



February 3, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
Poker Lake CVX JV BS 015H
Incident Number nAPP2415233132
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Closure Request* to document excavation and soil sampling activities performed at the Poker Lake CVX JV BS 015H (Site). The purpose of the excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan (Work Plan)*, was to address impacted soil 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 nAPP2415233132.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 23, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.20955°, -103.84871°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 15, 2024, corrosion on a production flow line resulted in the release of 2 barrels (bbls) of crude oil and 6 bbls of produced water onto the surface of the adjacent lease road and pasture. No fluids were able to be recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) and an Initial C-141 Application (C-141) on May 31, 2024. The release was assigned Incident Number nAPP2415233132.

Ensolum conducted Site assessment and delineation activities and presented the results in a *Work Plan*. The *Work Plan* was submitted on August 8, 2024, and approved by the NMOCD on August 9, 2024. The *Work Plan* proposed excavation of impacted soil identified during delineation soil sampling activities. An estimated 300 cubic yards of total petroleum hydrocarbon (TPH) and chloride impacted soil was to be excavated until confirmation floor and sidewall soil samples confirmed impacts to soil were removed. Following removal of soil, the excavation would be backfilled and recontoured to match pre-existing Site conditions and the pasture area be reseeded with an approved BLM seed mix.

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)

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of 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 AND SOIL SAMPLING ACTIVITIES

On November 19, 2024, Ensolum personnel were onsite to oversee excavation of impacted soil identified from delineation activities, and according to the approved *Work Plan*. Excavation activities were performed by the 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 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 FS30 were collected from the floor of the excavation at depths ranging from 1-foot below ground surface (bgs) to 3 feet bgs. Confirmation soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 3 feet bgs. Delineation soil samples removed during excavation activities are presented on Figure 1. The confirmation soil sample locations were mapped utilizing a handheld global positioning system (GPS) unit and are depicted on Figure 2. Photographic documentation of the excavation activities and final excavation extent is provided in Appendix A.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-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 5,340 square feet. A total of approximately 200 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and disposed of at R360 Landfill in Hobbs, New Mexico. Copies of the soil disposal manifests are included in Appendix B. The final excavation was backfilled on November 20, 2024, with material purchased locally and recontoured to match pre-existing Site conditions. One representative 5-point composite sample (BF01) was collected from the topsoil backfill material. The backfill soil sample was collected and handled as described above and submitted to Cardinal for the same COCs listed above.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all excavation and sidewall confirmation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements. Laboratory analytical results for backfill soil sample BF01 indicated COC concentrations were below reclamation

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requirements. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included in Appendix C.

RECLAMATION PLAN

The Site will be seeded with BLM seed mix #2 for sandy sites, specifically in those areas off the lease road and in the pasture, at the rate specified in pounds of pure live seed (PLS) per acre during the next BLM recommended planting season.

Species/Cultivar	PLS/Acre
Sand lovegrass (<i>Eragrostis trichodes</i>)	1.0
Sands dropseed (<i>Sporobolus cryptandrus</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 raked in by chaining or dragging the Site. Reclamation activities will be documented with photographs and included in a *Re-Vegetation Report*.

CLOSURE REQUEST

Excavation activities were conducted at the Site in accordance with the *Work Plan* to address the May 2024 crude oil and produced water release. The *Work Plan*, dated August 8, 2024, is included in Appendix D. Laboratory analytical results for all final excavation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation was backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions.

Excavation of soil has removed impacted soil from the area. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2415233132.

A *Re-vegetation 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).

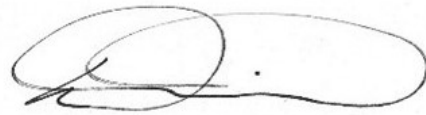
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If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC



