E N S O L U M

January 2, 2025

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

Re: Remediation Work Plan PLU CVX JV BS 013H Incident Number NAPP2428842762 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan* (*Work Plan*) to document the site assessment activities completed to date and propose a work plan to address waste-containing soil identified at the PLU CVX JV BS 013H (Site). The purpose of the site assessment activities was to delineate the lateral and vertical extent of waste-containing soil resulting from a release of crude oil and produced water at the Site. The following *Work Plan* proposes to excavate waste-containing soil identified within the release extent.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 25, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.18173°, -103.83361°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On October 11, 2024, corrosion on a production flow line resulted in the release of 10 barrels (bbls) of produced water and 2 bbls of crude oil onto a right-of-way (ROW) and into the adjacent pasture. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and submitted an Initial C-141 Application (C-141) on October 14, 2024. The release was assigned Incident Number NAPP2428842762.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. In October 2020, a New Mexico Office of the State Engineer (NMOSE) permitted well (C-4478) was advanced to a depth of 110 feet bgs located approximately 0.5 miles north of the Site and is depicted on Figure 1. Depth to groundwater is documented to be 110 feet bgs. The Well Record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash located approximately 6,285 feet northwest of the Site. The Site is greater than 200 feet from a lakebed,

XTO Energy, Inc. Remediation Work Plan PLU CVX JV BS 013H

sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On October 31, 2024, Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided on the C-141 and visual observations. Ensolum personnel collected eleven delineation soil samples (SS01 through SS11) within and around the release extent from a depth of 0.5 feet bgs to assess the lateral extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

On November 27, 2024, Ensolum personnel returned to the Site to assess the vertical extent of the release. Delineation boreholes BH01 through BH03 were advanced in the approximate locations of SS01 through SS03, respectively. The delineation boreholes were advanced via handauger to a maximum depth of 1-foot bgs at BH01 through BH03 due to hand auger refusal. Discrete soil samples were collected from each borehole at a depth of 1-foot bgs. Soil from the boreholes was field screened for VOCs and chloride. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. Soil samples from the boreholes were collected, handled and analyzed as described above at Cardinal in Hobbs, New Mexico. The soil sample locations are depicted on Figure 2.



XTO Energy, Inc. Remediation Work Plan PLU CVX JV BS 013H

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples SS01 through SS03 and BH01, collected at depths ranging from 0.5 feet to 1 foot bgs, indicated that chloride concentrations exceeded the reclamation requirement applied in the top 4 feet. The terminal depth sample from delineation boreholes SS02/BH02 and SS03/BH03, collected at 1 foot bgs, indicated concentrations of all COCs were compliant with the Closure Criteria and reclamation requirement and successfully defined the vertical extent of waste-containing soil. In addition, laboratory analytical results for delineation soil samples SS04 through SS11 collected outside of the release extent indicated concentrations of all COCs were compliant with the reclamation requirement and successfully defined the lateral extent of the release. Laboratory analytical results are summarized in Table 1 and Laboratory Analytical Reports & Chain-of-Custody Documentation are presented in Appendix D.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing elevated chloride concentrations exists across an approximate 1,750 square foot area and extends to an approximate depth of 1-foot bgs. XTO proposes to complete the following remediation activities:

- Excavate waste-containing soil to a depth of approximately 1 foot bgs. Excavation will proceed laterally until sidewall samples confirm chloride concentrations are compliant with the Closure Criteria.
- XTO estimates approximately 130 cubic yards of waste-containing soil will be removed. The excavated soil will be transferred a New Mexico approved landfill facility for disposal.
- Confirmation soil sampling of the floor and sidewall of the excavation will be completed at a sampling frequency not to exceed 200 square feet in area. The confirmation soil samples will be handled as described above and analyzed for all COCs.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

XTO will proceed with the excavation and soil sampling activities and will submit a Closure Report within 90 days of the date of approval of this Work Plan by the NMOCD.

