMPLING LOG		Logged By: BB, FS, WM	Method: Sonic Drill					
Lat/Long: 32.346278,-103.835913		Field Screening: NA	Hole Diameter: 6"					
Total Depth: 110'								
Comments: No field screenings, lithology remarks only								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Depth	Soil/Rock Type	Lithology/Remarks
D			N		0'	0'	CCHE	CALICHE, tan-off white, fill
					0.5'	0.5'	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, soft no odor, no stain
D			N		5'	5'	CCHE	CALICHE, dry, tan-off white, few subangular gravel, trace fine sand, no odor, no stain
D			N		12.5'	12.5'	SP-SM	silty SAND, dry, reddish brown, poorly graded, fine grained, few tan-off white subangular gravel, no stain, no odor
D			N		23'	23'	ML-S	SILTSTONE, dry, reddish brown, moderately consolidated, 2mm caliche inclusions, trace off-white subangular gravel, no stain, no odor
D			N		37'	37'		moist
M			N		45'	45'		dry
D			N		58'	58'	CL-S	CLAYSTONE, dry, reddish brown, low plasticity, cohesive, well consolidated with some silty dolomite inclusions (1-2mm), no stain, no odor
D			N		102'	102'		moist
D			N		110'	110'		Total Depth 110 feet bgs



APPENDIX B

Land Access References



NMSLO Cultural Resources Cover Sheet

ARMS Inspection/Review

To: Cultural Resources Office, New Mexico State Land Office, Santa Fe, New Mexico

Re: Proposed "XTO's James Ranch Unit 195H Remediation ARMS"

ARMS Inspection/Review ID: A-20250625-001048

Proposed Project Details

Permitted Cultural Consultant Name: Beaver Creek Archaeology, Inc.

Permitted Cultural Consultant Phone Number: (701) 663 - 5521

Permitted Cultural Consultant Email Address: rhanley@bcarch.org

Ensolum on behalf of XTO has contracted Beaver Creek Archaeology, Inc. to conduct an ARMS Inspection/Review for a proposed project "XTO's James Ranch Unit 195H Remediation ARMS" located on New Mexico State Trust Lands in T22S R30E S36 in Eddy county. The Lead Agency for this project is SLO.

The ARMS Inspection/Records Review associated with this project has been conducted per the pre-field requirements of 4.10.15.9 NMAC on 06/25/2025.

The review was conducted for the Area of Potential Effect (APE) and 500 meters surrounding the APE. Information regarding the review results can be found in the uploaded Table 1-Cultural Surveys within 500 meters of proposed project and Table 2-Cultural Resources within 500 meters of proposed project.

Results-Recommendation

The proposed remediation activities will occur entirely within a previously disturbed area, as evidenced by aerial imagery from 2005, 2010, and 2012 (viewable via Google Earth). This area has been fully covered by prior cultural resource surveys under NMCRIS Activity Numbers 149658 and 144674. Additionally, two other nearby surveys have occurred adjacent to the proposed remediation area. No cultural resources have been recorded within, or within at least 100 feet of, the proposed workspace.

Accordingly, BCA recommends that the project proceed as currently planned with no additional archaeological work.

NMSLO Administrative Use Only:

NMSLO Lease Number: _____

Lease Analyst: _____



Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE

Phone (505) 827-5760

Fax (505) 827-5766

www.nmstatelands.org

MEMORANDUM

TO: Raina Hanley, Beaver Creek Archaeology

FROM: Adesbah Foguth, *Trust Land Archaeologist*
(505) 469-2894
afoguth@nmslo.gov

SUBJECT: Ensolum on behalf of XTO
Remediation for: XTO's James Ranch Unit 195H Remediation ARMS
Section 36, T22S, R30E, N.M.P.M. Eddy County

REFERENCE: NMSLO Cultural Properties Protection Rule (19.2.24 NMAC)

DATE: 6/27/2025

Thank you for your submission relating to the Proponent's proposed remediation activities at XTO's James Ranch Unit 195H Remediation ARMS. An archaeological survey of the entire area of potential effect has been completed and no cultural properties were identified. Pursuant to NMSLO 19.2.24.8 (C) NMAC, remediation may proceed.