Tracy Hillard
Project Engineer



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

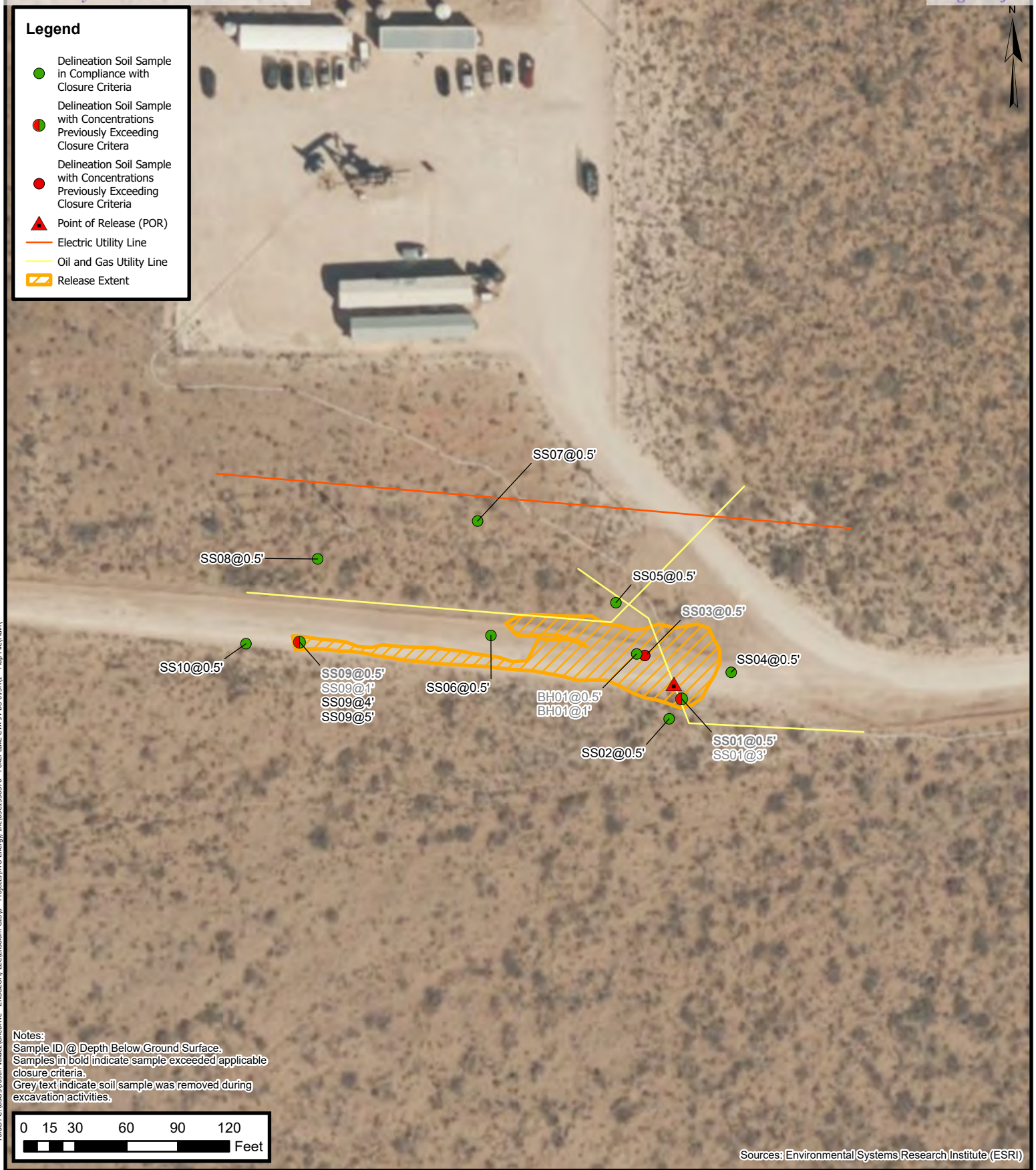
cc: Colton Brown, XTO
Kaylan Dirkx, XTO
BLM

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	Soil Disposal Manifests
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	<i>Remediation Work Plan</i> , dated August 8, 2024



