



June 1, 2026

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Reclamation Report
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 *Reclamation Report* for the PLU CVX JV BS 013H (Site). This *Reclamation Report* documents the Site history, reclamation activities completed to date, and proposes a vegetation monitoring plan.

BACKGROUND

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.

Delineation and excavation of impacted soil was completed at the Site between October 31, 2024, and February 24, 2025. The final excavation measured approximately 1,790 square feet. A total of approximately 240 cubic yards of impacted soil were removed during the excavation activities. Based on the delineation and excavation soil sample analytical results, a *Closure Request*, dated April 14, 2025, was submitted to the NMOCD on April 15, 2025. The NMOCD approved the *Closure Request* on June 23, 2025. Additional details regarding the release, Site Characterization, delineation and excavation activities, and soil sample analytical results can be referenced in the approved *Closure Request* attached as an appendix to this report. Remediation of the release was completed in accordance with Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled and the disturbed area was restored to its original condition. The excavation area in the

XTO Energy, Inc
 Reclamation Report
 PLU CVX JV BS 013H

pasture was backfilled with locally procured topsoil. Following backfill activities, the disturbed area was graded and contoured to match the surrounding topography. The release extent and reclamation area are shown on the attached Figure 1.

One representative 5-point composite sample (BF01) was collected from the topsoil backfill material on March 13, 2026. The backfill soil sample was transported under strict chain-of-custody procedures to Eurofins Environment Testing in Carlsbad, New Mexico, for analysis of the following constituents of concern (COCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method SW846 8021B; total petroleum hydrocarbons (TPH)–gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method SW846 8015B NM; and chloride following EPA Method 300.0.

Laboratory analytical results for the backfill soil sample confirmed compliance with NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/kg), BTEX concentrations less than 50 mg/kg, and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 1 and the complete laboratory analytical report is included as Appendix A. Photographic documentation of the current Site condition is included in Appendix B.

The pasture area will be seeded during the Spring of 2026, when temperatures and precipitation are conducive to vegetation growth. The Site will be seeded with the below BLM seed mix #2 for sandy sites at the rate specified in pounds of pure live seed (PLS) per acre.

Species/Cultivar	PLS/Acre
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled, and the seed will be covered by chaining or harrowing the Site.

VEGETATION MONITORING

The Site will be monitored for vegetation growth to ensure that reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the BLM seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicator or mechanically removed.

A *Revegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

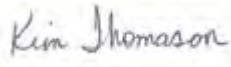
XTO Energy, Inc
Reclamation Report
PLU CVX JV BS 013H

RECLAMATION APPROVAL REQUEST

The approved April 14, 2025, *Closure Request* is included in Appendix C. Based on the reclamation activities completed to date and proposed vegetation monitoring plan described above, XTO respectfully requests approval of this *Reclamation Report* and a status update to *Reclamation Report Approved, Pending submission of Re-Vegetation Report* for Incident nAPP2428842762.

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

Sincerely,
Ensolum, LLC



Kim Thomason
Senior Technician



Aimee Cole
Senior Managing Scientist

cc:
Robert Woodall, XTO
Richard Kotzur, XTO
Bureau of Land Management



Appendices:

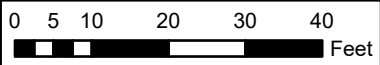
- Figure 1 Reclamation Area
- Table 1 Backfill Soil Sample Analytical Results
- Appendix A Laboratory Analytical Report & Chain of Custody Documentation
- Appendix B Photographic Log
- Appendix C April 14, 2025, *Closure Request*



FIGURES

Legend

-  Release Extent
-  Excavation Extent/
Reclamation Area



Sources: Environmental Systems Research Institute (ESRI)

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

FIGURE

1





TABLES



TABLE 1 BACKFILL SOIL SAMPLE ANALYTICAL RESULTS PLU CVX JV BS 013H XTO Energy, Inc. Eddy County, New Mexico										
Sample Designation	Date	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 Reclamation Requirement (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Backfill Soil Sample										
BF01	3/13/2026	Surface	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	<9.92

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 3/23/2026 11:33:08 AM

JOB DESCRIPTION

PLU CVW JV BS 013H
 03C1558572

JOB NUMBER

890-9651-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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3/23/2026 11:33:08 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Laboratory Job ID: 890-9651-1
SDG: 03C1558572

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Definitions/Glossary

Client: Ensolum
 Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
 SDG: 03C1558572

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: PLU CVW JV BS 013H

Job ID: 890-9651-1

Job ID: 890-9651-1

Eurofins Carlsbad

Job Narrative 890-9651-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 3/13/2026 3:58 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: BF 01 (890-9651-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-135151 and analytical batch 880-135241 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad



Client Sample Results

Client: Ensolum
 Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
 SDG: 03C1558572

Client Sample ID: BF 01

Lab Sample ID: 890-9651-1

Date Collected: 03/13/26 10:45

Matrix: Solid

Date Received: 03/13/26 15:58

Sample Depth: SURFACE

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/17/26 15:51	03/18/26 12:31	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/17/26 15:51	03/18/26 12:31	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/17/26 15:51	03/18/26 12:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/17/26 15:51	03/18/26 12:31	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/17/26 15:51	03/18/26 12:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/17/26 15:51	03/18/26 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/17/26 15:51	03/18/26 12:31	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/17/26 15:51	03/18/26 12:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/18/26 12:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/19/26 20:44	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/16/26 15:36	03/19/26 20:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/16/26 15:36	03/19/26 20:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/16/26 15:36	03/19/26 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	03/16/26 15:36	03/19/26 20:44	1
o-Terphenyl	109		70 - 130	03/16/26 15:36	03/19/26 20:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			03/17/26 03:32	1

Surrogate Summary

Client: Ensolum
 Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
 SDG: 03C1558572

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9650-A-1-C MS	Matrix Spike	81	93
890-9650-A-1-D MSD	Matrix Spike Duplicate	97	100
890-9651-1	BF 01	94	102
LCS 880-135151/1-A	Lab Control Sample	104	106
LCS 880-135151/2-A	Lab Control Sample Dup	100	104
MB 880-135151/5-A	Method Blank	92	95

Surrogate Legend
 BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-69596-A-5-C MS	Matrix Spike	110	105
880-69596-A-5-D MSD	Matrix Spike Duplicate	114	107
890-9651-1	BF 01	94	109
LCS 880-135030/2-A	Lab Control Sample	115	104
MB 880-135030/1-A	Method Blank	104	114

Surrogate Legend
 1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-135151/5-A
Matrix: Solid
Analysis Batch: 135241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135151

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/17/26 15:51	03/18/26 11:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/17/26 15:51	03/18/26 11:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/17/26 15:51	03/18/26 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/17/26 15:51	03/18/26 11:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/17/26 15:51	03/18/26 11:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/17/26 15:51	03/18/26 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/17/26 15:51	03/18/26 11:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/17/26 15:51	03/18/26 11:49	1

Lab Sample ID: LCS 880-135151/1-A
Matrix: Solid
Analysis Batch: 135241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07141		mg/Kg		71	70 - 130
Toluene	0.100	0.08047		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.08005		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1672		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08044		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-135151/2-A
Matrix: Solid
Analysis Batch: 135241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135151

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.07968		mg/Kg		80	70 - 130	11	35
Toluene	0.100	0.08500		mg/Kg		85	70 - 130	5	35
Ethylbenzene	0.100	0.08307		mg/Kg		83	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1713		mg/Kg		86	70 - 130	2	35
o-Xylene	0.100	0.08334		mg/Kg		83	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-9650-A-1-C MS
Matrix: Solid
Analysis Batch: 135241

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.02060	F1	mg/Kg		21	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.01648	F1	mg/Kg		16	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-9650-A-1-C MS
Matrix: Solid
Analysis Batch: 135241

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135151

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F2 F1	0.100	0.01502	F1	mg/Kg		15	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.02995	F1	mg/Kg		15	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.01890	F1	mg/Kg		19	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-9650-A-1-D MSD
Matrix: Solid
Analysis Batch: 135241

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 135151

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F2 F1	0.100	0.05870	F2 F1	mg/Kg		59	70 - 130	96	35
Toluene	<0.00200	U F2 F1	0.100	0.05795	F2 F1	mg/Kg		58	70 - 130	111	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.05531	F2 F1	mg/Kg		55	70 - 130	115	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.1150	F2 F1	mg/Kg		58	70 - 130	117	35
o-Xylene	<0.00200	U F2 F1	0.100	0.06063	F2 F1	mg/Kg		61	70 - 130	105	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-135030/1-A
Matrix: Solid
Analysis Batch: 135442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135030

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/16/26 15:36	03/19/26 14:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/16/26 15:36	03/19/26 14:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/16/26 15:36	03/19/26 14:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	104		70 - 130	03/16/26 15:36	03/19/26 14:20	1
o-Terphenyl	114		70 - 130	03/16/26 15:36	03/19/26 14:20	1

Lab Sample ID: LCS 880-135030/2-A
Matrix: Solid
Analysis Batch: 135442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135030

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	994.7		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1018		mg/Kg		102	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-135030/2-A
Matrix: Solid
Analysis Batch: 135442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135030

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	115		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-69596-A-5-C MS
Matrix: Solid
Analysis Batch: 135442

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135030

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	849.5		mg/Kg		85		70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	999	954.9		mg/Kg		96		70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	110		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-69596-A-5-D MSD
Matrix: Solid
Analysis Batch: 135442

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 135030

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	898.1		mg/Kg		90		70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	972.8		mg/Kg		97		70 - 130	2	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	114		70 - 130
o-Terphenyl	107		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-134961/1-A
Matrix: Solid
Analysis Batch: 135032

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<10.0	U	10.0	mg/Kg			03/17/26 01:26	1