If any cultural materials are inadvertently encountered during surface disturbance, work must cease within 50 feet and the NMSLO Cultural Resources Office must be notified immediately by emailing (CROinfo@nmslo.gov). Please reach out if you have questions or need additional clarification.



APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: SS01		Date: 6/20/2025	
								Site Name: JRU 195H			
								Incident Number: nAPP2516450474			
								Job Number: 03C1558693			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: CW		Method: Hand Auger	
Coordinates: 32.343794, -103.831095								Hole Diameter: 4"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 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			
D	21,804	3,319	Y	SS01	0.5	0	SP	(0 - 0.5') SAND, tan, with silt, heavy HC stain and odor			
D	2,111	210	N	SS01A	1	1	SP	(0.5 - 3') SAND, brown, very fine grained, with silt.			
D	1,657	23.80	N		2	2					
D	2,587	6.20	N	SS01B	3	3		('@ 3') low plasticity brown clay occur.			
D	2,587	5.50	N	SS01C	4	4	SP	(3 - 4') SAND, brown, very fine grained, with silt with caliche, grayish.			
Total Depth @ 4 feet bgs											

								Sample Name: SS02		Date: 6/20/2025					
								Site Name: JRU 195H							
								Incident Number: nAPP2516450474							
								Job Number: 03C1558693							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: CW		Method: Hand Auger					
Coordinates: 32.343757, -103.831184								Hole Diameter: 4"		Total Depth: 4'					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 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	SP	(0 - 0.5') SAND, tan, with silt, heavy HC stain and odor							
D	8,601	2,366	Y	SS02	0.5										
D	6,260	90.0	N	SS02A	1	1		(0.5 - 3') SAND, brown, with silt.							
D	4,877	114	N	SS02B	2	2									
D	981	66.10	N	SS02C	3	3		(' @ 3') low plasticity clay, brown occur.							
D	380	90.0	N	SS02D	4	4	CCHE	(3 - 4') CCHE, very fine grained, medium consolidation, gray/whitish, with very fine sand.							
Total Depth @ 4 feet bgs															



APPENDIX D

Photographic Log

**Photographic Log**

XTO Energy, Inc

JRU 195H

nAPP2516450474

Date & Time: Mon Jun 16, 2025 at 10:30:05 MDT
 Position: +032.343824° / -103.831060° (±19.5ft)
 Altitude: 3311ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 192° S17W 3502mils True (±15°)
 Elevation Angle: -23.0°
 Horizon Angle: -00.1°
 Zoom: 1.0X
 JRU 195



Photograph: 1 Date: 6/16/2025
 Description: Initial release near source of release
 View: Southwest

Date & Time: Fri Jun 20, 2025 at 10:04:01 MDT
 Position: +032.342065° / -103.832457° (±1663.8ft)
 Altitude: 3295ft (±112.0ft)
 Datum: WGS-84
 Azimuth/Bearing: 009° N09E 0160mils True (±19°)
 Elevation Angle: -09.9°
 Horizon Angle: -01.4°
 Zoom: 1.0X
 JRU 195H SS01 @ 4



Photograph: 2 Date: 6/20/2025
 Description: Site delineation; near SS01
 View: Northeast

Date & Time: Fri Jun 20, 2025 at 09:48:31 MDT
 Position: +032.345938° / -103.787029° (±9504.1ft)
 Altitude: 3310ft (±29.4ft)
 Datum: WGS-84
 Azimuth/Bearing: 011° N11E 0760mils True (±18°)
 Elevation Angle: -14.4°
 Horizon Angle: -01.7°
 Zoom: 1.0X
 JRU 195H SS02 @ 4



Photograph: 3 Date: 6/20/2025
 Description: Site delineation; near SS02
 View: Northeast

☀ 318°NW (T) ● 32.343637, -103.831099 ±7m ▲ 1007m



Photograph: 4 Date: 6/26/2025
 Description: Excavation activities; near FS03
 View: Northwest