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

Sincerely, **Ensolum**, **LLC**

Uriel Santillana Associate Scientist

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Tacoma Morrissey, MS Associate Principal



XTO Energy, Inc. Remediation Work Plan PLU CVX JV BS 013H

cc: Colton Brown, XTO Kaylan Dirkx, XTO BLM

Appendices:

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



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FIGURES

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Proposed Excavation Area

XTO Energy, Inc. PLU CVX JV BS 013H Incident Number: nAPP2428842762 Unit O, Section 25, T 24S, R 30E Eddy County, New Mexico

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ENSOLU M Environmental, Engineering and Hydrogeologic Consultants



TABLES

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ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU CVX JV BS 013H / Incident Number nAPP2428842762 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 C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delinea	tion Soil Sampl	es	,		<u> </u>	
SS01	10/31/2024	0.5	<0.050	<0.300	<10.0	25.6	<10.0	25.6	25.6	8,780
BH01	11/27/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,420
SS02	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,640
BH02	11/27/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS03	10/31/2024	0.5	<0.050	<0.300	<10.0	67.5	12.6	67.5	80.1	4,000
BH03	11/27/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS04	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS05	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS06	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SS07	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS08	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS09	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS10	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS11	10/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

NMAC: New Mexico Administrative Code Grey text indicates soil sample removed during excavation activities

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APPENDIX A

Referenced Well Records

LL SEAL			WELL R DFFICE OF T vww.ose.state.	HE STAT			G				2020 OCT 29 Fil	
z	OSE POD NO POD1 (B)	•	.)		WELL TAG ID NO	0.		OSE FILE NO(C-4478	S).		÷	ر است المراجع المراجع المراجع المراجع
CATIO	WELL OWNE	ER NAME(S)						PHONE (OPTI	ONAL)		<u>ය</u>	<u> </u>
ILL LO	WELL OWNE 6401 Holid	ER MAILING	ADDRESS					CITY Midland		state TX	79707	ZIP
GENERAL AND WELL LOCATION	WELL			GREES 32°	MINUTES 11'	SECO 22.			REQUIRED: ONE TEN			
IEKA	(FROM GP	'S)		-103°	49'	56.	14" W	* DATUM RE	QUIRED: WGS 84			
1. 65	DESCRIPTION SW SE NE		IG WELL LOCATION TO	STREET ADDRE:	SS AND COMMO	ON LANDM	ARKS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAI	LABLE	
	LICENSE NO 124		NAME OF LICENSED		ckie D. Atkin	IS			NAME OF WELL DR Atkins Eng		MPANY Associates, I	nc.
	DRILLING ST 10/07/		DRILLING ENDED 10/07/2020	DEPTH OF COM temporar	PLETED WELL (ry well mater		BORE HO	ILE DEPTH (FT)	DEPTH WATER FIR	st encou n/a	NTERED (FT)	
	COMPLETEI	D WELL IS:	ARTESIAN	I DRY HOLE	SHALL	OW (UNCO	ONFINED)		STATIC WATER LEV	/EL IN CO n/a	MPLETED WE	ILL (FT)
	DRILLING FI	LUID:	✓ AIR	MUD	ADDIT	IVES – SPE	CIFY:		Į.,,,,,,			
)KM/	DRILLING M	IETHOD:	ROTARY	HAMMER	CABLE	TOOL	🗍 ОТНІ	ER – SPECIFY:	Hollo	w Stem	Auger	
LLING & CASING INFORMATION	DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM (inches)	(include ea	IATERIAL AN GRADE ch casing string ctions of scree	g, and	CON	ASING NECTION TYPE bling diameter)	CASING INSIDE DIAM. (inches)	THI	NG WALL CKNESS nches)	SLOT SIZE (inches
S CV	0	110	±8.5		oring- HSA		(200 000)			<u> </u>		
TUTTING .7												
_	DEPTH	(feet bgl)	BORE HOLE	LIST	r annular i	SEAL MA	TERIAL	AND	AMOUNT		METHO	D OF
ANNULAK MATEKIAL	FROM	то	DIAM. (inches)	GRAV	EL PACK SIZ	E-RANG	E BY INT	ERVAL	(cubic feet)		PLACEN	MENT
3. AININULAIN								<u>.</u>				
	OSEASTER	NAL USE			PODN			WR-2	0 WELL RECORD	& LOG (Version 06/3	60/17)

WELL TAG ID NO.

