

August 15, 2024

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

Re: Closure Request

PLU Ross Ranch 33-25-30 USA Battery Incident Number NAPP2414137102 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 liner inspection, delineation, and soil sampling activities performed at the PLU Ross Ranch 33-25-30 USA Battery (Site). The purpose of the site activities was to assess for the presence or absence of impacts to soil resulting from a release of produced water within a lined containment at the Site. Based on field observations and laboratory analytical results, XTO is submitting this *Closure Request*, describing the liner inspection and delineation activities that have occurred and requesting no further action for Incident Number NAPP2414137102.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit D, Section 33, Township 25 South, Range 30 East, in Eddy County, New Mexico (32.09302°, -103.89246°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 16, 2024, corrosion on a flowline at the Site caused the release of approximately 10 barrels (bbls) of produced water into a lined containment. A vacuum truck was immediately dispatched to the Site to recover the free-standing fluids and all released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email May 20, 2024, and submitted a 48-hour advance notice of liner inspection to be completed on May 24, 2024. Ensolum personnel conducted a liner inspection on May 24, 2024, and upon inspection, it was determined that the liner was not operating as designed. XTO submitted a Form C-141 Application (Form C-141) on June 19, 2024, and the release was assigned Incident Number NAPP2414137102.

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 well (C-03782) permitted by the New Mexico Office of the State Engineer (NMOSE), was completed approximately 540 feet north of the Site and was advanced to a total depth of 805 feet bgs. Depth to water is documented to be approximately 277 feet bgs. The Well Record and Log for C-03782

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 88220 | ensolum.com

XTO Energy, Inc Closure Request PLU Ross Ranch 33-25-30 USA Battery



is provided in Appendix A. All wells used to determine regional depth to groundwater are provided on Figure 1.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 3,060 feet northwest 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, significant water course, or wetland. The Site is within 1,000 feet of a freshwater well 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): 100 mg/kg

Chloride: 600 mg/kg

DELINEATION SOIL SAMPLING ACTIVITIES

Following a failed liner integrity inspection and a one call utility clearance of the work area, delineation activities were conducted on June 28, 2024, to determine the presence or absence of impacted soil underneath the lined containment area. Ensolum personnel advanced one borehole (BH01) via hand auger at the location of the tear in the liner identified during the inspection. Two discrete soil samples were collected from the borehole at depths of approximately 0.5 feet and 1 foot bgs. Borehole BH01 could only be advanced to a maximum depth of 1 foot bgs due to a competent caliche formation in the subsurface that caused hand auger refusal. Additionally, four delineation soil samples (SS01 through SS04) were collected at a depth of approximately 0.5 feet bgs on the surface of the pad, immediately surrounding the lined containment area to confirm the release stayed within the lined containment area. All delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations from the borehole were documented on a lithologic/soil sampling log, which is included as Appendix B. The borehole was backfilled with the soil removed and XTO repaired the hole in the liner. The borehole and delineation 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 liner inspection and delineation activities and is presented in a Photographic Log included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, 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 constituents of concern (COC): 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 EPA Method SM4500.

During the liner inspection and delineation activities, staining and crusting on the liner was observed. XTO scheduled power washing of the liner to remove the debris and confirm the presence or absence

XTO Energy, Inc Closure Request PLU Ross Ranch 33-25-30 USA Battery



of any additional insufficiencies in the liner. XTO submitted a 48-hour advance notice of liner inspection to be completed on August 14, 2024. Ensolum personnel conducted a liner inspection on August 14, 2024, and upon inspection, it was determined that the liner was operating as designed.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples collected indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, Ensolum personnel advanced one borehole (BH01) at the location of the tear in the liner to assess for the presence or absence of impacted soil resulting from the May 16, 2024 produced water release within a lined containment. Two delineation soil samples were collected from the borehole, at depths of approximately 0.5 feet and 1 foot bgs and four delineation soil samples (SS01 through SS04) were collected at a depth of 0.5 feet bgs around the lined containment. Laboratory analytical results for all delineation soil samples indicated all COC concentrations were compliant with the Closure Criteria. The release was contained laterally by the lined containment walls and is delineated vertically through laboratory analytical results from BH01. All released fluids were recovered during initial response activities.