**Photographic Log**

XTO Energy, Inc

JRU 195H

nAPP2516450474

286°W (T) • 32.343635, -103.831099 ±5m ▲ 1007m



Excavation extent

JRU 195H
26 Jun 2025, 1:51:49 PM

Photograph: 5 Date: 6/26/2025
Description: Excavation activities; near FS04
View: West

292°W (T) • 32.343734, -103.831159 ±3m ▲ 983m



Excavation area

JRU 195H
27 Jun 2025, 1:54:01 PM

Photograph: 6 Date: 6/27/2025
Description: Final excavation; near FS02
View: West

352°N (T) • 32.343762, -103.831138 ±4m ▲ 983m



Excavation area

JRU 195H
27 Jun 2025, 1:54:08 PM

Photograph: 7 Date: 6/27/2025
Description: Final excavation; near FS04
View: North

72°NE (T) • 32.343478, -103.831114 ±5m ▲ 1008m



Excavation area

JRU 195H
27 Jun 2025, 1:54:25 PM

Photograph: 8 Date: 6/27/2025
Description: Final excavation; near FS02
View: Northeast



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



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

June 23, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: JAMES RANCH UNIT 195H

Enclosed are the results of analyses for samples received by the laboratory on 06/17/25 13:35.

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 "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 06/17/2025
Reported: 06/23/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/16/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 0.5 (H253602-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.92	0.500	06/19/2025	ND	1.98	99.2	2.00	3.70	
Toluene*	43.8	0.500	06/19/2025	ND	1.87	93.6	2.00	6.49	
Ethylbenzene*	7.02	0.500	06/19/2025	ND	1.99	99.3	2.00	9.05	
Total Xylenes*	83.9	1.50	06/19/2025	ND	6.23	104	6.00	9.01	
Total BTX	141	3.00	06/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 77.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	06/18/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	3730	10.0	06/18/2025	ND	194	96.9	200	1.31		
DRO >C10-C28*	7820	10.0	06/18/2025	ND	182	91.0	200	0.0429		
EXT DRO >C28-C36	1310	10.0	06/18/2025	ND						

Surrogate: 1-Chlorooctane 308 % 44.4-145

Surrogate: 1-Chlorooctadecane 256 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/17/2025
Reported: 06/23/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/16/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 02 0.5 (H253602-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	06/19/2025	ND	1.98	99.2	2.00	3.70		
Toluene*	8.62	0.500	06/19/2025	ND	1.87	93.6	2.00	6.49		
Ethylbenzene*	4.88	0.500	06/19/2025	ND	1.99	99.3	2.00	9.05		
Total Xylenes*	73.7	1.50	06/19/2025	ND	6.23	104	6.00	9.01		
Total BTEX	87.2	3.00	06/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17400	16.0	06/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3350	50.0	06/19/2025	ND	194	96.9	200	1.31	
DRO >C10-C28*	12400	50.0	06/19/2025	ND	182	91.0	200	0.0429	
EXT DRO >C28-C36	2120	50.0	06/19/2025	ND					

Surrogate: 1-Chlorooctane 483 % 44.4-145

Surrogate: 1-Chlorooctadecane 259 % 40.6-153

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

Received: 06/17/2025
Reported: 06/23/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/16/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 03 0.5 (H253602-03)

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	06/19/2025	ND	1.98	99.2	2.00	3.70		
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49		
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05		
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01		
Total BTEx	<0.300	0.300	06/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/18/2025	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	06/18/2025	ND	194	96.9	200	1.31	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	182	91.0	200	0.0429	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.6 % 40.6-153

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

Received: 06/17/2025
Reported: 06/23/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/16/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 04 0.5 (H253602-04)

BTX 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	06/19/2025	ND	1.98	99.2	2.00	3.70		
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49		
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05		
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01		
Total BTX	<0.300	0.300	06/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/18/2025	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	06/18/2025	ND	194	96.9	200	1.31	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	182	91.0	200	0.0429	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 40.6-153

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

Received: 06/17/2025
Reported: 06/23/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/16/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 05 0.5 (H253602-05)