FIGURES



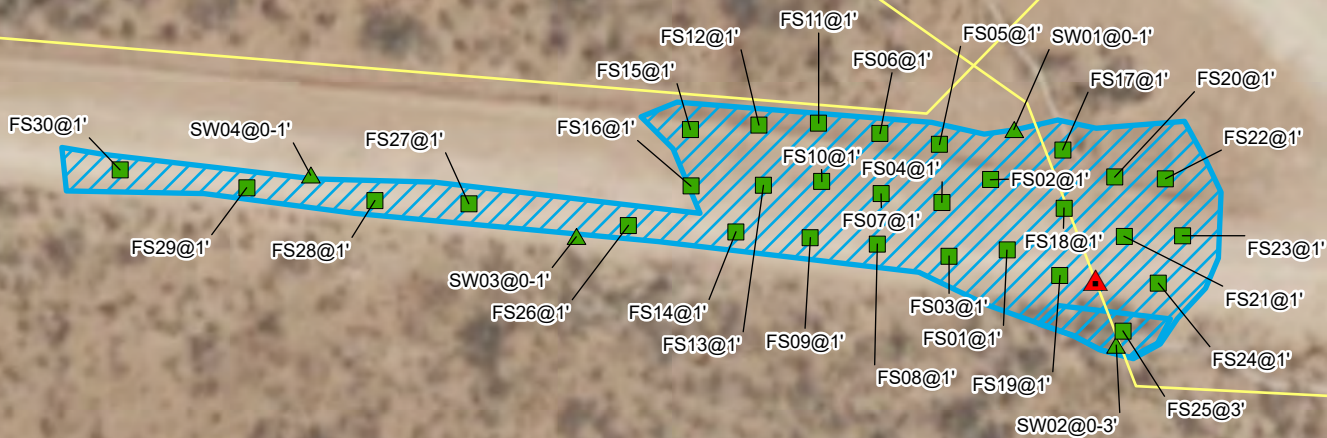
Delineation Soil Sample Locations

XTO Energy, Inc
Poker Lake CVX JV BS 015H
Incident Number: nAPP2415233132
Unit B, Section 23, Township 24 South, Range 30 East
Eddy County, New Mexico

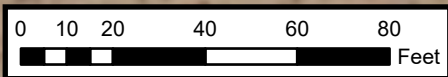
FIGURE
1

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Point of Release (POR)
- Electric Utility Line
- Oil and Gas Utility Line
- Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

XTO Energy, Inc
Poker Lake CVX JV BS 015H
Incident Number: nAPP2415233132
Unit B, Section 23, Township 24 South, Range 30 East
Eddy County, New Mexico

FIGURE
2



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Poker Lake CVX JV BS 015H
 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	06/10/2024	0.5	<0.050	<0.300	10.1	689	151	699	850	5,200
SS01	06/26/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS02	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS03	06/10/2024	0.5	<0.050	<0.300	<10.0	42.9	<10.0	43.0	43.0	1,390
SS04	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS05	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS06	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS07	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS08	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS09	06/10/2024	0.5	<0.050	<0.300	100	854	134	1,088	1,088	112
SS09	06/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS09	06/26/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS09	06/26/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS10	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
BH01	06/26/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH01	06/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
Confirmation Soil Samples										
FS01	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS02	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS03	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS04	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS05	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS06	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS07	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS08	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS09	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS10	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS11	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS12	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS13	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS14	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS15	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS16	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS17	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS18	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS19	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS20	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0



TABLE 1
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 Poker Lake CVX JV BS 015H
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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
FS21	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS22	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS23	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS24	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS25	11/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS26	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS27	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS28	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS29	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS30	11/19/2024	1	<0.050	<0.300	<10.0	28.2	<10.0	28.2	28.2	480
SW01	11/19/2024	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW02	11/19/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW03	11/19/2024	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW04	11/19/2024	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
Backfill Confirmation Soil Sample										
BF01	11/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0

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
Poker Lake CVX JV BS 015H
nAPP2415233132



Photograph: 1 Date: 11/19/2024
Description: Excavation activities
View: Southeast



Photograph: 2 Date: 11/19/2024
Description: Excavation activities
View: Southwest



Photograph: 3 Date: 11/20/2024
Description: Backfilled excavation
View: Southeast



Photograph: 4 Date: 11/20/2024
Description: Backfilled excavation
View: Southwest



Appendix B

Disposal Manifests



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name KENT DUTZPhone No. 505 9884189

GENERATOR

NO. HW- 708691

Generator Manifest # _____

Location of Origin _____

Generator Name X70

Lease/Well _____

Address _____

Name & No. PLU CUY JV PS DISH

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>BELLU 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 _____

Driver's Name Jesus Fomila

Address _____

Print Name _____

Phone No. _____

Phone No. _____

Transporter Ticket # _____

Truck No. 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 _____

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

1st Gauge

Feet

Inches

2nd Gauge

Received

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 11-19-21

TITLE _____

SIGNATURE _____

C-138

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Kent E. T.