Lab Sample ID: LCS 880-134961/2-A
Matrix: Solid
Analysis Batch: 135032

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Chloride	250	247.3		mg/Kg		99		90 - 110

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
 Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
 SDG: 03C1558572

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-134961/3-A
 Matrix: Solid
 Analysis Batch: 135032

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-9649-A-5-B MS
 Matrix: Solid
 Analysis Batch: 135032

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.2		251	272.2		mg/Kg		104	90 - 110

Lab Sample ID: 890-9649-A-5-C MSD
 Matrix: Solid
 Analysis Batch: 135032

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.2		251	271.5		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

GC VOA

Prep Batch: 135151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Total/NA	Solid	5035	
MB 880-135151/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135151/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135151/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9650-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9650-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 135241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Total/NA	Solid	8021B	135151
MB 880-135151/5-A	Method Blank	Total/NA	Solid	8021B	135151
LCS 880-135151/1-A	Lab Control Sample	Total/NA	Solid	8021B	135151
LCSD 880-135151/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135151
890-9650-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	135151
890-9650-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	135151

Analysis Batch: 135420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 135030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Total/NA	Solid	8015NM Prep	
MB 880-135030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
880-69596-A-5-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-69596-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 135442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Total/NA	Solid	8015B NM	135030
MB 880-135030/1-A	Method Blank	Total/NA	Solid	8015B NM	135030
LCS 880-135030/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135030
880-69596-A-5-C MS	Matrix Spike	Total/NA	Solid	8015B NM	135030
880-69596-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	135030

Analysis Batch: 135633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 134961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Soluble	Solid	DI Leach	
MB 880-134961/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-134961/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-134961/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9649-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-9649-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

HPLC/IC

Analysis Batch: 135032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9651-1	BF 01	Soluble	Solid	300.0	134961
MB 880-134961/1-A	Method Blank	Soluble	Solid	300.0	134961
LCS 880-134961/2-A	Lab Control Sample	Soluble	Solid	300.0	134961
LCSD 880-134961/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	134961
890-9649-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	134961
890-9649-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	134961

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Lab Chronicle

Client: Ensolum
 Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
 SDG: 03C1558572

Client Sample ID: BF 01

Lab Sample ID: 890-9651-1

Date Collected: 03/13/26 10:45

Matrix: Solid

Date Received: 03/13/26 15:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135151	03/17/26 15:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135241	03/18/26 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135420	03/18/26 12:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			135633	03/19/26 20:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135030	03/16/26 15:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135442	03/19/26 20:44	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134961	03/16/26 10:57	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135032	03/17/26 03:32	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
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Method Summary

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Ensolum
Project/Site: PLU CVW JV BS 013H

Job ID: 890-9651-1
SDG: 03C1558572

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9651-1	BF 01	Solid	03/13/26 10:45	03/13/26 15:58	SURFACE

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9651-1

SDG Number: 03C1558572

Login Number: 9651

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9651-1

SDG Number: 03C1558572

Login Number: 9651

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 03/16/26 08:43 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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APPENDIX B

Photographic Log



Photographic Log
XTO Energy, Inc
PLU CVX JV BS 013H
nAPP2428842762

S SW W NW
150 180 210 240 270 300 330
240°SW (T) 32.181696°N, 103.833594°W ±3ft ▲ 3454ft



Ensolum, LLC

13 Mar 2026, 10:45:22 MDT

E SE S SW V
90 120 150 180 210 240 270
176°S (T) 32.181783°N, 103.833648°W ±13ft ▲ 3455ft



Ensolum, LLC

13 Mar 2026, 10:45:35 MDT

Photograph: 1 Date: 3/13/2026
Description: Backfilled Excavation Area
View: Southwest

Photograph: 2 Date: 3/13/2026
Description: Backfilled Excavation Area
View: South

NE E SE S
30 60 90 120 150 180 210
117°SE (T) 32.181856°N, 103.833666°W ±6ft ▲ 3461ft



Ensolum, LLC

13 Mar 2026, 10:45:47 MDT

E SE S SW
90 120 150 180 210 240
165°S (T) 32.181855°N, 103.833661°W ±6ft ▲ 3458ft



Ensolum, LLC

13 Mar 2026, 10:45:49 MDT

Photograph: 3 Date: 3/13/2026
Description: Backfilled Excavation Area
View: East

Photograph: 4 Date: 3/13/2026
Description: Backfilled Excavation Area
View: Southeast



APPENDIX C

April 14, 2025 Closure Request



April 14, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
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 this *Closure Request* to document excavation and soil sampling activities performed at the PLU CVX JV BS 013H (Site). The purpose of excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan (Work Plan)*, was to address impacts to soil resulting from a release of crude oil and produced water at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further remediation for Incident Number nAPP2428842762.

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.

Ensolum conducted Site assessment and delineation activities and presented the results in the *Work Plan*. The *Work Plan* was submitted on January 2, 2025, and was approved by the NMOCD on January 15, 2025. The *Work Plan* proposed excavation of impacted and waste-containing soil identified during delineation activities. Delineation sample locations are depicted on Figure 1.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the approved *Work Plan*, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)

XTO Energy, Inc
PLU CVX JV BS 013H
Closure Request

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range 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 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

EXCAVATION SOIL SAMPLING ACTIVITIES

Between February 5 and February 24, 2025, Ensolum personnel were onsite to oversee excavation of impacted soil according to the approved *Work Plan*. Excavation activities were performed by use of heavy equipment. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Once field screening results indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS09 were collected from the floor of the excavation at depths ranging from 1-foot to 4 feet bgs. Confirmation soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The confirmation soil sample locations were mapped utilizing a handheld global positioning system (GPS) unit and are depicted on Figure 2. Photographic documentation was collected during the excavation activities and a Photographic Log is provided in Appendix A.

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

The final excavation extent measured approximately 1,790 square feet. A total of approximately 240 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and disposed of at Owl Landfill Service, LLC in Jal, New Mexico. Copies of disposal manifests are provided in Appendix B. The final excavation was fenced off pending backfill activities.

LABORATORY ANALYTICAL RESULTS

As detailed in the *Work Plan*, delineation soil samples SS01/BH01 through SS03/BH03 indicated the presence of chloride impacted soil. These soil samples were removed during excavation activities. Laboratory analytical results for excavation floor soil sample FS06, collected at 2 feet bgs, indicated chloride concentrations exceeded the reclamation requirement. Additional soil was removed from the area and confirmation soil sample FS06A, collected at 3 feet bgs, indicated COC concentrations were compliant with the reclamation requirement. Analytical results for the remaining excavation floor and sidewall soil samples indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirement. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix C.

XTO Energy, Inc
PLU CVX JV BS 013H
Closure Request

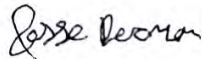
CLOSURE REQUEST

Excavation activities were conducted at the Site as outlined in the *Work Plan* to address the October 11, 2024, release of crude oil and produced water. The approved *Work Plan* is provided in Appendix D. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirement, where applicable. Based on the soil sample laboratory analytical results, no further remediation is required. The excavated area will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing Site conditions. The area will be reseeded with an approved BLM seed mixture and monitored for vegetation regrowth.

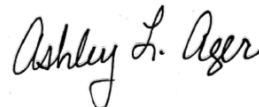
Excavation of soil has mitigated impacts at this Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2428842762.

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

Sincerely,
Ensolum, LLC



Jesse Dorman
Associate Geologist



Ashley L. Ager, M.S., P.G.
Principal

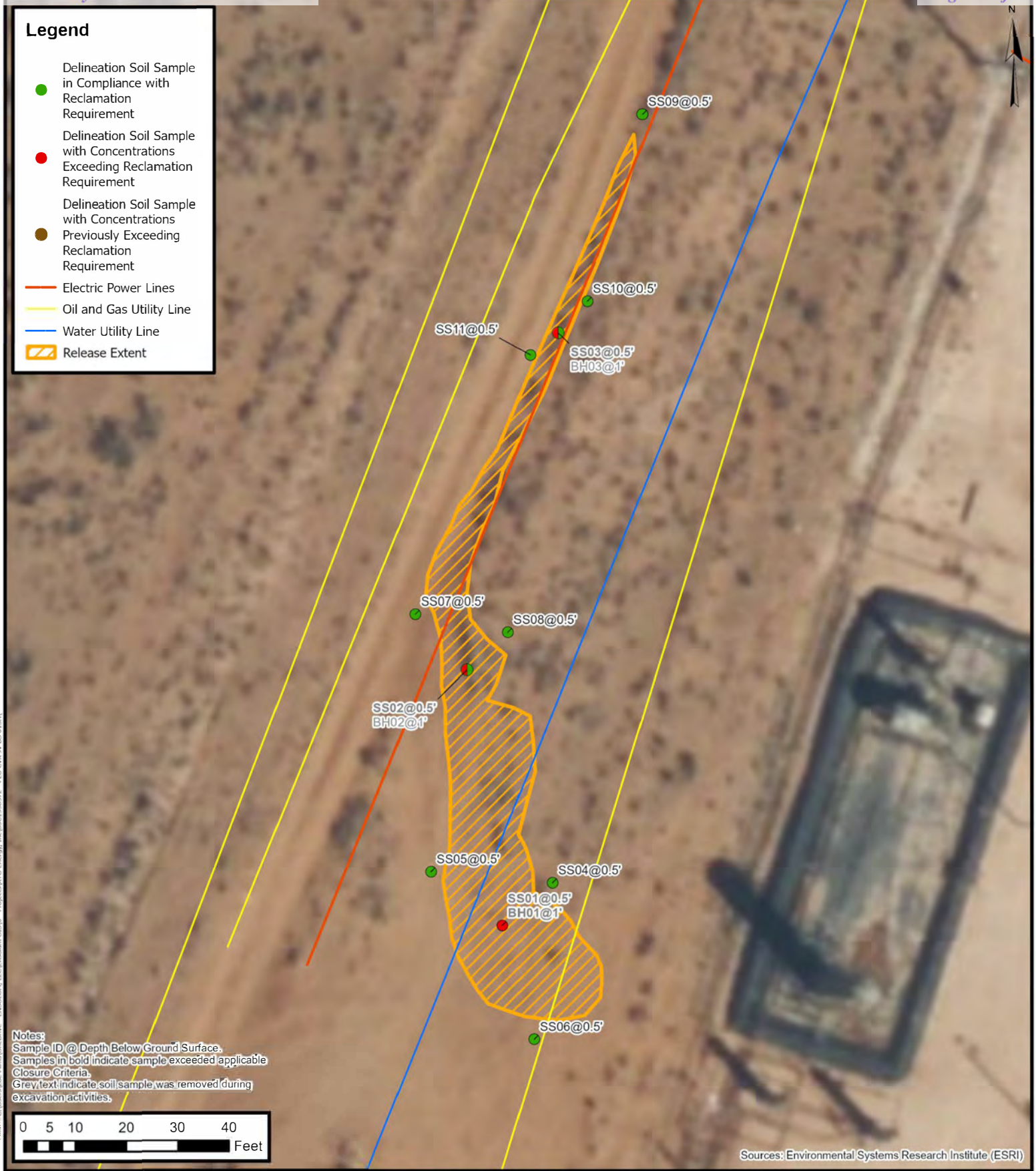
cc: Colton Brown, XTO
Kaylan Dirkx, XTO
BLM