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LOCATION

	DEPTH (1 FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MA R-BEARING C. plemental sheet	AVITIES O	R FRAC	TURE ZONE:	5	WA BEAR (YES)	ING?	YII W BI	IMATED SLD FOR ATER- EARING VES (gpm)
	0	3	3	Sand f	ine-grained, poo	rly_oradad	Red Bro	11771		Y	🖌 N	201	ILS (gpm)
	3	5	2		vel, 20-30 mil, v						✓ N		
	5	13	8		with some grave	-					✓ N		
	13	24	9		e-grained, well-	-	-			Y	✓ N		
	24	34	10	,	um-grained, well-					Y	√ N		
	34	44	10	· · · · ·	-grained, well-g						✓ N		
ELL		110	66	Sand, fine-grained, well						Y	✓ N		
F W		110	00	Sand, Inte-gramed, wei	i-graded, some c	14y, 11015t, 1		igniens Reu/	DIOMI	Y	N		
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-		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME						DATE		
FOR	OSE INTER	NALUSE					· · ·	WR-20 WE	LL REG	CORD&	LOG (Ve	rsion ()	6/30/2017)
			TX		POD NO.	1		TRN NO.	$\overline{\bigcirc}$	78	287	2	
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Final Audit Report

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Status:	Signed
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"2020-10-26_C-4478POD1_OSE_Well Record and Log-89-forsig n" History

Ð	Document created by Lucas Middleton (lucas@atkinseng.com)
	2020-10-27 - 3:14:03 PM GMT- IP address: 69.21.248.123

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- Document e-signed by Jack Atkins (jack@atkinseng.com)
 Signature Date: 2020-10-27 3:22:09 PM GMT Time Source: server- IP address: 74.50.153.115
- Agreement completed. 2020-10-27 - 3:22:09 PM GMT





APPENDIX B

Photographic Log

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APPENDIX C

Lithologic Soil Sampling Logs

			Sample Name: BH01 (SS01)	Date: 11/27/24			
			Site Name: PLU CVX JV BS 013H	5000. 11/2//21			
	SOLU	Incident Number: nAPP24288427	62				
		Job Number: 03C1558572					
LITHOLOGI	C / SOIL SAMPLING LOG		Logged By: MS	Method: Hand Auger			
Coordinates: 32.181725, -103			Hole Diameter: 3"	Total Depth: 1'			
		est Strips and	PID for chloride and vapor, respec				
	actor of soil to distilled water. 4						
Moisture Content Chloride (ppm) Vapor (ppm) Staining	0)	USCS/ Sym	Lithologic De	scriptions			
D 2,654 0.2 N	BH01 1 1		(0-1') SAND, brownish, with caliche, non cohe non plastic.				
	Ref	usal @ 1 fo	ot bgs				

							Sample Name: BH02 (SS02)	Date: 11/27/24			
			C			R A	Site Name: PLU CVX JV BS 013H	, ,			
			3	ΟΙ	Incident Number: nAPP2428842	762					
					Job Number: 03C1558572						
	LITHOL	OGIC	C / SOIL S	AMPLING	i LOG		Logged By: MS	Method: Hand Auger			
Coordinates: 3			-				Hole Diameter: 3"	Total Depth: 2'			
							PID for chloride and vapor, respe factors included.	ctively. Chloride test			
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions			
D <162 D 162	0.2	N N	BH02			SP	(0-2') SAND, brownish red, non plastic, non cohesive.				
					Total De	pth: 2 f	oot bgs				

							Sample Name: BH03 (SS03)	Date: 11/27/24			
			~				Site Name: PLU CVX JV BS 013H				
		N	2	ΟΙ			Incident Number: nAPP2428842762				
							Job Number: 03C1558572				
	LITHOL	OGIC		AMPLING	LOG		Logged By: MS Method: Hand Auger				
Coordinates: 3							Hole Diameter: 3"	Total Depth: 2'			
				ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respe				
							factors included.				
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions			
D <162 D <162		N	BH03			SP	(0-2') SAND, brownish, with caliche, non plastic non cohesive.				
					Total De	epth: 2 f	eet bgs				
						•					



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



November 05, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV BS 013H

Enclosed are the results of analyses for samples received by the laboratory on 11/01/24 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	l	Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 04 (H246679-01)

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 05 (H246679-02)

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 06 (H246679-03)

Project Location:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	112	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 07 (H246679-04)

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 08 (H246679-05)

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	119	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	(
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 09 (H246679-06)

Project Location:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 10 (H246679-07)

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
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	11/02/2024	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	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	122 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 11 (H246679-08)

Project Location:

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
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	11/02/2024	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	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		FAX (575) 393-2	476					-			BIL	LT	0				ANA	LYSI	S REC	QUES	т					Page
Company Name: Ensolur									P.0). #:			-					T								
Project manager: Ben Be				_							y: XT	0 En	nergy													
Address: 3122 National F		ZIP: 88220							-		Iton B															
City: Carlsbad	State: NM	ZIF: 00220							Add	dress	: 3104	EG	reene st.						-							
Phone #: 989-854-0852	and the second second						-				rlsbad															
	3C1558572		-						Sta				: 88220													
	LU CVX JV BS 013H								Pho	one #	t:				С											
T Tojest Lettantin	2.18173, -103.83361			_					-	x #:	1.1		/	-	н											
Sampler Name: UI	riel Santillana					MA	ATRIX	(PRES	ERV.	17	SAMPLING	G												
Lab I.D. H346679 2 3 4 5 6 7 8	Sample I.D. 5504 5505 5506 5508 5508 5508 5509 5510 5510		G			Ħ					XICE / COOL		DATE 2/31/24	1010 1015 1020 1025 1200 1135 1/30	R D E S X	-	BTEX									
PLEASE NOTE: Liability and Damages. Carr	dinal's liability and client's exclusive remedy for an indinal be liable for incidental or consequen	ny claim arising whether based in o tal damages, including withou	contract or ut limitati	tort, sha	all be limite iness int	ed to the terruption	amount ins, loss	paid by the	e client fo or loss o	or the an of profits e stated i	alyses. All incurred b reasons or	l claims by client, otherwit	including those t t, its subsidiaries, ise.	for negligence and a	ny other caus	e whatsoever	r shall be d	deemed wa	aived unless	made in w	iting and rece	eived by Ca	ardinal with	hin 30 days aft	er completion	of the
Relinquished By:	Indiala be liable for incidental or consequent related to the performance of services here	Date: //-/-24 Time: /200 (Red	eive	ed By	: ////	a	h	L	U	lag	A	Sel.	Verbal Resubbelill@enso	olum.con	n tmorris	ssey@e		n.com k		none #: on@enso P242884		om usa	ntillana@	ensolum.	com
Relinquished By:		Date: Time:	Re	cerve	ed By							-				North Carl										
Delivered By: (Circle One) Sampler - UPS - Bus - O FORM-006 R 3.2	/	orrected Temp. °C	5.7	7		Samp Cool	Inta	es	n	<			D BY: Ils)	Turnaround Time: Rush H8hC Thermometer Correction Fa	ID #140	act Obse	erved Tem		mple Condit		Yes 7		rected Tem	10. °C		

Released to Imaging: 1/15/2025 2:22.14 PM

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November 05, 2024

BEN BELILL ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV BS 013H

Enclosed are the results of analyses for samples received by the laboratory on 11/01/24 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	I	Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 01 (H246680-01)

Project Location:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8480	16.0	11/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	25.6	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:		
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 02 (H246680-02)

Project Location:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
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	11/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	11/01/2024		Sampling Date:	10/31/2024
Reported:	11/05/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: SS 03 (H246680-03)

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	1.09	
Toluene*	<0.050	0.050	11/02/2024	ND	2.18	109	2.00	5.34	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.27	114	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.68	111	6.00	6.78	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	11/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	212	106	200	3.53	
DRO >C10-C28*	67.5	10.0	11/02/2024	ND	228	114	200	1.45	
EXT DRO >C28-C36	12.6	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 6

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	BILL TO	ANALYSIS REQUEST
	P.O. #:	
roject manager: Ben Belill	Company: XTO Energy	
ddress: 3122 National Parks Hwy	Attn: Colton Brown	
Sity: Carlsbad State: NM ZIP: 88220	Address: 3104 E Greene st.	
hone #: 989-854-0852	City: Carlsbad	
Project #: 03C1558572	State: ^{IN} Zip: 88220	
Project Name: PLU CVX JV BS 013H	Phone #:	
Project Location: 32.18173, -103.83361		4н
Sampler Name: Uriel Santillana	Fax #:	4 L
-ab I.D. Sample I.D. (3)BAB OR (C)OMP. + CONTAINERS # CONTAINERS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UDGE LER : DIBASE: / COOL HER :	O R I B D T E P S H
5501 G11 X	X 10/31/24 950	
2 5502	105	
3 5503 ++ +		
		the second
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Relinquished By: Date: Received By:	REMARKS:	Cost center: 1081011001 Incident ID: NAPP2428842762
Time:		Standard Bacteria (only) Sample Condition
Delivered By: (Circle One) Observed Temp. °C Sample Conc Sampler - UPS - Bus - Other: Observed Temp. °C S.7 Ves Ves Ves No No	(Initials) Rush HRhA	Cool Intact Observed Temp. *C