Phone No. 535 968 4489

GENERATOR		NO. AD-0 017675
Generator Manifest #:		Location of Origin
Generator Name	X710	Lease/Well
Address		Name & No.
City, State, Zip		County
Phone No.		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) _____				Belly dump			
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:		<input type="checkbox"/> DRILLING	<input type="checkbox"/> COMPLETION	<input type="checkbox"/> PRODUCTION	<input type="checkbox"/> GATHERING LINES				

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below the 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
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I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations 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 NAME		DATE	SIGNATURE
TWO NATIAMS		TRANSPORTER	
Transporter's Name	3318 VIOLET #1	Driver's Name	JESUS FERRER
Address		Print Name	
Phone No.		Phone No.	
Transporter Ticket #		Truck No.	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	DRIVER'S SIGNATURE
TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA	
IN: _____ OUT: _____		Name/No. _____	
Site Name/ Permit No. Antelope Draw Facility - Permit #		Phone No. 575-236-1734	
Address 476 Battle Axe Rd. , Jal, NM 88252			
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		
1st Gauge			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)

DATE _____

TITLE

SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name

Phone No.

GENERATOR

NO. AD-0 017674

Generator Manifest #:

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)

Oil Based Muds	_____	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Cuttings	_____		Completion Fluid/Flow back (Non-Injectable)	_____			
Water Based Muds	_____		Produced Water (Non-Injectable)	_____			
Water Based Cuttings	_____		Gathering Line Water/Waste (Non-Injectable)	_____			
Produced Formation Solids	_____		INTERNAL USE ONLY				
Tank Bottoms	_____			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 the 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 according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations 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 NAME

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

Antelope Draw Facility - Permit #

Phone No.

575-236-1734

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

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 KentPhone No. 505 988 4411

GENERATOR

NO. HW-684303

Generator Manifest # _____

Generator Name X10 1400

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)

Oil Based Muds _____

Oil Based Cuttings _____

Waste Based Muds _____

Water Based Cuttings _____

Produced Formation Solids _____

Tank Bottoms _____

E&P Contaminated Soil _____

Gas Plant Waste _____

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) _____

Completion Fluid/Flow Back (Non-Injectable) _____

Produced Water (Non-Injectable) _____

Gathering Line Water/Waste (Non-Injectable) _____

INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

OTHER EXEMPT E&P WASTE STREAMS

13 cu yd

TOP SOIL & CALICHE SALES

QUANTITY

TOP SOIL

CALICHE

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

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. 28Site 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

Feet

Inches

1st Gauge

2nd Gauge

Received

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 Liberty EscobarPhone No. 575-392-6368

GENERATOR

NO. HW-684301

Generator Manifest # _____

Location of Origin
Lease/WellGenerator Name XLC 2400

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>Bury</u>
Waste 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 20 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 LLCDriver's Name Liberty EscobarAddress 2318 VICTORIA ST

Print Name _____

Phone No. 575 106 2438

Phone No. _____

Transporter Ticket # _____

Truck No. 004

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. 28Site Name/
Permit No.Halfway Facility / NM1-006

Phone No.

575-392-6368Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220NORM READINGS TAKEN? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received	BS&W (%)
Free Water	
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 henl rcl2Phone No. 515-982-4480

GENERATOR

NO. HW-684299

Generator Manifest # _____
Generator Name X10 400
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin DO CVZ N 850111
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)	_____
Waste 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 LLC
Address 2318 W. 1st St
Phone No. 575 706 4128
Transporter Ticket # _____

Driver's Name Libardo Escobedo
Print Name _____
Phone No. _____
Truck No. U 04

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. 18

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

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

TANK BOTTOMS

1st Gauge _____ Feet _____ Inches
2nd Gauge _____
Received _____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
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 Monte R. L.Phone No. 515 988 4499

GENERATOR

NO. HW-717402

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

Location of Origin PIU CUX JU BS 015H
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)	_____
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 _____
Gas Plant Waste	_____	QUANTITY	TOP SOIL CALICHE

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 20 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
Address 2318 Violet St
Phone No. _____
Transporter Ticket # _____

Driver's Name Edgar Ribot
Print Name U. O. R.
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. 28

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

If YES, was reading > 50 micro roentgens? (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 11/19/24 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 Kent RetzPhone No. 575 988 4180

GENERATOR

NO. HW- 717403

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

Location of Origin PIU CVX JV B0015H
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)	_____		
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	<input checked="" type="checkbox"/>	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

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 200 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, LLC
Address 2318 Utalet St
Phone No. _____
Transporter Ticket # _____

Driver's Name Edgar Riboto
Print Name U-02
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. 26

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

If YES, was reading > 50 micro roentgens? (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 Scott V. DePhone No. 505 123 4567