Appendices:

- Figure 1 Delineation Soil Sample Locations
- Figure 2 Excavation Soil Sample Locations
- Table 1 Soil Sample Analytical Results
- Appendix A Photographic Log
- Appendix B Disposal Manifests
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix D January 2, 2025 Remediation *Work Plan*



FIGURES



Delineation Soil Sample Locations

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

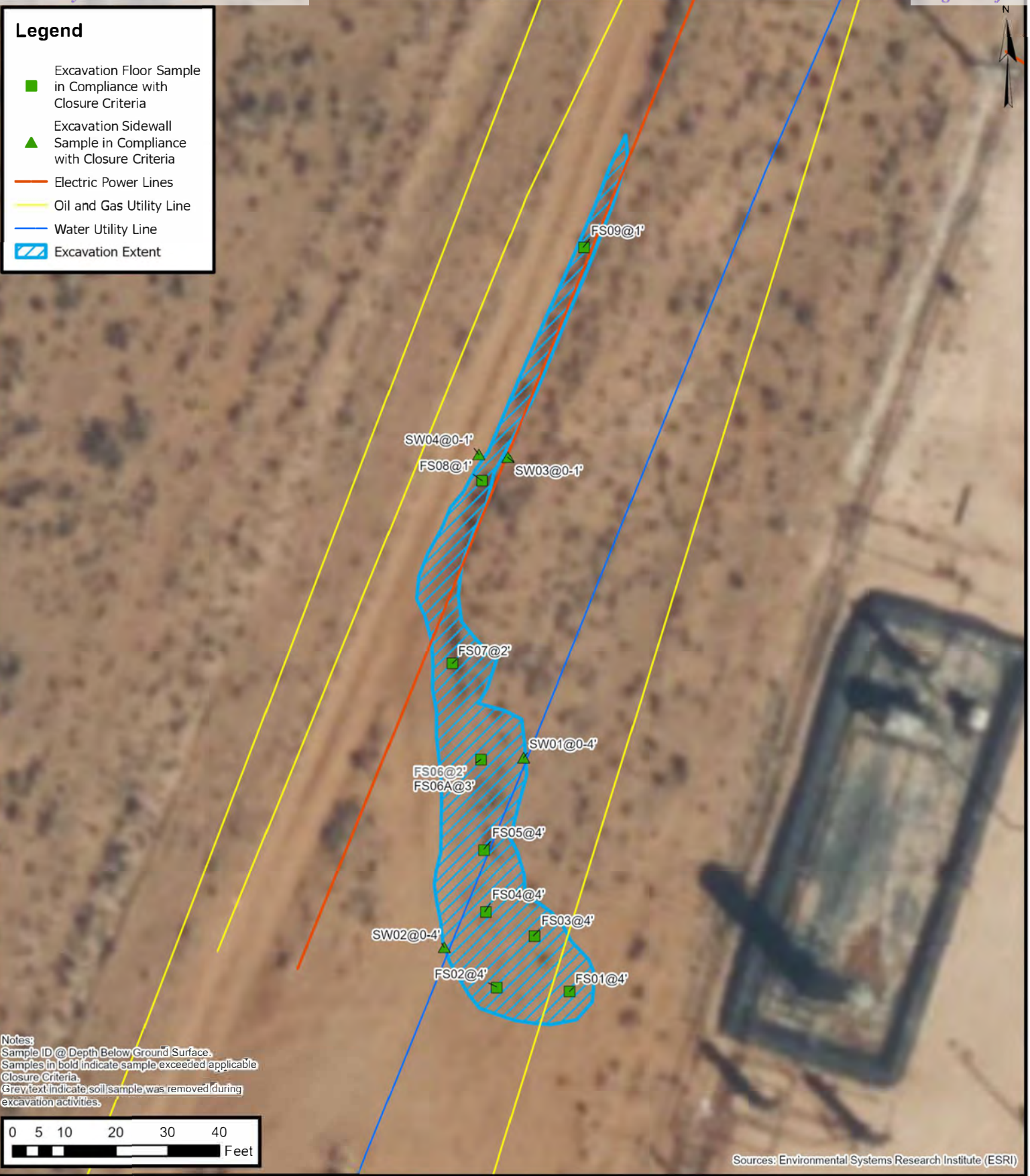
FIGURE

1



Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Electric Power Lines
- Oil and Gas Utility Line
- Water Utility Line
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable Closure Criteria.
 Grey text indicate soil sample was removed during excavation activities.

Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

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

FIGURE
2



TABLES

**TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU CVX JV BS 013H
XTO Energy, Inc
Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	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	42.6	67.5	80.4	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
Confirmation Soil Samples										
FS01	02/10/2025	4	<0.050	<0.300	<10.0	255	86.7	255	342	1,570
FS02	02/10/2025	4	<0.050	<0.300	<10.0	26.3	<10.0	26.3	26.3	2,110
FS03	02/10/2025	4	<0.050	<0.300	<10.0	29.7	<10.0	29.7	29.7	1,550
FS04	02/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
FS05	02/10/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS06	02/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,170
FS06A	02/24/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS07	02/10/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS08	02/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS09	02/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW01	02/10/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW02	02/10/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU CVX JV BS 013H
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW03	02/10/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW04	02/10/2025	0-1	<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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Photographic Log



Photographic Log
XTO Energy, Inc
PLU CVX JV BS 013H
Incident Number nAPP2428842762



Photograph 1 Date: 2/10/2025
Description: Excavation extent, area of SW02/FS03.
View: Southwest



Photograph 2 Date: 2/10/2025
Description: Excavation extent, area of FS09.
View: Northeast



Photograph 3 Date: 2/24/2025
Description: Excavation extent, northern release area.
View: South

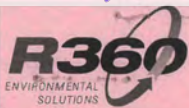


Photograph 4 Date: 2/24/2025
Description: Excavation extent, southern release area.
View: Northwest



APPENDIX B

Disposal Manifests



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Rote

Phone No. 4197332615

GENERATOR

NO. **HW-735954**

Generator Manifest # _____

Location of Origin _____

Generator Name XTO

Lease/Well Name & No. Poker Lake unit CUX JV BS

Address _____

County _____

City, State, Zip _____

API No. # 0134

Phone No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Dump</u>		
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____			
Water Based Cuttings _____	Produced Water (Non-Injectable) _____			
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____			
Tank Bottoms _____	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO _____	QUANTITY	TOP SOIL	CALICHE
Gas Plant Waste _____				

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 18 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Two National/Compa

Driver's Name Antonio de Jesus E.

Address _____

Print Name _____

Phone No. _____

Phone No. _____

Transporter Ticket # _____

Truck No. Dump truck D-03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE 02/21/2025

DRIVER'S SIGNATURE Antonio de Jesus E.

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006

Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Guage				
2nd Guage			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name: [Handwritten] Phone No.: [Handwritten]

GENERATOR

NO. HW-727488

Generator Manifest # [Handwritten] Generator Name Address City, State, Zip Phone No.

Location of Origin Lease/Well Name & No. [Handwritten] County API No. Rig Name & No. AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.), NON-INJECTABLE WATERS, OTHER EXEMPT E&P WASTE STREAMS, INTERNAL USE ONLY, and TOP SOIL & CALICHE SALES.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other [] *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS [Handwritten] E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name [Handwritten] Address Phone No. Transporter Ticket #

Driver's Name [Handwritten] Print Name Phone No. Truck No. [Handwritten]

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No. [Handwritten]

Site Name/ Permit No. Address Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, and BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT) DATE TITLE SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name: K... Phone No: 575-988-4411

GENERATOR

NO. HW-730992

Generator Manifest # YTO
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No. PLUGUX JV 85 ORH
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for Oil Based Muds, NON-INJECTABLE WATERS, OTHER EXEMPT E&P WASTE STREAMS, INTERNAL USE ONLY, and TOP SOIL & CALICHE SALES.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BLS Received, Free Water, Total Received, and BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name: [Handwritten] Phone No: [Handwritten]

GENERATOR

NO. HW-726841

Generator Manifest # [Handwritten] Generator Name Address City, State, Zip Phone No.