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	06/19/2025	ND	1.98	99.2	2.00	3.70		
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49		
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05		
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01		
Total BTEX	<0.300	0.300	06/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/18/2025	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	06/18/2025	ND	194	96.9	200	1.31	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	182	91.0	200	0.0429	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/17/2025
Reported: 06/23/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/16/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 06 0.5 (H253602-06)

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	06/19/2025	ND	1.98	99.2	2.00	3.70		
Toluene*	<0.050	0.050	06/19/2025	ND	1.87	93.6	2.00	6.49		
Ethylbenzene*	<0.050	0.050	06/19/2025	ND	1.99	99.3	2.00	9.05		
Total Xylenes*	<0.150	0.150	06/19/2025	ND	6.23	104	6.00	9.01		
Total BTEX	<0.300	0.300	06/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/18/2025	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	06/18/2025	ND	194	96.9	200	1.31	
DRO >C10-C28*	<10.0	10.0	06/18/2025	ND	182	91.0	200	0.0429	
EXT DRO >C28-C36	<10.0	10.0	06/18/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9



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

June 27, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: JAMES RANCH UNIT 195H

Enclosed are the results of analyses for samples received by the laboratory on 06/23/25 12:18.

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 "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	JAMES RANCH UNIT 195H	Sampling Condition:	Cool & Intact
Project Number:	03C1558693	Sample Received By:	Alyssa Parras
Project Location:	XTO		

Sample ID: SS 02A 1' (H253753-01)

BTX 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	06/25/2025	ND	2.02	101	2.00	0.403	
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340	
Total BTX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	06/25/2025	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	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	43.4	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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

Received: 06/23/2025
Reported: 06/27/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/20/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 02B 2' (H253753-02)

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	06/25/2025	ND	2.02	101	2.00	0.403		
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355		
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309		
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340		
Total BTEX	<0.300	0.300	06/25/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	06/25/2025	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	06/24/2025	ND	224	112	200	3.59	
DRO >C10-C28*	158	10.0	06/24/2025	ND	214	107	200	5.83	
EXT DRO >C28-C36	17.4	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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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: 06/23/2025
Reported: 06/27/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/20/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 02C 3' (H253753-03)

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	06/25/2025	ND	2.02	101	2.00	0.403	
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/25/2025	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	06/24/2025	ND	203	101	200	4.04	
DRO >C10-C28*	109	10.0	06/24/2025	ND	225	113	200	5.65	
EXT DRO >C28-C36	28.1	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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

Received: 06/23/2025
Reported: 06/27/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/20/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 02D 4' (H253753-04)

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	06/25/2025	ND	2.02	101	2.00	0.403	
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/25/2025	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	06/24/2025	ND	203	101	200	4.04	
DRO >C10-C28*	20.2	10.0	06/24/2025	ND	225	113	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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

Received: 06/23/2025
Reported: 06/27/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/20/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 01A 1' (H253753-05)

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	06/25/2025	ND	2.02	101	2.00	0.403		
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355		
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309	GC-NC	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340		
Total BTEX	<0.300	0.300	06/25/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8200	16.0	06/25/2025	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	06/24/2025	ND	203	101	200	4.04	
DRO >C10-C28*	230	10.0	06/24/2025	ND	225	113	200	5.65	
EXT DRO >C28-C36	60.1	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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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: 06/23/2025
Reported: 06/27/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/20/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 01B 3' (H253753-06)

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	06/25/2025	ND	2.02	101	2.00	0.403		
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355		
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309		
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340		
Total BTEX	<0.300	0.300	06/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	06/25/2025	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	06/24/2025	ND	203	101	200	4.04	
DRO >C10-C28*	39.5	10.0	06/24/2025	ND	225	113	200	5.65	
EXT DRO >C28-C36	12.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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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: 06/23/2025
Reported: 06/27/2025
Project Name: JAMES RANCH UNIT 195H
Project Number: 03C1558693
Project Location: XTO

Sampling Date: 06/20/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 01C 4' (H253753-07)