GENERATOR

NO. HW- 710511

Generator Manifest # _____

Generator Name X-10

Address _____

City, State, Zip _____

Phone No. _____

Location of Origin

Lease/Well

Name & No. FLD CUX IV 15 015 11

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)	_____
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

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. 28Site 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

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 Don PeltPhone No. 505 968 0119

GENERATOR

NO. HW- 710510

Generator Manifest # _____

Generator Name X-10

Address _____

City, State, Zip _____

Phone No. _____

Location of Origin _____

Lease/Well _____

Name & No. BLU CVX W ES DIS H

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)	_____		
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	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

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 Two BrothersAddress 215 NorthPhone No. 505 262 1118

Transporter Ticket # _____

Driver's Name Paula Pelt

Print Name _____

Phone No. _____

Truck No. 11-01

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. 78Site Name/ Halfway Facility / NM1-006Permit No. 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Address _____

Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐
PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

TANK BOTTOMS

1st Gauge	Feet	Inches
2nd Gauge		
Received		

BS&W/BBLs Received		BS&W (%)
Free Water		
Total Received		

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

November 22, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV BS 015H

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 13:30.

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 01 1' (H247115-01)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/22/2024	ND	448	112	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	11/21/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 02 1' (H247115-02)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	ND	448	112	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 03 1' (H247115-03)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/22/2024	ND	448	112	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 04 1' (H247115-04)

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	11/21/2024	ND	2.16	108	2.00	1.36	
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/22/2024	ND	448	112	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 05 1' (H247115-05)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	ND	448	112	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 06 1' (H247115-06)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/22/2024	ND	448	112	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 07 1' (H247115-07)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/22/2024	ND	448	112	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 08 1' (H247115-08)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 09 1' (H247115-09)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 10 1' (H247115-10)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 11 1' (H247115-11)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 12 1' (H247115-12)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 13 1' (H247115-13)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEx	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 14 1' (H247115-14)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 15 1' (H247115-15)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEx	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 16 1' (H247115-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 17 1' (H247115-17)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 18 1' (H247115-18)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEx	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 19 1' (H247115-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 20 1' (H247115-20)

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	11/21/2024	ND	2.16	108	2.00	1.36		
Toluene*	<0.050	0.050	11/21/2024	ND	2.06	103	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	1.71		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.06	101	6.00	1.73		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/22/2024	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	11/22/2024	ND	193	96.5	200	5.80	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 21 1' (H247115-21)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEx	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/22/2024	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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 22 1' (H247115-22)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEx	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/22/2024	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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 23 1' (H247115-23)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/22/2024	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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 24 1' (H247115-24)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEx	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	11/22/2024	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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 25 3' (H247115-25)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/22/2024	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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 26 1' (H247115-26)

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	11/21/2024	ND	2.22	111	2.00	2.46	
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42	
Total BTEx	<0.300	0.300	11/21/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/22/2024	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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 27 1' (H247115-27)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/22/2024	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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 28 1' (H247115-28)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 29 1' (H247115-29)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEx	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 30 1' (H247115-30)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	28.2	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 01 0-1' (H247115-31)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 02 0-3' (H247115-32)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 03 0-1' (H247115-33)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEx	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/19/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 04 0-1' (H247115-34)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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*=Accredited Analyte

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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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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager: Maynard

Address: 3122 National Parks Hwy

City: Carlsbad

Phone #: 715 937 3906

Project #: 03C1554376

Project Name: Pokeslako NV

Project Location: 27-200-00

Address Location: 36, 609550,

Participant Name: Joshua Boxley

BILL TO
P.O. #:[illegible]