Location of Origin Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for Oil Based Muds, Oil Based Cuttings, Water Based Muds, Water Based Cuttings, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, INTERNAL USE ONLY, and OTHER EXEMPT E&P WASTE STREAMS.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other [] *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Address Phone No. Transporter Ticket #

Driver's Name Print Name Phone No. Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/ Permit No. Address Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, and BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name: YTD-25007
Phone No.

GENERATOR		NO. HW-732962
Generator Manifest # <u>X70</u>	Location of Origin <u>WV/VA</u>	Lease/Well <u> </u>
Generator Name <u> </u>	Name & No. <u> </u>	County <u> </u>
Address <u> </u>	API No. <u> </u>	Rig Name & No. <u> </u>
City, State, Zip <u> </u>	AFE/PO No. <u> </u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	QUANTITY TOP SOIL CALICHE
Gas Plant Waste	YES NO	

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Kent Petz (PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name THE NAT GROUP / 2400 105 Driver's Name ANIBAI

Address Print Name

Phone No. Phone No.

Transporter Ticket # Truck No. 05

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 07-12-25 DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: <u> </u> OUT: <u> </u>	DISPOSAL FACILITY Name/No. <u> </u>	RECEIVING AREA Name/No. <u> </u>
--	--	---

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BLS Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

 NAME (PRINT) 2-17-25 DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Retz

Phone No. 575-988-4809

GENERATOR

NO. **HW-734434**

Generator Manifest # _____ Location of Origin _____
 Generator Name X70 Lease/Well _____
 Address _____ Name & No. PLU CUX JV BS 013H
 _____ County _____
 _____ API No. _____
 City, State, Zip _____ Rig Name & No. _____
 Phone No. _____ AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS			
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Belly</u>			
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____				
Water Based Cuttings _____	Produced Water (Non-Injectable) _____				
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____				
Tank Bottoms _____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES			
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO _____	QUANTITY	TOP SOIL	CALICHE	
Gas Plant Waste _____					

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS _____ L - LIQUID 70 Y - YARDS _____ E - EACH _____

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Two Nations Driver's Name John Auld
 Address _____ Print Name _____
 Phone No. _____ Phone No. _____
 Transporter Ticket # _____ Truck No. L-07

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE 2-12-25

DRIVER'S SIGNATURE John Auld

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____
 Name (PRINT) Alexandra P Date 2/12/25 Title ADM Signature AP

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name: K... Phone No: 575 988 4447

GENERATOR

NO. HW-727484

Generator Manifest # K.O. Generator Name Address City, State, Zip Phone No.

Location of Origin Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, INTERNAL USE ONLY, OTHER EXEMPT E&P WASTE STREAMS, TOP SOIL & CALICHE SALES.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Address Phone No. Transporter Ticket # Driver's Name Print Name Phone No. Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/ Permit No. Address Phone No. Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table with columns for 1st Gauge, 2nd Gauge, Received, Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kristal Potez

Phone No. _____

GENERATOR

NO. **HW-735164**

Generator Manifest # _____ Location of Origin PLU CUX JU BS 06D

Generator Name XTO Name & No. _____

Address _____ County _____

City, State, Zip _____ API No. _____

Phone No. _____ Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Beatty Dump</u>
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO _____	QUANTITY _____ TOP SOIL _____ CALICHE _____
Gas Plant Waste _____		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS _____ L - LIQUID _____ Y - YARDS 80 E - EACH _____

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Halo Services Driver's Name Stephen K... ..

Address _____ Print Name _____

Phone No. _____ Phone No. _____

Transporter Ticket # _____ Truck No. T52

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7-17-25

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES _____ NO _____ If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____

PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO _____

TANK BOTTOMS

	Feet	Inches	BS&W/BLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED _____ DENIED _____ If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name Mat Ruiz

Phone No. _____

GENERATOR

NO. **HW-735163**

Generator Manifest # _____ Location of Origin BLU-CV-TV-B5-0118

Generator Name XTO Lease/Well Name & No. _____

Address _____ County _____

City, State, Zip _____ API No. _____

Phone No. _____ Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS			
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Shellyn Durg</u>			
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____				
Water Based Cuttings _____	Produced Water (Non-Injectable) _____				
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____				
Tank Bottoms _____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES			
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	TOP SOIL	CALICHE	
Gas Plant Waste _____					

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS _____ L - LIQUID _____ Y - YARDS 20 E - EACH _____

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name Halco Services Driver's Name Stephen Kissinger

Address _____ Print Name _____

Phone No. _____ Phone No. _____

Transporter Ticket # _____ Truck No. 152

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE 2/12/25 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Guage _____	Feet _____	Inches _____	BS&W/BBLs Received _____	BS&W (%) _____
2nd Guage _____			Free Water _____	
Received _____			Total Received _____	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? AP

NAME (PRINT) Alexandra P DATE 2/12/25 TITLE ADMM SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name _____

Phone No. _____

GENERATOR

NO. **HW-735162**

Generator Manifest # _____ Location of Origin LU-CUX

Generator Name XTO Lease/Well _____ Name & No. _____

Address _____ County _____

City, State, Zip _____ API No. _____

Phone No. _____ Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	_____
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO _____	QUANTITY _____ TOP SOIL _____ CALICHE _____
Gas Plant Waste _____		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name _____ Driver's Name Stephen K... [unclear]

Address _____ Print Name _____

Phone No. _____ Phone No. _____

Transporter Ticket # _____ Truck No. 752

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 88

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge _____	Feet _____	Inches _____	BS&W/BLS Received _____	BS&W (%) _____
2nd Gauge _____			Free Water _____	
Received _____			Total Received _____	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

Alejandra P 2/11/25 ADM AP

NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Bete

Phone No.

GENERATOR NO. **HW-735166**

Generator Manifest # _____ Location of Origin PLU-ZUX-JV-B5-DJH

Generator Name XTG Name & No. _____

Address _____ County _____

City, State, Zip _____ API No. _____

Phone No. _____ Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Belly Dump</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES	
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste _____			

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name Halob Services Driver's Name Stephen K. Slinger

Address _____ Print Name _____

Phone No. _____ Phone No. _____

Transporter Ticket # _____ Truck No. 152

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE 2-11-25 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP **DISPOSAL FACILITY** **RECEIVING AREA**

IN: _____ OUT: _____ Name/No. [Signature]

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge _____	Feet _____	Inches _____	BS&W/BBLs Received _____	BS&W (%) _____
2nd Gauge _____			Free Water _____	
Received _____			Total Received _____	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kear Betts

Phone No. _____

GENERATOR

NO. **HW-7039461**

Generator Manifest # _____
Generator Name XTO
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin PLACU JUB
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS			
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>BUZ DUM</u>			
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____				
Water Based Cuttings _____	Produced Water (Non-Injectable) _____				
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____				
Tank Bottoms _____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES			
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO <u>✓</u>	QUANTITY	TOP SOIL	CALICHE	
Gas Plant Waste _____					

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS _____ L - LIQUID _____ Y - YARDS 20 E - EACH _____

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Hals Services
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Stephen Krueger
Print Name _____
Phone No. _____
Truck No. 752

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE 2-11-25

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 88

Site Name/Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ✓ NO _____ If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____
PASS THE PAINT FILTER TEST? (Circle One) YES ✓ NO _____

TANK BOTTOMS

1st Gauge _____	Feet _____	Inches _____	BS&W/BLS Received _____	BS&W (%) _____
2nd Gauge _____			Free Water _____	
Received _____			Total Received _____	

I hereby certify that the above load material has been (circle one):

ACCEPTED ✓

DENIED _____

If denied, why? _____

Alexandra P
NAME (PRINT)

2/11/25
DATE

ADM
TITLE

AP
SIGNATURE



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

February 12, 2025

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 02/11/25 13:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 01 4' (H250816-01)

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	02/11/2025	ND	1.88	94.1	2.00	0.783	
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551	
Total BTEX	<0.300	0.300	02/11/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	02/12/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2025	ND	201	100	200	2.86	
DRO >C10-C28*	255	10.0	02/12/2025	ND	204	102	200	2.19	
EXT DRO >C28-C36	86.7	10.0	02/12/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 02 4' (H250816-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2025	ND	1.88	94.1	2.00	0.783		
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879		
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759		
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551		
Total BTEX	<0.300	0.300	02/11/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2110	16.0	02/12/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/12/2025	ND	201	100	200	2.86		
DRO >C10-C28*	26.3	10.0	02/12/2025	ND	204	102	200	2.19		
EXT DRO >C28-C36	<10.0	10.0	02/12/2025	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 03 4' (H250816-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.88	94.1	2.00	0.783	
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551	
Total BTEX	<0.300	0.300	02/11/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	02/12/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2025	ND	201	100	200	2.86	
DRO >C10-C28*	29.7	10.0	02/12/2025	ND	204	102	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	02/12/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 04 4' (H250816-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2025	ND	1.88	94.1	2.00	0.783		
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879		
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759		
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551		
Total BTEX	<0.300	0.300	02/11/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	02/12/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/12/2025	ND	201	100	200	2.86		
DRO >C10-C28*	<10.0	10.0	02/12/2025	ND	204	102	200	2.19		
EXT DRO >C28-C36	<10.0	10.0	02/12/2025	ND						

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 05 4' (H250816-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2025	ND	1.88	94.1	2.00	0.783		
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879		
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759		
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551		
Total BTEX	<0.300	0.300	02/11/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/12/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/12/2025	ND	201	100	200	2.86		
DRO >C10-C28*	<10.0	10.0	02/12/2025	ND	204	102	200	2.19		
EXT DRO >C28-C36	<10.0	10.0	02/12/2025	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 07 2' (H250816-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2025	ND	1.88	94.1	2.00	0.783		
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879		
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759		
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551		
Total BTEX	<0.300	0.300	02/11/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/12/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	204	102	200	6.00		
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	202	101	200	8.72		
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND						