Based on initial response efforts and soil sample laboratory analytical results compliant with the Closure Criteria, remedial actions completed at the Site appear to have been protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2414137102. If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Mouissey

Associate Principal

Tacoma Morrissey, M.S.

Sincerely, **Ensolum, LLC**

Meredith Roberts Staff Geologist

cc: Amy Ruth, XTO

Amanda Garcia, XTO

BLM

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Table 1 Soil Sample Analytical Results

Appendix A Well Record and Log

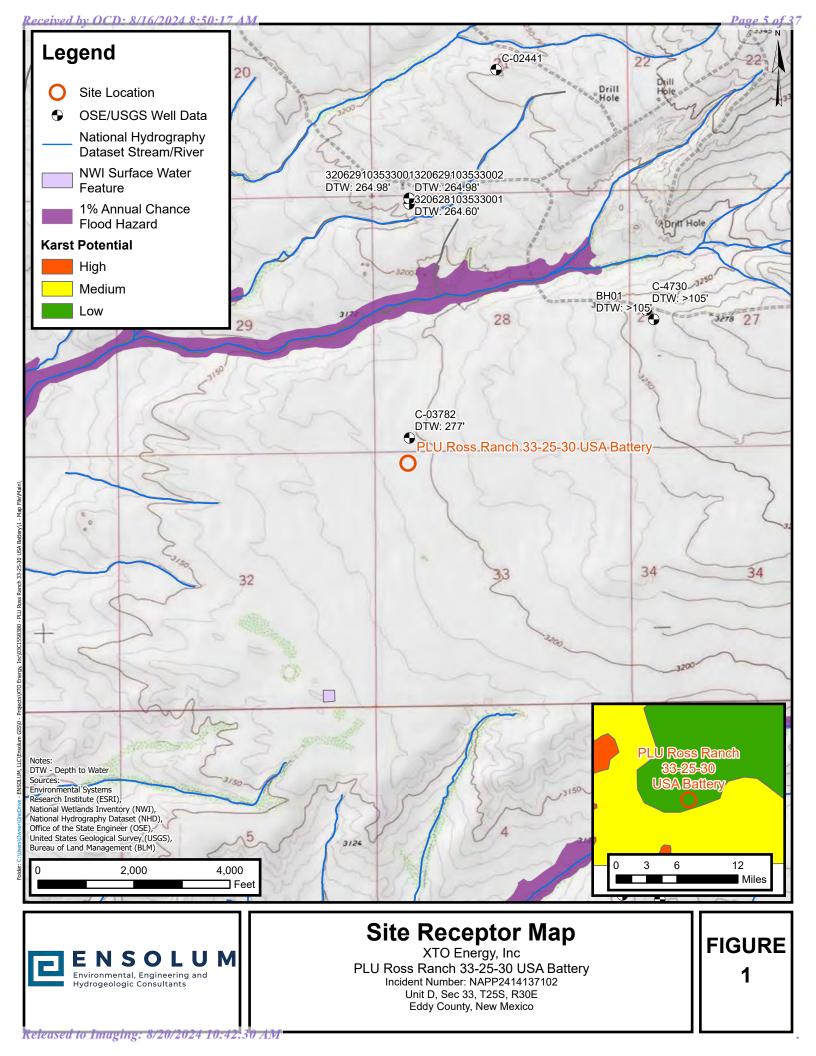
Appendix B Lithologic / Soil Sampling Log

Appendix C Photographic Log

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES







Delineation Soil Sample Locations

XTO Energy, Inc
PLU Ross Ranch 33-25-30 USA Battery
Incident Number: NAPP2414137102
Unit D, Sec 33, T25S, R30E
Eddy County, New Mexico

FIGURE 2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU Ross Ranch 33-25-30 USA Battery 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 Cl	osure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Deli	neation Soil Sai	mples				
SS01	06/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SS02	06/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SS03	06/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SS04	06/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
BH01	06/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
BH01A	06/28/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560