1084

BILL TO										ANALYSIS REQUEST										
Company Name: Ensolum, LLC										P.O. #:										
Project Manager: Tracy Hillard										Company: XTO Energy Inc										
Address: 3122 National Parks Hwy										Attn: Colton Brown										
City: Carlsbad										Address: 3104 E Green St										
Phone #: 575 937 3906										State: NM Zip: 88220										
Fax #: Project Owner: XTO																				
Project #: 03C1554376										City: Carlsbad										
Project Name: Paker Lake CVX JV SS 015H										State: NM Zip: 88220										
Project Location: 32.209550, -103.848710										Phone #:										
Sampler Name: Joshua Boxley										Fax #:										
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV	SAMPLING	Chlorides	TPH	BTEx						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL	OTHER :									
H247MS	F501	1' CI	C	X																
	F502	2' CI	C	X																
	F503	3' CI	C	X																
	F504	4' CI	C	X																
	F505	5' CI	C	X																
	F506	6' CI	C	X																
	F507	7' CI	C	X																
	F508	8' CI	C	X																
	F509	9' CI	C	X																
	F510	10' CI	C	X																
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Relinquished By: [Signature]										Received By: [Signature]										
Date: 11-21-24										Time: 11:33 AM										
Reinquinshed By: [Signature]										Received By: [Signature]										
Date:										Time:										
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:										Observed Temp.: 89 °C Corrected Temp.: 83 °C										
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>										Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp.: °C										
REMARKS: APP2415233132										Cost Center: 140041001										
All Results are emailed. Please provide Email address: @ensolum.com, Tmorrissey@ensolum.com, KThomason@ensolum.com																				



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Page 39 of 40



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager: Tracy Hillard

Address: 3122 National Parks Hwy

City: Carlsbad

State: NM Zip: 88220

Phone #: 575 931 3906 Fax #:

Project #: 03C1558376 Project Owner: XTO

Project Name: Pokerlake CVX SV BS 05H

Project Location: 32.289550, -103.848710

Sampler Name: Joshua Boxley

BILL TO

ANALYSIS REQUEST

Handwritten signature

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.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chlorides

TPH

BTEX

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Relinquished By:

Handwritten signature

Date: 11-21-24 Received By:

Handwritten signature

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

THillard@ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com

Relinquished By:

Handwritten signature

Date: 11-21-24 Received By:

Handwritten signature

REMARKS: 11/21/24 15233132 Incident: W4402415233132 Cost Center: 11/21/24

Delivered By: (Circle One)

Observed Temp.: 89

Corrected Temp.: 83

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: 24 hr Standard

Thermometer ID: #443

Correction Factor: -0.5°C

Bacteria (only) Sample Condition

Cool Intact

Observed Temp.: 89

Corrected Temp.: 83

Sampler - UPS - Bus - Other:

Corrected Temp.: 83

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: 24 hr Standard

Thermometer ID: #443

Correction Factor: -0.5°C

Bacteria (only) Sample Condition

Cool Intact

Observed Temp.: 89

Corrected Temp.: 83

TURN-000 R 3.2 T0107121

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



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

November 22, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV BS 015H

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 13:30.

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2024
Reported: 11/22/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO 32.209550,-103.848710

Sampling Date: 11/20/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BF 01 0.5 (H247116-01)

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	11/21/2024	ND	2.22	111	2.00	2.46		
Toluene*	<0.050	0.050	11/21/2024	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.16	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.86	114	6.00	2.42		
Total BTEX	<0.300	0.300	11/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/22/2024	ND	448	112	400	7.41		

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	11/22/2024	ND	177	88.5	200	0.0463	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	174	87.1	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



APPENDIX D
Remediation Work Plan,
dated August 8, 2024



August 8, 2024

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
Poker Lake CVX JV BS 015H
Incident Number nAPP2415233132
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 assessment and delineation activities completed to date and proposes remedial actions to address impacted soil identified at the Poker Lake CVX JV BS 015H (Site). The purpose of the Site assessment and delineation activities was to determine the presence or absence of impacted soil resulting from the release of crude oil and produced water at the Site. The following *Work Plan* proposes to excavate accessible impacted soil.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 23, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.20955°, -103.84871°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 15, 2024, corrosion on a production flow line resulted in the release of 2 barrels (bbls) of crude oil and 6 bbls of produced water onto the surface of the adjacent lease road and pasture. No fluids were able to be recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Notification of Release (NOR) and subsequently submitted an Initial C-141 Application (C-141) on May 31, 2024. The release was assigned Incident Number nAPP2415233132.

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.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a soil boring drilled for determination of regional groundwater depth. In January 2022, a soil boring permitted by New Mexico Office of the State Engineer (C-4575) was completed approximately 0.09 miles northwest of the Site utilizing hollow stem auger method. Soil boring C-4575 was drilled to a depth of 105 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The temporary well was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 105 feet bgs.

XTO Energy, Inc.
Remediation Work Plan
Poker Lake CVX JV BS 015H

The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland, located approximately 500 feet southwest of the Site. There is a seasonal dry wash 3,118 feet north of the Site. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Potential Site receptors are identified on Figure 1.