December 04, 2024

BEN BELILL ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV BS 013H

Enclosed are the results of analyses for samples received by the laboratory on 12/02/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	12/02/2024		Sampling Date:	11/27/2024
Reported:	12/04/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	l	Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: BH01 1' (H247299-01)

Project Location:

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/02/2024	ND	2.21	111	2.00	5.42	
Toluene*	<0.050	0.050	12/02/2024	ND	2.28	114	2.00	4.01	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	2.23	111	2.00	4.04	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	12/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	184	91.9	200	2.40	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	85.2	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	12/02/2024		Sampling Date:	11/27/2024
Reported:	12/04/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: BH02 1' (H247299-02)

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	2.21	111	2.00	5.42	
Toluene*	<0.050	0.050	12/02/2024	ND	2.28	114	2.00	4.01	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	2.23	111	2.00	4.04	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	184	91.9	200	2.40	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	85.2	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	12/02/2024		Sampling Date:	11/27/2024
Reported:	12/04/2024		Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H		Sampling Condition:	Cool & Intact
Project Number:	03C1558572		Sample Received By:	Tamara Oldaker

Sample ID: BH03 1' (H247299-03)

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2024	ND	2.21	111	2.00	5.42	
Toluene*	<0.050	0.050	12/03/2024	ND	2.28	114	2.00	4.01	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.23	111	2.00	4.04	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.97	116	6.00	3.18	
Total BTEX	<0.300	0.300	12/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	184	91.9	200	2.40	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	85.2	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



Received by OCD: 1/2/2025 1:03:55 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

9

Page 6 of 6

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

Company Name: Ensolum, LLC					BILLETO				ANALYSIS REQUEST												
Project Manager:	Ben Belill						P.O. #:				T								—		T
Address: 3122 Na							Compa	nv: k	TO EN	e Call	1										
City: Carlsbad		State: NM	Zip:	88220			Attn: /	alt	on Bl	CIGY											
Phone #: 989 -	854-0850	Fax #:					Addres	e. 3	104 E,	1 Con al	1										
Project #: 03(1558572	Project Own	er:				City: /	10	Sbad	Green	1										
Project Name: P	LUCIXITY	BSDISH							Zip: 88	2176	1										
Project Location:	32.18173	1038336	1						75-988												
Sampler Name: /	lario sar	1615	1				Fax #:	#: Q .	10-988	5-2290	1										
FOR LAB USE ONLY			Т	T	MATR	_	-	SERV.	SAM	PLING	1										
H247299	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS GROUNDWATER	WASTEWATER SOIL DII	SLUDGE	OTHER : ACID/BASE:	OTHER:	DATE	TIME	BTEX	TPH	Chlorides								
11	3401	1	G	1	V	05			11/27/24							-+-	+	+	+	+	+
ZB	3402	1	G)					11/2/124	1023	1	V	1				+	-	-		-
÷	SHOZ MS	2	6		V					1025	1							+		-	
31	3403 Ho3 MS	1	6				V		\checkmark	1028	/	/	/								
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		a second									-			-	-	-	-	-	-		
	mages. Cardinal's liability and cli ise for negligence and any other Il be liable for incidental or conse t of or related to the performance	equental damages, including	without lin	nitation, bus	s made in writ siness interrup	ng and re	ceived by Ca	irdinal wit	the amount paid hin 30 days after its incurred by cli	by the client for the completion of the ent, its subsidiari	the e applicab es,	le						1			
Relinquished By:		Date: 12-2-24	Contraction of the local division of the loc	ived B	and the second se	ciaim is b	ased upon a	ny of the	above stated reas	Verbal Res	sult:	□ Yes	s 🗆	No /	Add'l Ph	one #:					
112	~	Time: 130		10	1111	, /	X	1	Kar	All Results	are en	nailed.	Please	provid	e Email	addres	s:				
Relinquished By:		Date: Time:	Rece	ived B	<u>/////////////////////////////////////</u>	14	ade	Y .	ye	by the client for completion of the net, its subsidiari Sons or otherwise Verbal Results bbelind REMARKS Cost Furnaround Thermomete Correction F ges to cel	enso ±n	cider Cider	(0M) nt: n	K+ha API	All a	1 <i>een</i> 288	427	1.COM	Imsa	1 Kise	ee
Delivered By: (Circle	One) Ob	served Temp. °C	25	Sa	mple Co	ndition	CF	ECKF	D BY:	LOS	1 Time	ente	Stand	2810	1100		only) C	mail- C	en d'et		
Sampler - UPS - Bus		rrected Temp. °C		C	Yes	Yes	9	(Initia	ils)	Thermomete	r ID #	+13#1	Rush 40			ol Inta Yes	ct (Yes	mpie C)bserve	d Temp	°C	