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 08 1' (H250816-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2025	ND	1.88	94.1	2.00	0.783		
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879		
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759		
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551		
Total BTEX	<0.300	0.300	02/11/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	02/12/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	204	102	200	6.00		
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	202	101	200	8.72		
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND						

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 09 1' (H250816-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2025	ND	1.88	94.1	2.00	0.783		
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879		
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759		
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551		
Total BTEX	<0.300	0.300	02/11/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/12/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	204	102	200	6.00		
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	202	101	200	8.72		
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND						

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: SW 01 0-4' (H250816-09)

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	02/11/2025	ND	1.88	94.1	2.00	0.783	
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551	
Total BTEX	<0.300	0.300	02/11/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/12/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	202	101	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: SW 02 0-4' (H250816-10)

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	02/11/2025	ND	1.88	94.1	2.00	0.783	
Toluene*	<0.050	0.050	02/11/2025	ND	1.93	96.6	2.00	0.879	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.95	97.5	2.00	0.759	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.96	99.4	6.00	0.551	
Total BTEX	<0.300	0.300	02/11/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/12/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	202	101	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: SW 03 0-1' (H250816-11)

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	02/12/2025	ND	1.88	94.1	2.00	0.783	
Toluene*	<0.050	0.050	02/12/2025	ND	1.93	96.6	2.00	0.879	
Ethylbenzene*	<0.050	0.050	02/12/2025	ND	1.95	97.5	2.00	0.759	
Total Xylenes*	<0.150	0.150	02/12/2025	ND	5.96	99.4	6.00	0.551	
Total BTEX	<0.300	0.300	02/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/12/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	202	101	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/11/2025	Sampling Date:	02/10/2025
Reported:	02/12/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: SW 04 0-1' (H250816-12)

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	02/12/2025	ND	1.88	94.1	2.00	0.783	
Toluene*	<0.050	0.050	02/12/2025	ND	1.93	96.6	2.00	0.879	
Ethylbenzene*	<0.050	0.050	02/12/2025	ND	1.95	97.5	2.00	0.759	
Total Xylenes*	<0.150	0.150	02/12/2025	ND	5.96	99.4	6.00	0.551	
Total BTEX	<0.300	0.300	02/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/12/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	202	101	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Ben Bellill
 Address: 3122 National Parks Hwy
 City: Carlsbad
 Phone #: 989-854-0852 State: NM Zip: 88220
 Project #: 03C1558572 Fax #:
 Project Name: PLU CVX JV BS 013H Project Owner: XTO
 Project Location: 32.18173, -103.83361
 Sampler Name: Jesse Dorman

BILL TO
 P.O. #:
 Company: XTO Energy Inc.
 Attn: Colton Brown
 Address: 3104 E. Green St.
 City: Carlsbad
 State: NM Zip: 88220
 Phone #:
 Fax #:

FOR LAB USE ONLY
 Lab I.D. HS0814
 Sample I.D. F501
 Sample Depth (feet) 4'
 (G)RAB OR (C)OMP.
 # CONTAINERS 1
 MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:
 PRESERV: ACID/BASE: ICE / COOL OTHER:
 DATE 2/10/05 TIME 12:05
 SAMPLING: BTEX, TPH, CHLORIDE

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	DATE	TIME	BTEX	TPH	CHLORIDE
<u>HS0814</u>	<u>F501</u>	<u>4'</u>	<input checked="" type="checkbox"/>	<u>1</u>		<input checked="" type="checkbox"/>	<u>2/10/05</u>	<u>12:05</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>F502</u>										
	<u>F503</u>										
	<u>F504</u>										
	<u>F505</u>										
	<u>F507</u>										
	<u>F508</u>										
	<u>F509</u>										
	<u>SW01</u>	<u>0-4'</u>									
	<u>SW02</u>										

Relinquished By: _____
 Date: 2/11/05
 Time: 13:05
 Received By: [Signature]
 Date: _____
 Time: _____
 Delivered By: (Circle One)
 Driver - UPS - Bus - Other: _____
 Observed Temp. °C: -0.3
 Corrected Temp. °C: 0.0
 Sample Condition: Cool Intact Yes No
 CHECKED BY: [Signature]
 Turnaround Time: 440 Standard Rush
 Thermometer ID: 444
 Corrected Factor: 0.05
 Bacteria (only) Sample Condition: Yes No
 Cool Intact Observed Temp. °C: _____
 Corrected Temp. °C: _____
 Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: Tbillard@ensolum.com
 REMARKS: Cost Center: 1081011001 Incident ID: NAPP2428842762
 kthomason@ensolum.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager: Ben Bellill

Address: 3122 National Parks Hwy

City: Carlsbad

Phone #: 989-854-0852

Project #: 03C1558572

Project Name: PLU CVX JV BS 013H

Project Location: 32.18173, -103.83361

Sampler Name: Jesse Dorman

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: XTO Energy Inc.

Attn: Colton Brown

Address: 3104 E. Green St.

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
AS0816	SW03	0-1'	↓	1								6/1/26	1415			
	SW04	↓	↓	1												

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Relinquished By:

Date: 6-11-26

Received By:

DATE

TIME

BTEX

TPH

CHLORIDE

Relinquished By:

Date: 1305

Received By:

DATE

TIME

BTEX

TPH

CHLORIDE

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Thermometer ID

Corrected Factor

Bacteria (only)

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Verbal Result: Yes No Add'l Phone #:
All Results are emailed. Please provide Email address: Thillard@ensolum.com
Bbellill@ensolum.com TMorrissey@ensolum.com, kthomason@ensolum.com
REMARKS: Cost Center: 1081011001 Incident ID: NAPP2428842762

FORM 006 R 3.2 10/07/21

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

February 27, 2025

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 02/25/25 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/25/2025	Sampling Date:	02/24/2025
Reported:	02/27/2025	Sampling Type:	Soil
Project Name:	PLU CVX JV BS 013H	Sampling Condition:	Cool & Intact
Project Number:	03C1558572	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.18173-103.83361		

Sample ID: FS 06 A 3' (H251110-01)

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	02/26/2025	ND	1.97	98.6	2.00	1.29	
Toluene*	<0.050	0.050	02/26/2025	ND	2.00	99.9	2.00	1.02	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.90	94.8	2.00	0.927	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.61	93.5	6.00	0.947	
Total BTEX	<0.300	0.300	02/26/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/25/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2025	ND	209	105	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/27/2025	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/27/2025	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Ben Bellill
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 989-854-0852 Fax #:
 Project #: 03C1558572 Project Owner: XTO
 Project Name: PLU CVX JV BS 013H
 Project Location: 32.18173, -103.83361
 Sampler Name: Jesse Dorman
 P.O. #:
 Company: XTO Energy Inc.
 Attn: Colton Brown
 Address: 3104 E. Green St.
 City: Carlsbad
 State: NM Zip: 88220
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HAS111D	F506A	3'	CL	1											

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Relinquished By: *[Signature]*
 Date: *6/1/2026*
 Received By: *[Signature]*
 Date: *6/1/2026*
 Time: *1400*
 Cost Center: 1081011001
 Incident ID: NAPP2428842762

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: *33* Sample Condition: Intact Cool Yes No Yes No
 Corrected Temp. °C: *36* CHECKED BY: *[Signature]*
 Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C
 Thermometer ID: *443-#140181*
 Correction Factor: *0.2/575*

FORM-006 R 3.2 10/07/21

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



APPENDIX D

January 2, 2025 Remediation *Work Plan*



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 range 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 hand auger 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



Tacoma Morrissey, MS
Associate Principal

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

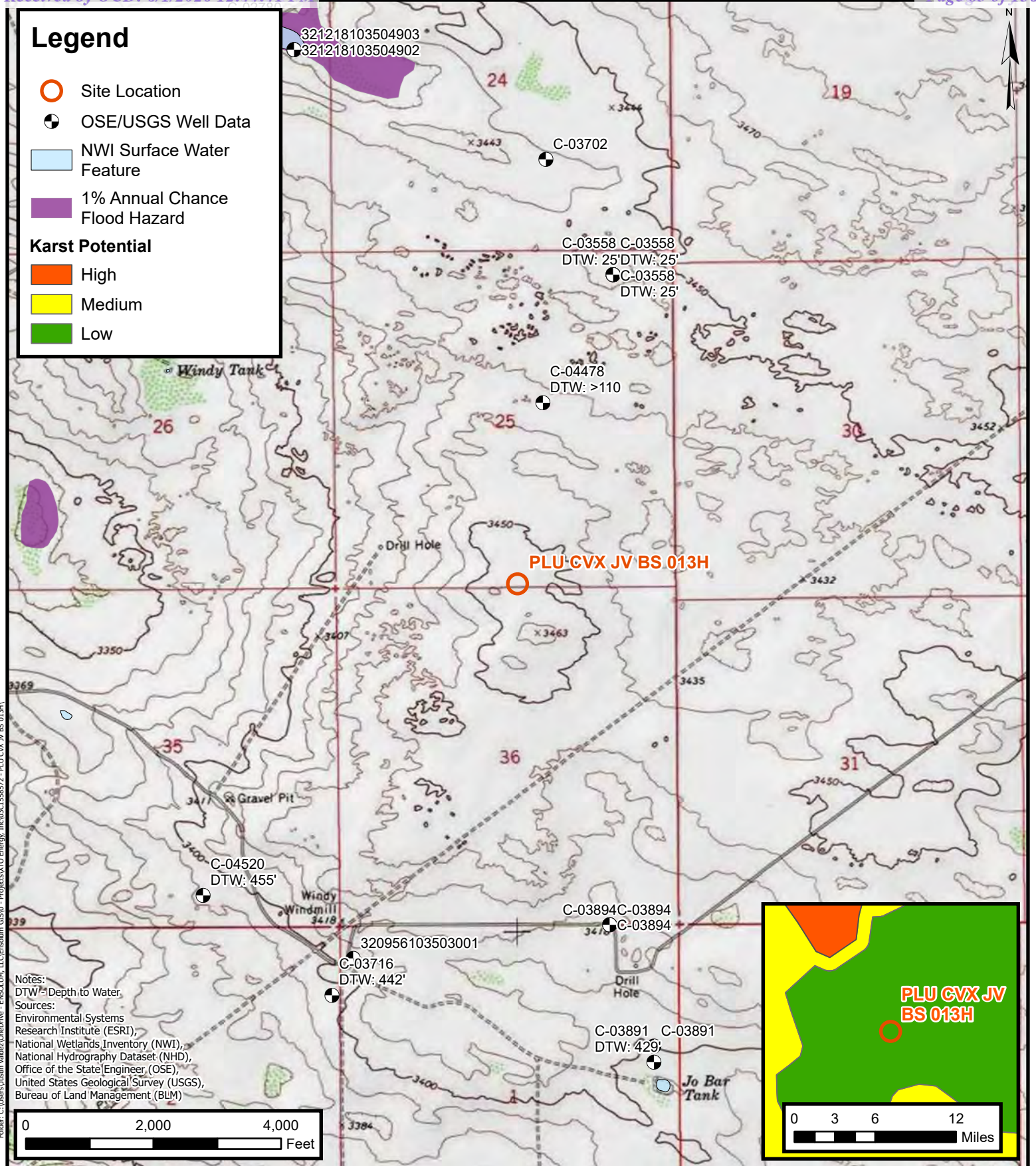
cc: Colton Brown, XTO
Kaylan Dirkx, XTO
BLM