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	06/25/2025	ND	2.02	101	2.00	0.403	
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	06/25/2025	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	06/24/2025	ND	203	101	200	4.04	
DRO >C10-C28*	27.1	10.0	06/24/2025	ND	225	113	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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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.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Ensolum, LLC		P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager: Tracy Hillard		Company: XTO Energy Inc.																					
Address: 3122 National Parks Hwy		Attn: Colton Brown																					
City: Carlsbad		Address: 3104 E. Green St.																					
Phone #: 337 257-8307		State: NM Zip: 88220																					
Fax #: 337 257-8307		City: Carlsbad																					
Project #: 03C1558693		State: NM Zip: 88220																					
Project Owner: XTO		Phone #:																					
Project Name: James Ranch Unit 195H		Fax #:																					
Project Location:		SAMPLING																					
Sampler Name: Connor Whitman		DATE																					
FOR LAB USE ONLY		TIME																					
Lab I.D.		BTEX																					
Sample I.D.		TPH																					
Sample Depth (feet)		CHLORIDE																					
(G) RAB OR (C) OMP.																							
# CONTAINERS																							
GROUNDWATER																							
WASTEWATER																							
SOIL																							
OIL																							
SLUDGE																							
OTHER :																							
ACID/BASE:																							
ICE / COOL																							
OTHER :																							
DATE																							
TIME																							
9-20-25																							
930																							
935																							
940																							
945																							
1000																							
1010																							
1015																							
CV																							
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Relinquished By:		Verbal Result:																					
Date: 9/23/25		Yes ☐ No ☐ Add'l Phone #:																					
Time: 12:18		All Results are emailed. Please provide Email address:																					
Relinquished By:		REMARKS: Cost Center: PENDING Incident ID: nAPP2516450474																					
Date: 9/23/25		Turnaround Time: Standard Rush																					
Time: 12:18		Thermometer ID #13																					
Received By: [Signature]		Correction Factor: -0.1°C																					
Time:		Bacteria (only) Sample Condition																					
Observed Temp. °C		Cool Intact																					
Corrected Temp. °C		Yes ☐ No ☐																					
Sample Condition		Cool Intact																					
Yes ☐ No ☐		Yes ☐ No ☐																					
CHECKED BY: (Initials)		Cool Intact																					
Yes ☐ No ☐		Yes ☐ No ☐																					
Delivered By: (Circle One)		Cool Intact																					
Yes ☐ No ☐		Yes ☐ No ☐																					
Sampler - UPS - Bus - Other:		Cool Intact																					
Yes ☐ No ☐		Yes ☐ No ☐																					
FORM 006 R 3.2 10/01/21		Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com																					



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

June 30, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: JRU 195H

Enclosed are the results of analyses for samples received by the laboratory on 06/27/25 9:52.

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 "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 06/27/2025
 Reported: 06/30/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

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

Sample ID: FS 01 5' (H253894-01)

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	06/27/2025	ND	1.85	92.5	2.00	0.182	
Toluene*	<0.050	0.050	06/27/2025	ND	1.91	95.3	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.90	94.8	2.00	2.02	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.58	92.9	6.00	2.20	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	48.0	16.0	06/27/2025	ND	432	108	400	3.64		

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	06/27/2025	ND	232	116	200	4.01	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	227	113	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 70.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

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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: 06/27/2025
 Reported: 06/30/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

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

Sample ID: FS 02 5' (H253894-02)

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	06/27/2025	ND	1.85	92.5	2.00	0.182		
Toluene*	<0.050	0.050	06/27/2025	ND	1.91	95.3	2.00	1.77		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.90	94.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.58	92.9	6.00	2.20		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	96.0	16.0	06/27/2025	ND	432	108	400	3.64		

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	06/27/2025	ND	232	116	200	4.01	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	227	113	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2025
 Reported: 06/30/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

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

Sample ID: FS 03 5' (H253894-03)

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	06/27/2025	ND	1.85	92.5	2.00	0.182	
Toluene*	<0.050	0.050	06/27/2025	ND	1.91	95.3	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.90	94.8	2.00	2.02	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.58	92.9	6.00	2.20	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	192	16.0	06/27/2025	ND	432	108	400	3.64		