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

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

Ensolum 1 of 1



APPENDIX A

Referenced Well Records

PAGE 1 OF 2



www.ose.state.nm.us

PC	DD-1	Re	ell number) numbered	C-3832-P002		C 3782	ex Ploratory	Penui) (mBere -383	2
(LL OWNI DPCO, I	ER NAME(S)			PHONE (OPTI (817) 390-	ONAL)	,		
1	•		IG ADDRESS			CITY		STATE		ZIP
1			uite 2900	<i>.</i>		Fort Worth TX 76102				
H	WELL		DEGRE	ES MINUTES SECOND	DS			<u> </u>		
] 1	LOCATIO	N L	ATTITUDE 32	05 40.1	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SEC	COND	
0	FROM GP	(8)	ONGITUDE 103	53 32.2	· w	* DATUM RE	QUIRED: WGS 84			
DE	SCRIPTION	N RELATING	WELL LOCATION TO STRE	ET ADDRESS AND COMMON LANDMARKS - PLS	S (SECTION, TO	OWNSHJIP, RANG	E) WHERE AVAILABLE	ta a war ar set		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
sv	V1/4SE	1/4SW1	1/4SW1/4 of Secti	on 28, Township 25 South, Rang	ge 30 East	, in the NE	corner of a well p	ad.		
LIC	ENSE NU	MBER	NAME OF LICENSE	D DRILLER			NAME OF WELL DRI		PANY	19 19
33	31		Joel H. Stewar	t			SBQ Drilling, LI	.C		
	ILING S 1-16-15		DRILLING ENDED 01-17-15	DEPTH OF COMPLETED WELL (FT) 805	BORE HOL	LE DEPTH (FT)	DEPTH WATER FIRS	ST ENCOUN	TERED (FT))
co	MPLETEL	WELL IS:	• ARTESIAN	C DRY HOLE C SHALLOW (UNC	ONFINED)		STATIC WATER LEV	EL IN COM	PLETED WI	ELL (FT)
DR	ILLING F	LUID:	C AIR	MUD ADDITIVES - SPI	ECIFY:					•
DR	ILLING M	ETHOD:	ROTARY	C HAMMER C CABLE TOOL	О отне	R - SPECIFY:				
	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OR	CA	SING	CASING	CASING	G WALL	SLOT
F	ROM	ТО	DIAM (inches)	OIAM (include each casing string, and		VECTION YPE	INSIDE DIAM. (inches)	THICH	THICKNESS (inches)	
0		270	14.75	AS1M A53B	Welded	1	8.625	0.322		35
27	70	805	14.75	304 Stainless Steel	Welded	ı	8.625	0.25		∉1 7 16
0		15	19	ASIM A53B			16	0.25		Trans.
										65
									-	
				<u>- </u>						20
									<u> </u>	0
-					1				<u>u</u>	a jarga
										1 1
	DEPTH	(feet bgl)	BORE HOLE	LIST ANNULAR SEAL M	ATERIAL A	ND	AMOUNT		METHO	
F	ROM	TO	DIAM. (inches)	GRAVEL PACK SIZE-RANG	E BY INTE	RVAL	(cubic feet)		PLACEN	MENT
0		120	14.75	Sand Mix Ready Mix			90.36		av. trem	
12		170	14.75	Hydrated Bentonite Chips			35.90		av. trem	
17	′0	805	14.75	6/9 Silica Sand			455.95	Ire	emie Pip	e
1										