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



FIGURES



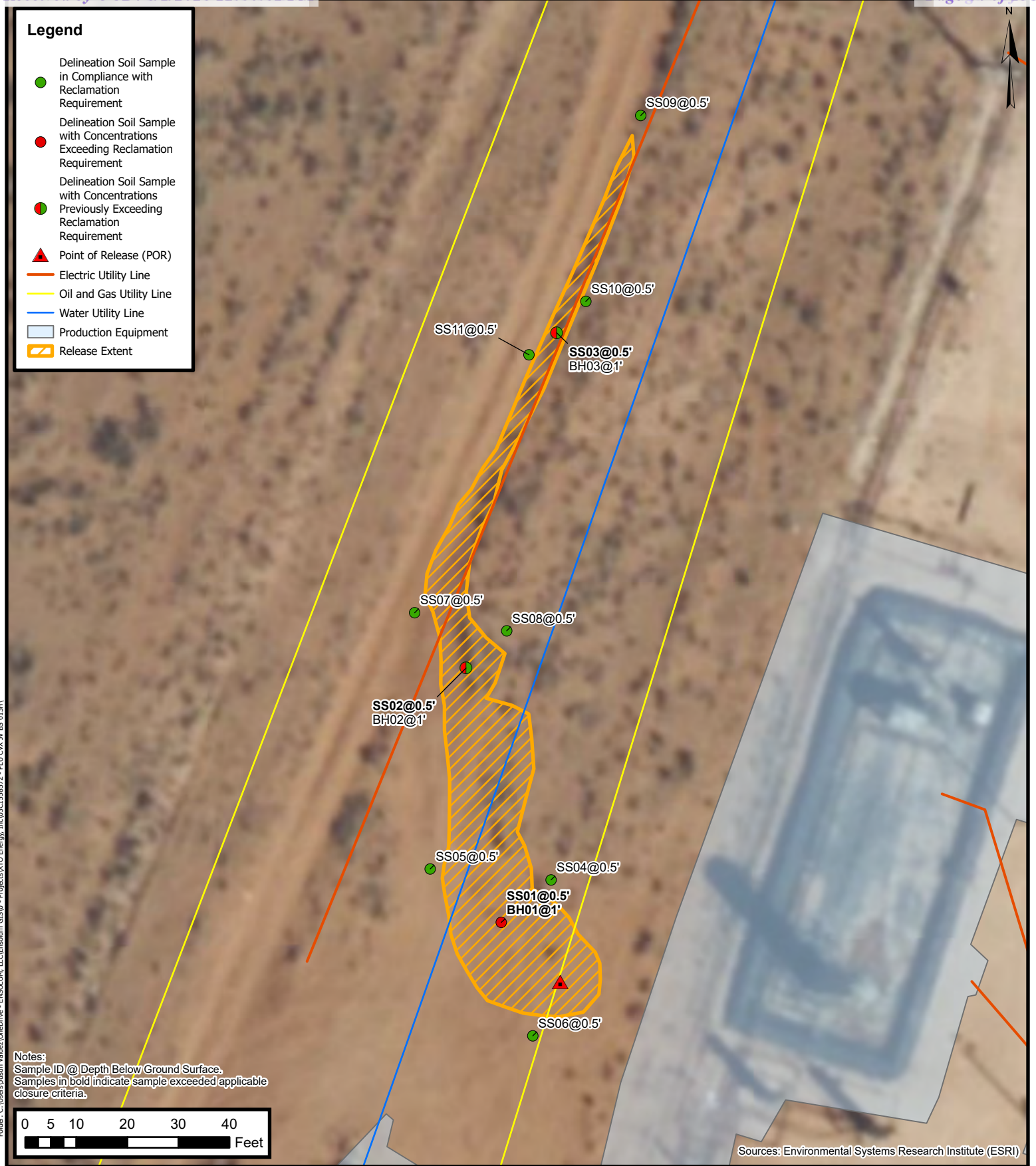
Folder: C:\Users\Justin.Velazquez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\036159872 - PLU CVX JV BS 013H\1



Site Receptor Map

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

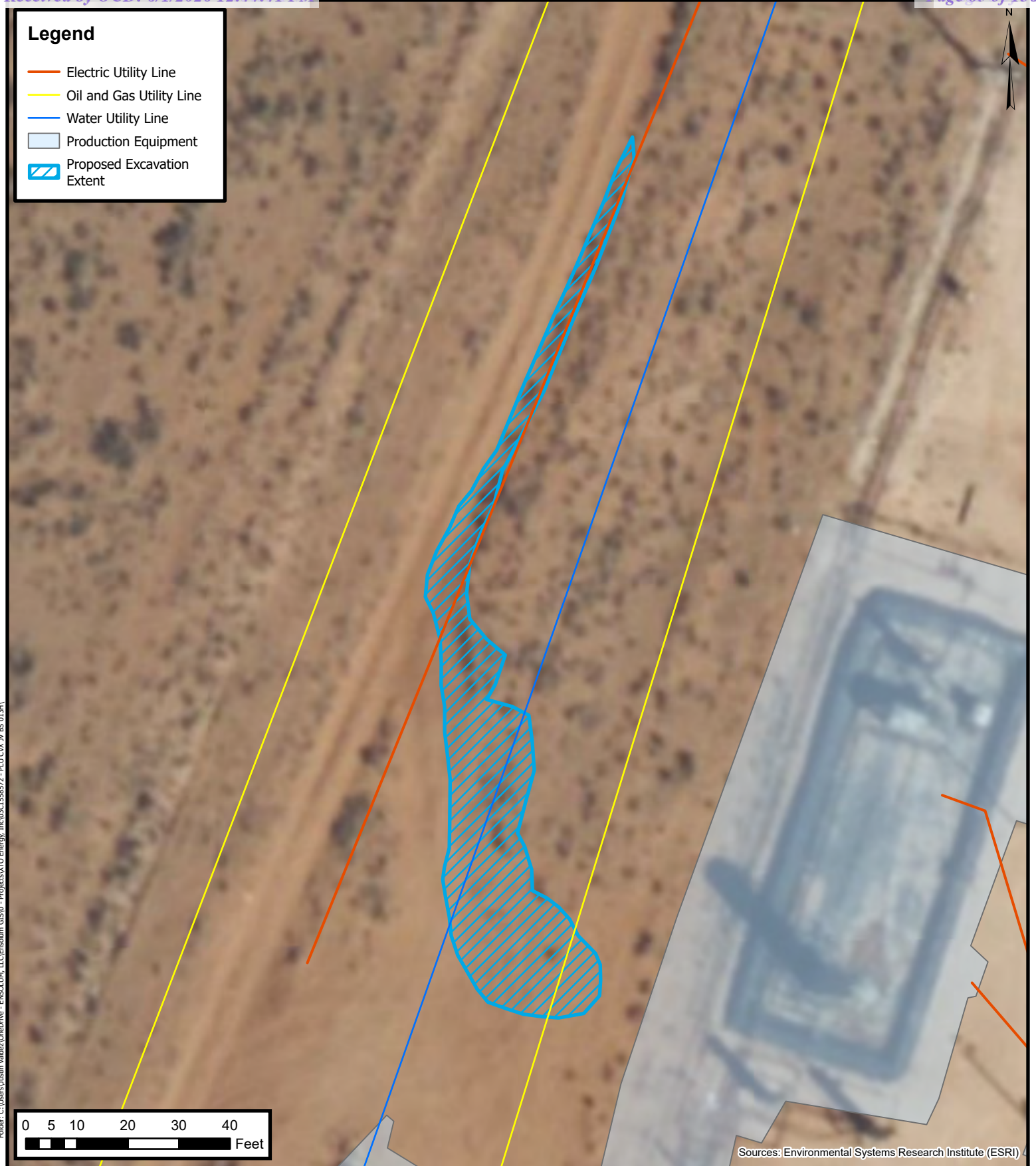
FIGURE
1



Delineation Soil Sample Locations

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

FIGURE
2



Legend

- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- Production Equipment
- Proposed Excavation Extent