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	06/27/2025	ND	232	116	200	4.01	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	227	113	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2025
 Reported: 06/30/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

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

Sample ID: FS 04 5' (H253894-04)

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	06/27/2025	ND	1.85	92.5	2.00	0.182	
Toluene*	<0.050	0.050	06/27/2025	ND	1.91	95.3	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.90	94.8	2.00	2.02	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.58	92.9	6.00	2.20	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	480	16.0	06/27/2025	ND	432	108	400	3.64		

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	06/27/2025	ND	232	116	200	4.01	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	227	113	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.7 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-1

[illegible]



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

July 01, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: JRU 195H

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 "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 06/30/2025
 Reported: 07/01/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 01 0-5' (H253919-01)

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	1.92	96.2	2.00	0.848	
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	32.0	16.0	06/30/2025	ND	432	108	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	06/30/2025	ND	200	99.8	200	2.03	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	188	94.2	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 02 0-5' (H253919-02)

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	1.92	96.2	2.00	0.848	
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	224	16.0	06/30/2025	ND	432	108	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	06/30/2025	ND	200	99.8	200	2.03	
DRO >C10-C28*	15.6	10.0	06/30/2025	ND	188	94.2	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 03 0-5' (H253919-03)

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	1.92	96.2	2.00	0.848	
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	06/30/2025	ND	432	108	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	06/30/2025	ND	200	99.8	200	2.03	
DRO >C10-C28*	18.8	10.0	06/30/2025	ND	188	94.2	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.3 % 40.6-153

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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: 06/30/2025
 Reported: 07/01/2025
 Project Name: JRU 195H
 Project Number: 03C1558693
 Project Location: XTO 32.343974, -103.831417

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 0-5' (H253919-04)

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	1.92	96.2	2.00	0.848	
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	224	16.0	06/30/2025	ND	432	108	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	06/30/2025	ND	200	99.8	200	2.03	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	188	94.2	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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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 505191

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 505191
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516450474
Incident Name	NAPP2516450474 JRU 195H @ 30-015-42324
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-42324] JAMES RANCH UNIT #195H

Location of Release Source*Please answer all the questions in this group.*

Site Name	JRU 195H
Date Release Discovered	06/13/2025
Surface Owner	State

Incident Details*Please answer all the questions in this group.*

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

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

Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 3 BBL Recovered: 0 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 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 505191

QUESTIONS (continued)

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QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/11/2025
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QUESTIONS, Page 3

Action 505191

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 505191
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	480
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	18.8
GRO+DRO (EPA SW-846 Method 8015M)	18.8
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/16/2025
On what date will (or did) the final sampling or liner inspection occur	06/27/2025
On what date will (or was) the remediation complete(d)	06/27/2025
What is the estimated surface area (in square feet) that will be reclaimed	770
What is the estimated volume (in cubic yards) that will be reclaimed	140
What is the estimated surface area (in square feet) that will be remediated	770
What is the estimated volume (in cubic yards) that will be remediated	140
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 505191

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 505191
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/11/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 505191

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
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QUESTIONS

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

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QUESTIONS, Page 6

Action 505191

QUESTIONS (continued)

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

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	476451
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	10
What was the sampling surface area in square feet	2000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	770
What was the total volume (cubic yards) remediated	140
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	770
What was the total volume (in cubic yards) reclaimed	140
Summarize any additional remediation activities not included by answers (above)	Laboratory analytical results for the final excavation soil samples indicated that all COC concentrations were compliant with the Closure Criteria. Additionally, the confirmation sidewall soil samples collected from ground surface to 5 feet bgs indicated all COC concentrations were compliant with the reclamation requirement and confirmed the lateral extent of the release. . Based on the soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing Site conditions. All disturbed areas will be reseeded with an NMSLO approved seed mix in the next recommended planting season and a reclamation report will be submitted. Excavation of waste-containing soil has mitigated potential impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2516450474.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/11/2025
--	--

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QUESTIONS, Page 7

Action 505191

QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

Action 505191

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 505191
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	10/31/2025