<u> 26.30.28.3343</u>

LOCATION

	DEPTH (feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	30	30	Cemented Sand, light tan, sub-angular	$O_{\Lambda} O_{N}$	
	30	40	10	Sandy Silt, light brown, sub-angular	OYON	
	40	60	20	Sandy clay, reddish brown	OYON	
	60	80	20	Silty Sand, light brown, sub-angular	OYON	
	80	250	170	Fine to Medium Sand, light tan, sub-angular to rounded	OYON	
	250	260	10	Clayey Sand, brown, sub-angular	$O_A O_N$	
4. HYDROGEOLOGIC LOG OF WELL	260	320	60	Fine Sand, light tan, sub-angular	© Y O N	
¥.	320	380	60	Silty Sand, brownish gray, sub-angular	© Y C N	
250	380	410	30	Fine Sand, dark gray, sub-angular	© Y O N	
CIC	410	530	120	Clayey Fine Sand, dark gray, sub-angular	© Y O N	
OGI	530	590	60	Sandy Clay, dark gray, sub-angular	© Y O N	
10 <u>1</u>	590	600	10	Clayey Fine Sand, dark gray, sub-angular	© Y O N	
toc	600	630	30	Sandy Clay, dark gray, sub-angular	$ \begin{array}{c c} \bullet & \bullet \\ \hline \bullet & \bullet \\ \end{array} $	
XDI	630	650	20	Clayey Sand, dark gray, sub-angular	© Y O N	
4. H	650	700	50	Sandy Clay, dark gray, sub-angular	© Y O N	
	700	710	10	Clayey Sand, brown and gray, sub-angular	© Y O N	
	710	760	50	Sandy Clay, dark gray, sub-angular	© Y O N	
	760	770	10	Clay, 75% gray, 25% red	© Y C N	· · · · · · · · · · · · · · · · · · ·
	770	780	10	Clay, 50% gray, 50% red	© Y O N	,
	780	790	10	Clay, 25% gray, 75% red	© Y O N	
	790	805	15	Sandy Clay, Grayish red, 10% white sand.	● Y O N	
		i			OTAL ESTIMATED	
	() AIR LIF	r Oi	BAILER 💽	OTHER – SPECIFY: TBD by pump test	WELL YIELD (gpm):	TBD
z	WELL TES	T TEST	RESULTS - ATT I TIME, END TI	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCL ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER	UDING DISCHARGE I THE TESTING PERIO	<u>че</u> эт
ISIO	MISCELLA	NEOUS INF	ORMATION:		Aghtennis de Las Labores en el las La	M AL
ERV	Pump tes	st will be p	performed at a	a later time.		
sur	Hydrated	Bentonit	e Chips and S	and Mix Ready Mix were placed by gravity and tagged with t	remie pipe.	• = = = = = = = = = = = = = = = = = = =
5. TEST; RIG SUPERVISION					:	r er
EST	PRINT NAM	ME(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONST	RUCTION OTHER TH	AN LICENSEE:
5. T		` '	abriel Armijo,	• •	+	3 3 3
				IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF		
6. SIGNATURE				DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL REC TO DAYS AFTER COMPLETION OF WELL DRILLING:	ORD WITH THE STA	TE ENGINEER
NAT			· .			
SIG	12	1/1/	Sto	Tool H. Stewart 2.	-13-15	
9	and the same of th	SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	-
			<u> </u>	and the second of the second o	a a Milatara arang didagang	. wasyaska ambaja ja da kala

FOR OSE INTERNAL USE		WK-20 WELL KECOKD & LOG (Ver	Sion 00/08/2012)
FILE NUMBER C-3832	POD NUMBER PAD 2	TRN NUMBER 555 125	***
LOCATION 25.30.28.3343	· · · · · · · · · · · · · · · · · · ·		PAGE 2 OF 2

Locator Tool Report

General Information:

Application ID:27

Date: 05-28-2015

Time: 12:01:24

WR File Number: C-03782-POD1

Purpose: POINT OF DIVERSION

Applicant First Name: BOPCO EXPLORATORY WELL DRILLERS RECORD

Applicant Last Name: RENUMBERED C-3832-POD2

GW Basin: CARLSBAD County: EDDY

*Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE

Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

SW 1/4 of SE 1/4 of SW 1/4 of SW 1/4 of Section 28, Township 25S, Range 30E.

Coordinate System Details:

Geographic Coordinates:

Latitude:

32 Degrees 5 Minutes 40.1 Seconds N

Longitude:

103 Degrees 53 Minutes 32.2 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters) NAD 1983(92) (Survey Feet) NAD 1927 (Meters) NAD 1927 (Survey Feet)

N: 3,551,444 E: 604,526 N: 11,651,697 E: 1,983,348 N: 3,551,243 E: 604,573

N: 11,651,036 E: 1,983,505

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters) NAD 1983(92) (Survey Feet) NAD 1927 (Meters) NAD 1927 (Survey Feet)