0 5 10 20 30 40
 Feet

Sources: Environmental Systems Research Institute (ESRI)

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

FIGURE

3





TABLES



**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 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

2020 OCT 29 PM 1:03
 STATE ENGINEER'S OFFICE
 1000 W. UNIVERSITY AVENUE
 ALBUQUERQUE, NM 87102

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4478	
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE ZIP TX 79707
	WELL LOCATION (FROM GPS)	DEGREES 32°	MINUTES 11'	SECONDS 22.57"	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LATITUDE		N	* DATUM REQUIRED: WGS 84	
	LONGITUDE	-103°	49'	56.14"	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SE NE Sec. 25 T24S R30E						

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 10/07/2020	DRILLING ENDED 10/07/2020	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	±8.5	Boring- HSA	--	--	--	--

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

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO. 0-4478	POD NO. 1	TRN NO. 678382			
LOCATION 24S-30E-25 23-3	WELL TAG ID NO. NA	PAGE 1 OF 2			






2020-10-26_C-4478POD1_OSE_Well Record and Log-89-forsign

Final Audit Report

2020-10-27

Created:	2020-10-27
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAESGKFRG9AU3NcytvOCSRntC1Y-zTs43Y

"2020-10-26_C-4478POD1_OSE_Well Record and Log-89-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2020-10-27 - 3:14:03 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2020-10-27 - 3:14:17 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2020-10-27 - 3:21:12 PM GMT- IP address: 74.50.153.115
-  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

2020 OCT 29 PM 1:08
 OFFICE OF THE ATTORNEY GENERAL
 STATE OF MISSISSIPPI



APPENDIX B

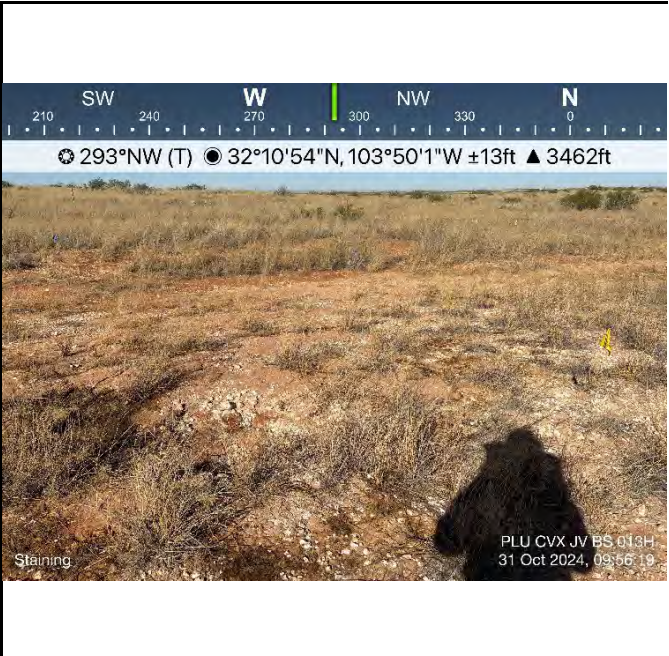
Photographic Log



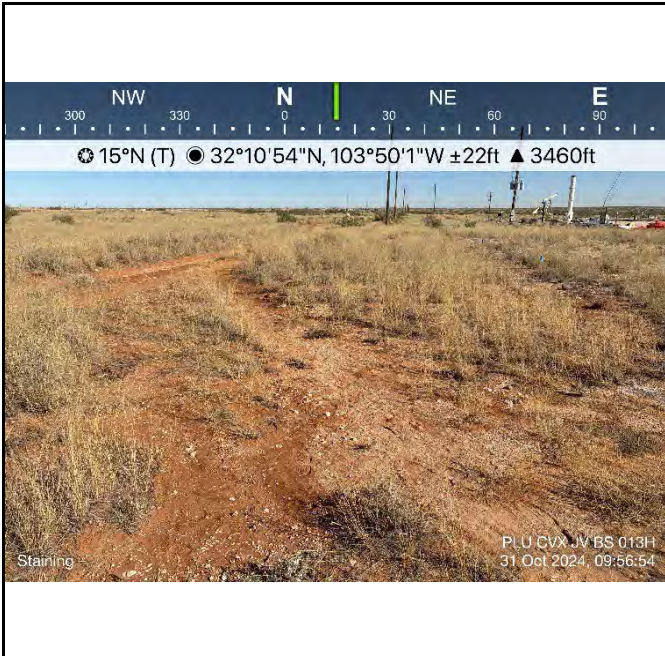
Photographic Log
 XTO Energy, Inc
 PLU CVX JV BS 013H
 Incident Number: nAPP2428842762



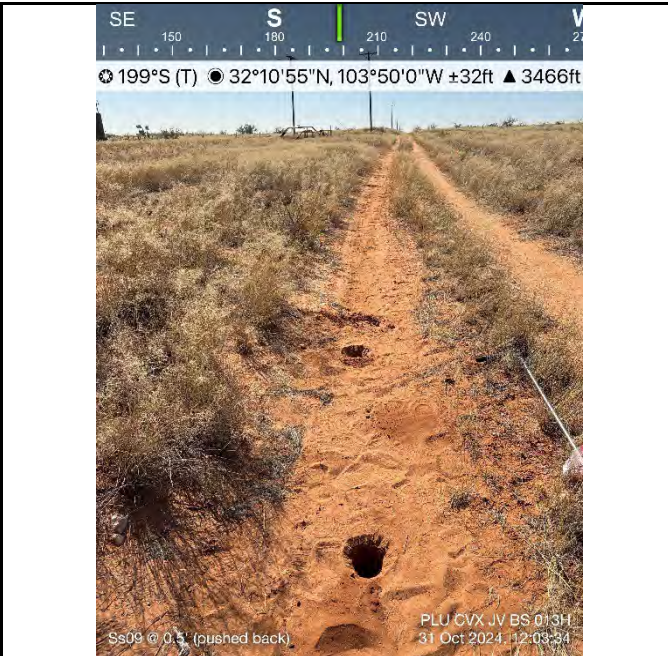
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 Description: Site assessment on ROW.
 View: North



Photograph 2 Date: 10/31/2024
 Description: Site assessment on ROW.
 View: West



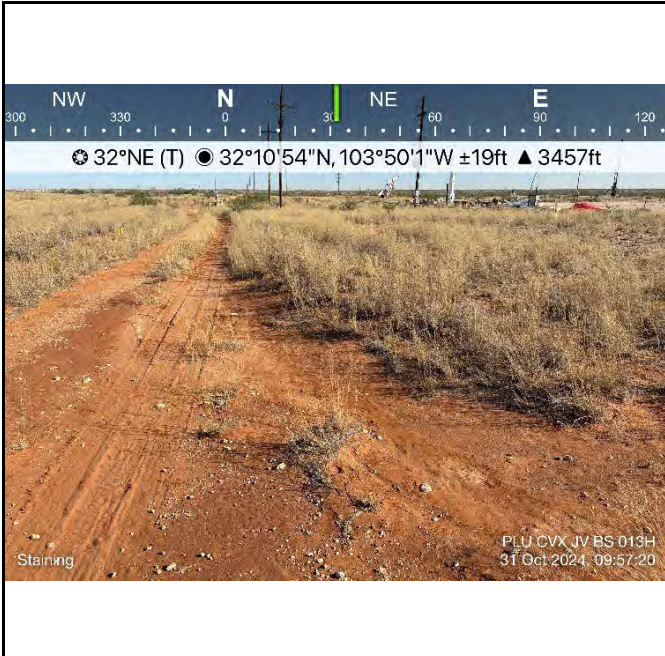
Photograph 3 Date: 10/31/2024
 Description: Site assessment on ROW.
 View: North



Photograph 4 Date: 10/31/2024
 Description: Site assessment on ROW.
 View: South



Photographic Log
XTO Energy, Inc
PLU CVX JV BS 013H
Incident Number: nAPP2428842762



Photograph 5 Date: 10/31/2024
Description: Site assessment on ROW.
View: Northeast

Photograph 6 Date: 11/27/2024
Description: Vertical delineations on ROW.
View: South