General Information Phone: (505) 629-6116

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

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

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	age	70	- U	1.5	-
	· • •			-	

QUESTIONS

Action 416443

QUESTIONS					
Operator:	OGRID:				
XTO ENERGY, INC	5380				
6401 Holiday Hill Road	Action Number:				
Midland, TX 79707	416443				
	Action Type:				
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)				

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428842762
Incident Name	NAPP2428842762 PLU CVX JV BS 013H @ 30-015-39018
Incident Type	Release Other
Incident Status	Remediation Plan Received
Incident Well	[30-015-39018] POKER LAKE UNIT CVX JV BS #005H

Location of Release Source

Please answer all the	questions in this group.
-----------------------	--------------------------

Site Name	PLU CVX JV BS 013H				
Date Release Discovered	10/11/2024				
Surface Owner	Federal				

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	Νο			
Has this release endangered or does it have a reasonable probability of endangering public health	Νο			
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 fo	r 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: 2 BBL Recovered: 0 BBL Lost: 2 BBL.				
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS,	Page 2

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Action 416443

QUESTIONS (continued)	

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	416443
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)				
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.			
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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 s	afety 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 attac		
Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure e	ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of 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 I here		

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Action 416443

Page 48 of 52

QUESTIONS (continued)		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	416443	
	Action Type:	

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd 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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions t	hat apply or are indicated. This information must be provided to	o the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertication	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in m	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	8780
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	80.1
GRO+DRO	(EPA SW-846 Method 8015M)	67.5
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes complete nelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date w	ill the remediation commence	10/11/2024
On what date will (or did) the final sampling or liner inspection occur		03/03/2025
On what date will (or was)	the remediation complete(d)	03/03/2025
What is the estimated surface area (in square feet) that will be reclaimed		1750
What is the estimated volume (in cubic yards) that will be reclaimed		130
What is the estimated surface	ace area (in square feet) that will be remediated	1750
What is the estimated volu	me (in cubic yards) that will be remediated	130
These estimated dates and measu	irements are recognized to be the best guess or calculation at t	he time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

General Information Phone: (505) 629-6116

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

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

QUESTI	DNS (continued)	
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	416443	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the		
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efi which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/02/2025	

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

Action 416443

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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

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QUESTIONS, Page 5

Action 416443

QUESTIONS (continued)			
Operator: XTO ENERGY, INC	OGRID: 5380		
6401 Holiday Hill Road Midland, TX 79707	Action Number: 416443		
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)		
QUESTIONS			

Deferral	Requests	Only

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

QUESTIONS, Page 6

Action 416443

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 QUESTIONS (continued)

 Operator:
 OgRID:

 XTO ENERGY, INC
 5380

 6401 Holiday Hill Road
 Action Number:

 Midland, TX 79707
 416443

Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information			
Last sampling notification (C-141N) recorded	405368		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/27/2024		
What was the (estimated) number of samples that were to be gathered	18		
What was the sampling surface area in square feet	3600		

Remediation Closure Request

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

 Requesting a remediation closure approval with this submission
 No

	Mov	iaa	

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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

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CONDITIONS

Action 416443

CONDITIONS	
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Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	416443
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved with the following conditions; 1. Excavated soils must have its disposition at an OCD approved facility and manifest included within the final remediation closure report. 2. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, XTO must collect a minimum of one five-point composite from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top 4 feet from the ground surface. 3. XTO has 90-days (April 15, 2025) to submit to OCD its appropriate or final remediation closure report.	1/15/2025