N: 121,428 N: 398,385 N: 121,410

E: 206,630 E: 677,920 E: 194,077

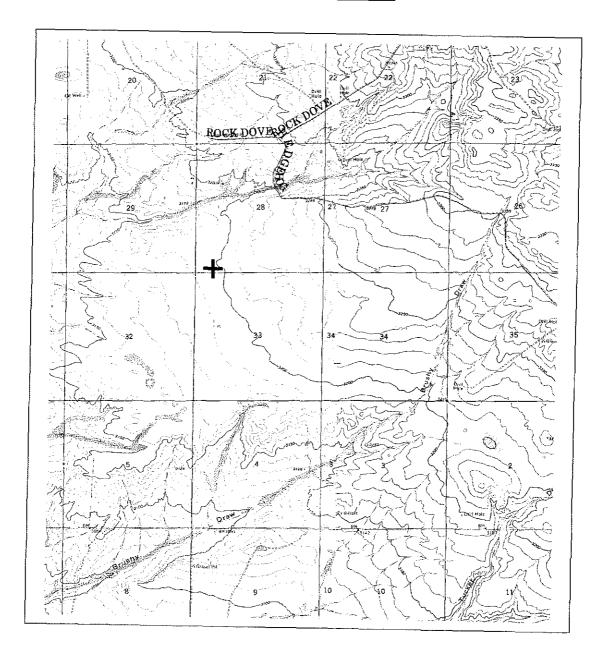
N: 398,327

E: 636,734



NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report





WR File Number: C-03782-POD1 Scale: 1:47,832

Northing/Easting: UTM83(92) (Meter): N: 3,551,444

E: 604,526

Northing/Easting: SPCS83(92) (Feet): N: 398,385

E: 677,920

GW Basin: Carlsbad

Page 2 of 2

Print Date: 05/28/2015



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc PLU Ross Ranch 33-25-30 USA Battery Incident Number NAPP2414137102





Photograph: 1 Date: 5/24/2024

 $\label{eq:Description:Liner inspection, tank battery sign.} \label{eq:Description:Liner inspection}$

View: South

Photograph: 2 Date: 5/24/2024

Description: Liner inspection, hole in liner.

View: NA





Photograph: 3 Date: 5/24/2024

Description: Salt crusting on surface of liner.

View: Northwest

Photograph: 4 Date: 5/24/2024

Description: Salt crusting on surface of liner.

View: South



Photographic Log

XTO Energy, Inc PLU Ross Ranch 33-25-30 USA Battery Incident Number NAPP2414137102





Photograph: 5 Date: 6/28/2024

Description: Liner delineation activities

View: Northwest

Photograph: 6 Date:8/14/2024

Description: Well sign View: Northwest





Photograph: 7 Date:8/14/2024

Description: Liner inspection following power wash.

View: Southwest

Photograph: 8 Date:8/14/2024

Description: Liner inspection following power wash.

View: Northeast



APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name:BH01	Date: 6/28/2024
								Site Name:PLU Ross Ranch 3	
			I		OL		IAI	Incident Number:NAPP2414	
								Job Number:	
		LITHOL	OGIO	C / SOIL S	AMPLING	LOG		Logged By: TH	Method: Hand Auger
Coord	inates: 32	.092973,	-103	.892444				Hole Diameter: 3.5"	Total Depth: 1
			_					PID for chloride and vapor, reactors included.	espectively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	_	ic Descriptions
М	812	0.8	Ν			- 0	0.5	0-1', CALICHE, moist, li small sub-angular gra no odor, unconsolida	ght brown-tan, some vel, some silt, no stain, ted fill.
М	173.6	0.1	N		-	1	1 TD	Total Depth at 1-foot b	ogs (auger refusal)
					-	2			
					-	- - - 3			
					-	4			
					- - -	- - - 5			
					- - -	- - - 6			
					-	- - - 7			
					-	- - - 8			
					- - -	- - - 9			
					- - -	10			
					-	11			
					_	- - 12			



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



July 09, 2024

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU ROSS RANCH 33-25-30 USA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/02/24 14:35.

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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 07/02/2024 Sampling Date: 06/28/2024

Reported: 07/09/2024 Sampling Type: Soil

Project Name: PLU ROSS RANCH 33-25-30 USA BATTER Sampling Condition: Cool & Intact
Project Number: 03C1558380 Sample Received By: Alyssa Parras

Project Location: XTO 32.09302,-103.89246

Sample ID: SS 01 0.5' (H243966-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	07/05/2024	ND	2.26	113	2.00	1.28	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.25	113	2.00	1.21	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.95	116	6.00	1.36	
Total BTEX	<0.300	0.300	07/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	195	97.4	200	0.0226	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	194	97.2	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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 whistoever 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



Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 07/02/2024 Reported:

07/09/2024 Sampling Type: PLU ROSS RANCH 33-25-30 USA BATTER

Applyzod By: 14

Sampling Date:

Sample Received By:

Project Name: Project Number: 03C1558380

Project Location: XTO 32.09302,-103.89246

ma/ka

Soil Sampling Condition: Cool & Intact

06/28/2024

Alyssa Parras

Sample ID: SS 02 0.5' (H243966-02)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	07/05/2024	ND	2.26	113	2.00	1.28	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.25	113	2.00	1.21	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.95	116	6.00	1.36	
Total BTEX	<0.300	0.300	07/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	195	97.4	200	0.0226	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	194	97.2	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 07/02/2024 Reported: 07/09/2024

07/09/2024 PLU ROSS RANCH 33-25-30 USA BATTER

Project Name: PLU ROSS RA Project Number: 03C1558380

Project Location: XTO 32.09302,-103.89246

ma/ka

Sampling Date: 06/28/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 03 0.5' (H243966-03)

RTFY 8021R

	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	07/05/2024	ND	2.26	113	2.00	1.28	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.25	113	2.00	1.21	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.95	116	6.00	1.36	
Total BTEX	<0.300	0.300	07/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	195	97.4	200	0.0226	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	194	97.2	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keene



Cool & Intact

Alyssa Parras

Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 07/02/2024 Reported: 07/09/2024

 07/02/2024
 Sampling Date:
 06/28/2024

 07/09/2024
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

Project Name: PLU ROSS RANCH 33-25-30 USA BATTER Project Number: 03C1558380

mg/kg

Project Location: XTO 32.09302,-103.89246

Sample ID: SS 04 0.5' (H243966-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/05/2024	ND	1.97	98.5	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.07	101	6.00	1.40	
Total BTEX	<0.300	0.300	07/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	195	97.4	200	0.0226	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	194	97.2	200	2.07	
	<10.0	10.0	07,03,202			57.2			

Analyzed By: JH

Surrogate: 1-Chlorooctane 111 % 48.2-134
Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keine



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum 11 C

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State: TX Zip: 79701 State: TX Zip: 79701 Attn: Amy Cull Address: 384 Grean Fax #: Address: 384 Grean City: Carls had State: NM Zip: 88770 Phone #: 437. 661-0511 Fax #: MATRIX PRESERV. SAMPLING
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State: TX Zip: 79701 State: TX Zip: 79701 Attn: Amu Cull Project Owner: XTO City: Carl Shall Fax #: PRESERV SAMPLING O. S GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: TO City: Carl Shall Fax #: Fax #: Fax #: Fax #: ACID/BASE: TO City: Carl Shall Fax #:
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State: TX Zip: 79701 State: TX Zip: 79701 Attn: Amu Cull Project Owner: XTO City: Carl Shall Fax #: Preserv Shall Fax #: Fax #: PRESERV SAMPLING O.5 GROUNDWATER WASTEWATER SOIL OTHER: ACID/BASE: ICE / COTHER: TPH 8015 BTEX 8021
State: TX Zip: 79701 State: TX Zip: 79701 Attn: Annu Cully: Address: 304 6 real Cully: Address: 304
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State: TX Zip: 79701 State: TX Zip: 79701 Address: 384 6 MALL Project Owner: XTO Project Owner: XTO City: Co-/S b ad City: Co-/S b ad Phone #: 432 6th - 0511 Fax #: MATRIX PRESERVI SAMPLING O. 5 G. 5 G. 5 Depth O. 5 G. 7 Depth O. 5 Depth O. 5 G. 7 Depth O. 5 Depth O. 5 G. 7 Depth O. 5 Depth O. 6 Depth O. 7 Depth O. 7 Depth O. 7 Depth O. 8 Depth O. 9 Depth O
State: TX Zip: 79701 State: TX Zip: 79701 Attn: Annu Cully Project Owner: XTO Project Owner: XTO City: Colls & Bold Fax #: MATRIX PRESERVY SAMPLING O.5 G) # CONTAINERS GROUNDWATER WASTEWATER SOIL O.5 G) # CONTAINERS GOIL SLUDGE OTHER: ACID/BASE:: ACID/BAS
State: TX Zip: 79701 State: TX Zip: 79701 Address: 384 Grean Reach 33.2530 USA Batton Phone #: 432. (abi-051) Fax #: Fax #: Fax #: Phone #: 432. (abi-051) Fax #: Phone #: 432. (abi-051) Fax #: O.55 Grad of the contained
State: TX Zip: 79701 State: TX Zip: 79701 Attn: Annu Cull Project Owner: XTO Project Owner: XTO City: Carls had Runch 33:25:30 USA Batton Ray: Andress: 384 Grean City: Carls had Ray: State: NM Zip: 88220 Phone #: 432. Gal-051 Fax #: PRESERV. SAMPLING O. 5 G. 6 G. 5 G. 7 G. 5 G. 7
State: TX Zip: 79701 State: TX Zip: 79701 Address: 384 6 MALL Project Owner: XTO Project Owner: XTO City: Carls bad City: Carls bad Reach 33.2530 USA BAHCM State: MM Zip: 88220 Phone #: 432-661-0511 Fax #: PRESERVI SAMPLING O. 5 O. 5 O. 5 Depth (C)OMP. Fax #: PRESERVI SAMPLING OTHER: ACID/BASE: ACI
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July 09, 2024