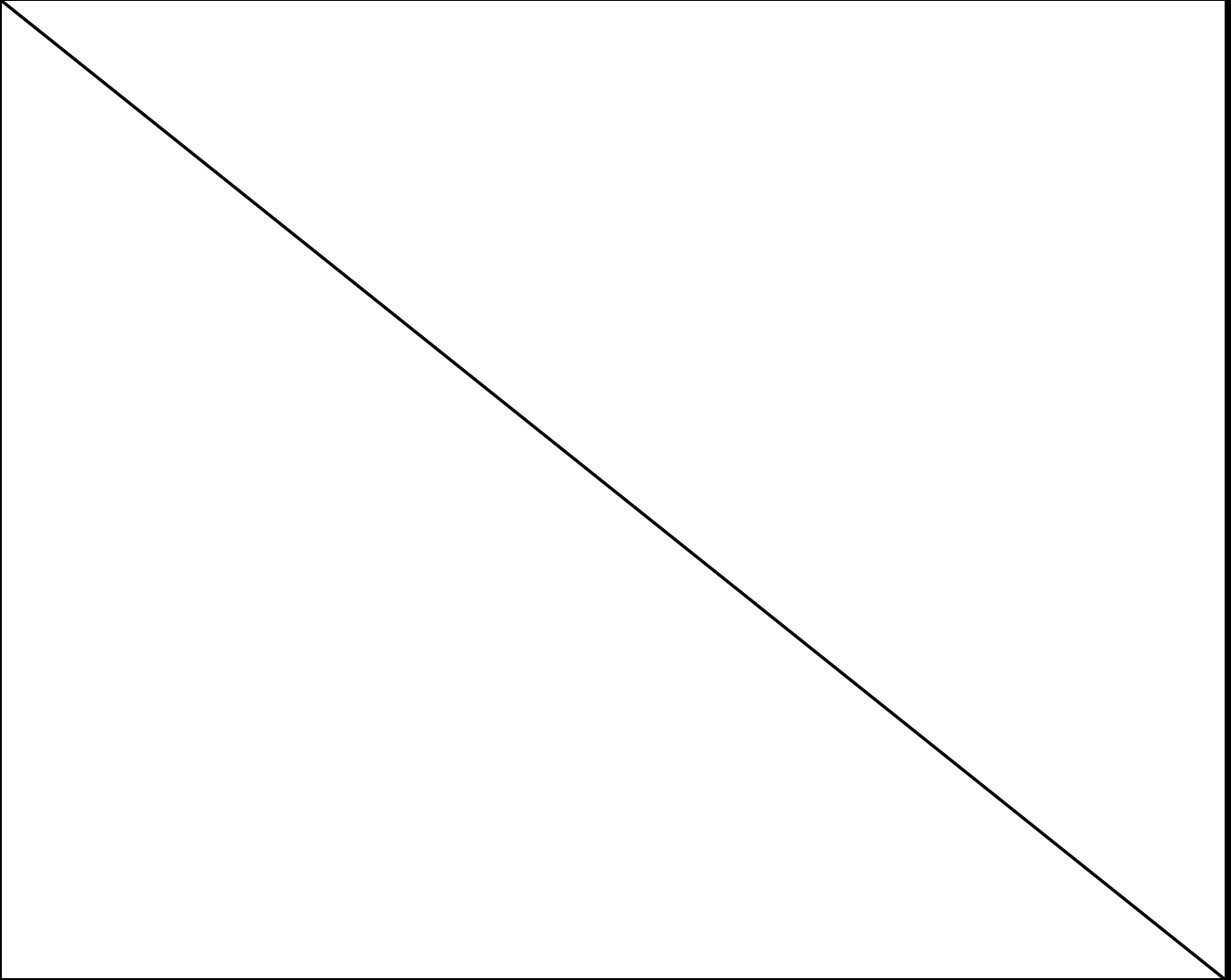
Photograph 7 Date: 11/27/2024
Description: Vertical delineations on ROW.
View: South


Photograph 8 Date: 11/27/2024
Description: Vertical delineations on ROW.
View: South




APPENDIX C

Lithologic Soil Sampling Logs

					Sample Name: BH01 (SS01)		Date: 11/27/24						
					Site Name: PLU CVX JV BS 013H				Incident Number: nAPP2428842762		Job Number: 03C1558572		
					LITHOLOGIC / SOIL SAMPLING LOG					Logged By: MS		Method: Hand Auger	
					Coordinates: 32.181725, -103.83361					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
D	2,654	0.2	N	BH01	1	0 1	SP	(0-1') SAND, brownish, with caliche, non cohesive, non plastic.					
Refusal @ 1 foot bgs													
													

					Sample Name: BH02 (SS02)		Date: 11/27/24					
					Site Name: PLU CVX JV BS 013H				Incident Number: nAPP2428842762			
					Job Number: 03C1558572				Logged By: MS		Method: Hand Auger	
					Coordinates: 32.181862, -103.833681				Hole Diameter: 3"		Total Depth: 2'	
LITHOLOGIC / SOIL SAMPLING LOG												
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
					0		SP					
D	<162	0.2	N	BH02	1	1						
D	162	0.0	N			2		(0-2') SAND, brownish red, non plastic, non cohesive.				
Total Depth: 2 foot bgs												
<div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div>												

					Sample Name: BH03 (SS03)		Date: 11/27/24	
					Site Name: PLU CVX JV BS 013H			
					Incident Number: nAPP2428842762			
					Job Number: 03C1558572			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: MS		Method: Hand Auger	
Coordinates: 32.182041, -103.833624					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	SP	
D	<162	0.1	N	BH03	1	1		
D	<162	0.2	N			2		(0-2') SAND, brownish, with caliche, non plastic, non cohesive.
Total Depth: 2 feet bgs								
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APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 04 (H246679-01)

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	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		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 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 05 (H246679-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	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 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 06 (H246679-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 07 (H246679-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	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 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 08 (H246679-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 09 (H246679-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 10 (H246679-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 11 (H246679-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 01 (H246680-01)

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	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 % 71.5-134

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 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 02 (H246680-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 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
Project Location:	XTO 32.18173-103.83361		

Sample ID: SS 03 (H246680-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

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
Project Location:	XTO 32.18173-103.83361		

Sample ID: BH01 1' (H247299-01)

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	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 % 71.5-134

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 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 12/02/2024
 Reported: 12/04/2024
 Project Name: PLU CVX JV BS 013H
 Project Number: 03C1558572
 Project Location: XTO 32.18173-103.83361

Sampling Date: 11/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH02 1' (H247299-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

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 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

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
Project Location:	XTO 32.18173-103.83361		

Sample ID: BH03 1' (H247299-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST									
Project Manager: Ben Bell		P.O. #:											
Address: 3122 National Parks Hwy		Company: XTO Energy											
City: Carlsbad State: NM Zip: 88220		Attn: Colton Brown											
Phone #: 989-854-0852 Fax #:		Address: 3104 E. Greens											
Project #: 03C1558572 Project Owner:		City: Carlsbad											
Project Name: PLUCVX JV85013H		State: NM Zip: 88220											
Project Location: 32.18173, -103.83361		Phone #: 575-988-2340											
Sampler Name: Mario SARKIS		Fax #:											

FOR LAB USE ONLY			GIRAB OR (COMP. # CONTAINERS)	MATRIX					PRESERV.		SAMPLING		DATE	TIME	BTEX	TPH	Chlorides
Lab I.D.	Sample I.D.	Depth (feet)		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
H247299										<input checked="" type="checkbox"/>							
1	BH01	1	G1			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			11/27/24	1018	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	BH02	1	G1			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				1023	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	BH02 MS	2	G1			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				1025			
3	BH03	1	G1			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				1028	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	BH03 MS	2	G1			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				1030			

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Relinquished By:	Date: 12-2-24 Time: 1130	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.5 Corrected Temp. °C 1.9	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	REMARKS: incident: NAPP2428842762 Cost Center: 1081011001
		CHECKED BY: (Initials) JS	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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

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

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

Action 416443

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 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	
<i>Please answer all the questions in this group.</i>	
Site Name	PLU CVX JV BS 013H
Date Release Discovered	10/11/2024
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	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.

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

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 2

Action 416443

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 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	<i>Unavailable.</i>

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/02/2025
--	--

Sante Fe Main Office
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 3

Action 416443

QUESTIONS (continued)

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

QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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 that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	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

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	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 area (in square feet) that will be remediated	1750
What is the estimated volume (in cubic yards) that will be remediated	130

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 416443

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 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 appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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 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: 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.

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QUESTIONS, Page 5

Action 416443

QUESTIONS (continued)

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

QUESTIONS

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

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QUESTIONS, Page 6

Action 416443

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 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
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State of New Mexico
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CONDITIONS

Action 416443

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
nvez	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

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QUESTIONS

Action 590416

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428842762
Incident Name	NAPP2428842762 PLU CVX JV BS 013H @ 30-015-39018
Incident Type	Release Other
Incident Status	Reclamation Report Received
Incident Well	[30-015-39018] POKER LAKE UNIT CVX JV BS #005H
Incident Facility	[fAPP2123047138] BIG SINKS 25 1

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	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 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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QUESTIONS, Page 2

Action 590416

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEEnvNotifications@exxonmobil.com Date: 06/01/2026
--	--

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QUESTIONS, Page 3

Action 590416

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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 that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	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

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	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 area (in square feet) that will be remediated	1750
What is the estimated volume (in cubic yards) that will be remediated	130

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 590416

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
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: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 06/01/2026
--	---

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

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QUESTIONS, Page 5

Action 590416

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS, Page 6

Action 590416

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	435875
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/05/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1790
What was the total volume (cubic yards) remediated	240
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1790
What was the total volume (in cubic yards) reclaimed	240
Summarize any additional remediation activities not included by answers (above)	"Excavation activities were conducted at the Site as indicated in the Work Plan to address the October 11, 2024 release of crude oil and produced water. The approved Work Plan report is provided in Appendix D. Laboratory analytical results for the final excavation soil samples collected indicate all COC concentrations were compliant with the Closure Criteria and reclamation requirement, where applicable. Based on the soil sample laboratory analytical results, no further remediation is required. The excavated area will be backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions. The area will be reseeded with an approved BLM seed mixture and monitored for vegetation regrowth. Excavation of soil has mitigated impacts to soil exceeding the Closure Criteria and reclamation requirement at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2428842762."

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 06/01/2026
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Sante Fe Main Office
Phone: (505) 476-3441

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 7

Action 590416

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1790
What was the total volume of replacement material (in cubic yards) for this site	240
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of 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. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	06/30/2026
Summarize any additional reclamation activities not included by answers (above)	Following backfill activities, the disturbed area was contoured to match the surrounding topography and the surface was prepared for seeding. Upon confirmation that the excavation was backfilled with non-waste containing material, the disturbed pasture area will be seeded with a certified weed-free seed mix. The BLM Seed Mix #2 will be used to seed the Site. The seed mix will be applied via drill seeding. The Site will be monitored for vegetation growth to ensure that reclamation activities were successful.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 06/01/2026

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QUESTIONS, Page 8

Action 590416

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 590416

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 590416
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Reclamation approved. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	6/8/2026