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 TPH-diesel range organics (DRO): 1,000 mg/kg
- Total TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

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

SITE ASSESSMENT AND SOIL SAMPLING ACTIVITIES

Immediately following the release on May 15, 2024, Ensolum personnel conducted a Site assessment to evaluate the release extent based on visual observations and information provided by XTO. The release extent area was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. On May 17, 2024, Micro-Blaze® was applied to affected and potentially affected plants in the area in and around the release extent to assist in the breakdown of hydrocarbons that may be present and reduce the impacts to the plant life. A total of 200 gallons of a 3 percent (%) solution of freshwater and Micro-Blaze®, which contains a combination of wetting agents, nutrients, and microbes, was applied to the impacted plants to address potentially elevated TPH concentrations. The safety data sheet for Micro-Blaze® is included in Appendix B.

On June 10, 2024, Ensolum personnel conducted a Site assessment to evaluate the release extent. Ten assessment soil samples (SS01 through SS10) were collected at a depth of 0.5 feet bgs in and around of the release extent. The assessment soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Soil assessment sample locations are depicted on Figure 2. A photographic log of the initial Site assessment is included in Appendix C.

On June 26, 2024, Ensolum returned to the Site to oversee delineation activities. Three potholes (SS01, SS09, and BH01) were advanced via heavy equipment and hand auger to investigate the vertical extent of the release in the vicinity of soil samples SS01, SS09, and SS03, respectively. The potholes were advanced to depths ranging from 1-foot to 5 feet bgs. Discrete soil samples were collected from each

XTO Energy, Inc.
Remediation Work Plan
Poker Lake CVX JV BS 015H

pothole at depths ranging from 0.5 feet to 5 feet bgs. All delineation soil samples were field screened by the same methods as stated above. A photographic log of delineation activities is included in Appendix C. Field screening results and observations for all potholes were logged on lithologic/soil sampling logs, which are included as Appendix D. The soil sample locations were mapped utilizing a handheld GPS unit and the delineation soil sample locations are depicted on Figure 2.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all assessment soil samples, excluding SS01, SS03, and SS09 at 0.5 feet bgs, indicated they were in compliance with Closure Criteria and reclamation standards, confirming lateral delineation of the release.

Laboratory analytical results for assessment soil sample SS01, collected at 0.5 feet bgs, indicated TPH and chloride concentrations exceeded the reclamation requirement, but was in compliance at 3 feet bgs. Soil assessment sample SS03, collected at 0.5 feet bgs, indicated the chloride concentration met the Closure Criteria but exceeded the reclamation requirement; however, soil assessment sample BH01, collected at 0.5 feet and 1-foot bgs, and located approximately 15 feet to the west of SS03, were in compliance with the Closure Criteria and reclamation requirement. Soil assessment sample SS09, collected at 0.5 feet bgs, indicated the TPH-GRO/TPH-DRO concentration exceeded Closure Criteria and the TPH concentration exceeded the reclamation requirement but was in compliance at 1-foot, 4 feet, and 5 feet bgs.

Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included in Appendix E.

PROPOSED REMEDIATION WORK PLAN

Site assessment and delineation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the releases of crude oil and produced water. Based on laboratory analytical results, TPH-GRO/TPH-DRO, total TPH, and chloride impacted soil exists across an approximate 5,150 square-foot area within the release footprint at depths ranging from 0.5 feet bgs to 3 feet bgs. The lateral extent of the release is defined through laboratory analytical results of soil samples SS02 through SS10, excluding SS03 and SS09.

XTO proposes to complete the following remediation activities:

- Excavation of petroleum hydrocarbon and chloride impacted soil. Excavation will proceed laterally until sidewall samples confirm all COC concentrations are compliant with the Closure Criteria as well as reclamation requirements for the top 4 feet, where applicable. The proposed excavation extent is depicted on Figure 3.
- An estimated 300 cubic yards of impacted soil will be excavated. The excavated soil will be transferred to a New Mexico approved landfill facility for disposal.

XTO Energy, Inc.
Remediation Work Plan
Poker Lake CVX JV BS 015H

- The excavation will be backfilled and recontoured to match pre-existing Site conditions and the pasture area will be reseeded with a BLM-approved seed mixture.

XTO believes this *Work Plan* is protective of human health, the environment, and groundwater. As such, XTO requests approval of this *Work Plan* by NMOCD. XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this *Work Plan* by the NMOCD or within 90 days of when XTO production operations is discharged from the Site, whichever comes first.