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU ROSS RANCH 33-25-30 USA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/02/24 14:35.

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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 07/02/2024 Sampling Date: 06/28/2024

Reported: 07/09/2024 Sampling Type: Soil

Project Name: PLU ROSS RANCH 33-25-30 USA BATTER Sampling Condition: Cool & Intact
Project Number: 03C1558380 Sample Received By: Alyssa Parras

Project Location: XTO 32.09302,-103.89246

Sample ID: BH 01 0.5' (H243967-01)

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	07/05/2024	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/05/2024	ND	1.97	98.5	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.07	101	6.00	1.40	
Total BTEX	<0.300	0.300	07/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/05/2024	ND	400	100	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	07/08/2024	ND	195	97.4	200	0.0226	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	194	97.2	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					
Surrogate: 1-Chlorooctane	123 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	147 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 07/02/2024 Sampling Date: 06/28/2024

Reported: 07/09/2024 Sampling Type: Soil

Project Name: PLU ROSS RANCH 33-25-30 USA BATTER Sampling Condition: Cool & Intact
Project Number: 03C1558380 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.09302,-103.89246

mg/kg

Sample ID: BH 01A 1' (H243967-02)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	2.02	101	2.00	1.09	
Toluene*	<0.050	0.050	07/05/2024	ND	1.97	98.5	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.07	101	6.00	1.40	
Total BTEX	<0.300	0.300	07/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	195	97.4	200	0.0226	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	194	97.2	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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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 whistoever 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.

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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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Celeg D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

		1				
Company Name: Ensolum, LLC	IM, LLC		BILL TO			ANALYSIS REQUEST
Project Manager: Ben Belil	Belill		P.O. #:			
Address: 601 N Marienfeld Street, Suite 400	eld Street, Suite 400		Company: X 70 Fu and	0000		
City: Midland	State: TX	Zip: 79701	Attn: Anni Pinth	5		
Phone #: 9898540852	858 Fax #:			01.00		
Project #: 03C1558 380		ner: X70	city: Perished	Char		
Project Name: PLU Ross Rondo	do	30 USA Baters	State: NW Zip: 88970	20		
Project Location: 32, ()			Phone #: 432-(401-057)	0571		
Sampler Name: Tracy Hillard	llard		Fax #:	1100		
FOR LAB USE ONLY		MATRIX	ESERV	SAMPLING	_	
		R				
Lab I.D. Sampl	Sample I.D. Depth (feet)	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL BLUDGE	OTHER: ACID/BASE: CE/COOL COTHER:	TPH 8015	BTEX 8021 Chloride 4500	
SHO	0,5	×	×	0955 8	R	
A LOHOLA	A	-	-		R R	
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PAGE NOTE: ISSUED					/	
lyses. All claims including those for negligible. In no event shall Cardinal be liable to	Tayloss. All claims including those for negligence and any other cause whatcoever shall be deemed waived unises made in contract or bot, shall be limited to the amount paid by the client for the valves. All claims including those for negligence and any other cause whatcoever shall be deemed waived unises made in whiting and received by Caffinial within 30 days after completion of the applicable proce. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss or loss of order in profits increme have found and any other cardinal damages, including without limitation, business interruptions, loss or loss of order in profits increme have found and any other cardinal damages, including without limitation, business interruptions, loss or loss of order in profits increme have found and any other cardinal damages, including without limitation, business interruptions, loss or loss of order in profits increment have found and any other cardinal damages, including without limitation, business interruptions, loss or loss of order in profits increment have been an expense.	any claim arising whether based in contract or e deemed waived unless made in writing and ng without limitation, business interruptions, lo	or fort, shall be limited to the amount paid received by Cardinal within 30 days after use of loss of profits incurred by old	by the client for the completion of the applicable		The state of the s
Relinquished By:	no the performance of services hereunder by Card	Cardinal, regardless of whether such claim is	ther such claim is based upon any of the above stated rea			
	10 7.2.24	received by:		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	l Yes □ No □ A iled. Please provide	Add' Phone #: de Email address:
Mr Van	Se In By	-		BBelill@ensolum.o	om, TMorrissey@ens	BBeiill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
reinquisned By:	Date:	Received By:		1051 (02-1103)	57102	
ampler - UPS - Bus - Other:	Corrected Tamp. C. 30		CHECKED BY: (Initials)	Turnaround Time:		-n4
FURM-006 R 3.2 10/07/		No I No	AP	Correction Factor -0.5°C	0 hl# 3	☐ No ☐ No Corrected Temp. °C

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 374578

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	374578
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2414137102
Incident Name	NAPP2414137102 PLU ROSS RANCH 33-25-30 USA BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU Ross Ranch 33-25-30 USA Battery
Date Release Discovered	05/16/2024
Surface Owner	Federal

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

laterial(s) released, please answer all that apply below. Any calculations or specific justifications	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 10 BBL Recovered: 10 BB Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV**

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

QUESTIONS, Page 2

Action 374578

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462	11 3, 1411 37 333
QUESTI	ONS (continued)
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380 Action Number: 374578 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
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.	g. 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	T i
The source of the release has been stopped The impacted area has been secured to protect human health and the	True
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.
	i ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t 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: 08/16/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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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 3

Action 374578

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	374578
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 th release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
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	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area Yes		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	05/24/2024	
On what date will (or did) the final sampling or liner inspection occur	08/14/2024	
On what date will (or was) the remediation complete(d)	08/14/2024	
What is the estimated surface area (in square feet) that will be remediated	0	
What is the estimated volume (in cubic yards) that will be remediated	0	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Released to Imaging: 8/20/2024 10:42:30 AM

District I

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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 4

Action 374578

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	374578
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to ti	he appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remedia	te / reduce contaminants:
(Select all answers below that apply.)	
Is (or was) there affected material present needing to be removed	No
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	No
Per Subsection B of 19 15 29 11 NMAC unless the site characterization report includes completed	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC

which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Colton Brown Title: Environmental Advisor

Email: colton.s.brown@exxonmobil.com

Date: 08/16/2024

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.

District I

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<u>District II</u> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 **District III**

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Remediation Closure Request

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 374578

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	374578
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information		
Last liner inspection notification (C-141L) recorded	373001	
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	08/14/2024	
Was all the impacted materials removed from the liner	Yes	
What was the liner inspection surface area in square feet	7500	

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

only unswer the questions in this group is decking remediation decare for this release because an r	emediation 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	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	Following the failed liner integrity inspection at the Site, Ensolum personnel advanced one borehole (BH01) at the location of the tear in the liner to assess for the presence or absence of impacted soil resulting from the May 16, 2024 produced water release within a lined containment. Two delineation soil samples were collected from the borehole, at depths of approximately 0.5 feet and 1 foot bgs and four delineation soil samples (SS01 through SS04) were collected at a depth of 0.5 feet bgs around the lined containment. Laboratory analytical results for all delineation soil samples indicated all COC concentrations were compliant with the Closure Criteria. The release was contained laterally by the lined containment walls and is delineated vertically through laboratory analytical results from BH01. All released fluids were recovered during initial response activities.

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.

Name: Colton Brown
Title: Environmental Advisor
Email: colton.s.brown@exxonmobil.com
Date: 08/16/2024

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

CONDITIONS

Action 374578

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
	Action Number:
	374578
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	/ Condition	Condition Date
scwells	None	8/20/2024