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

Sincerely,
Ensolum, LLC



Tracy Hillard
Staff Engineer



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

cc: Amy Ruth, XTO
Amanda Garcia, XTO
BLM






Appendices:

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






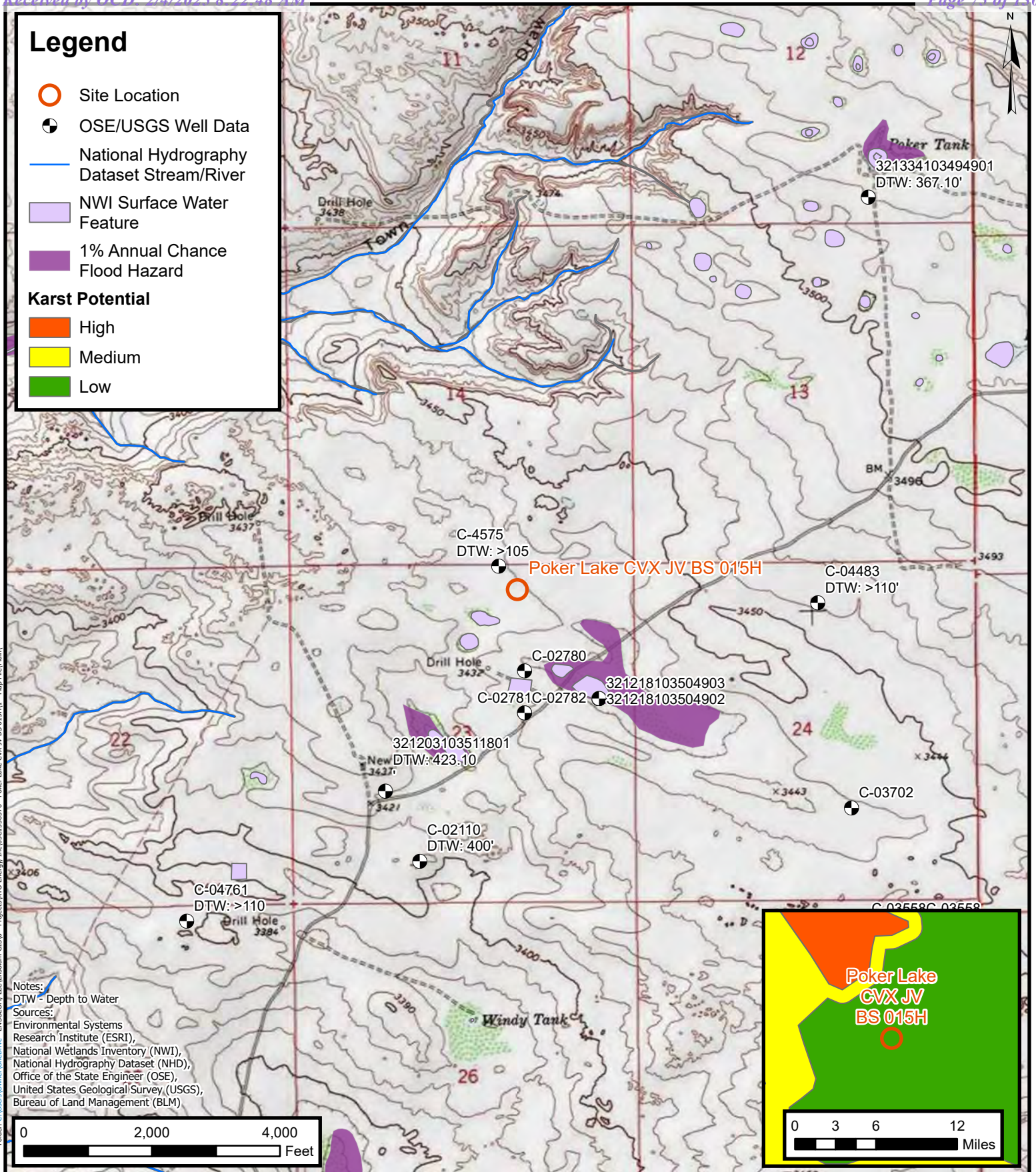
FIGURES

Legend

-  Site Location
-  OSE/USGS Well Data
-  National Hydrography Dataset Stream/River
-  NWI Surface Water Feature
-  1% Annual Chance Flood Hazard

Karst Potential

-  High
-  Medium
-  Low

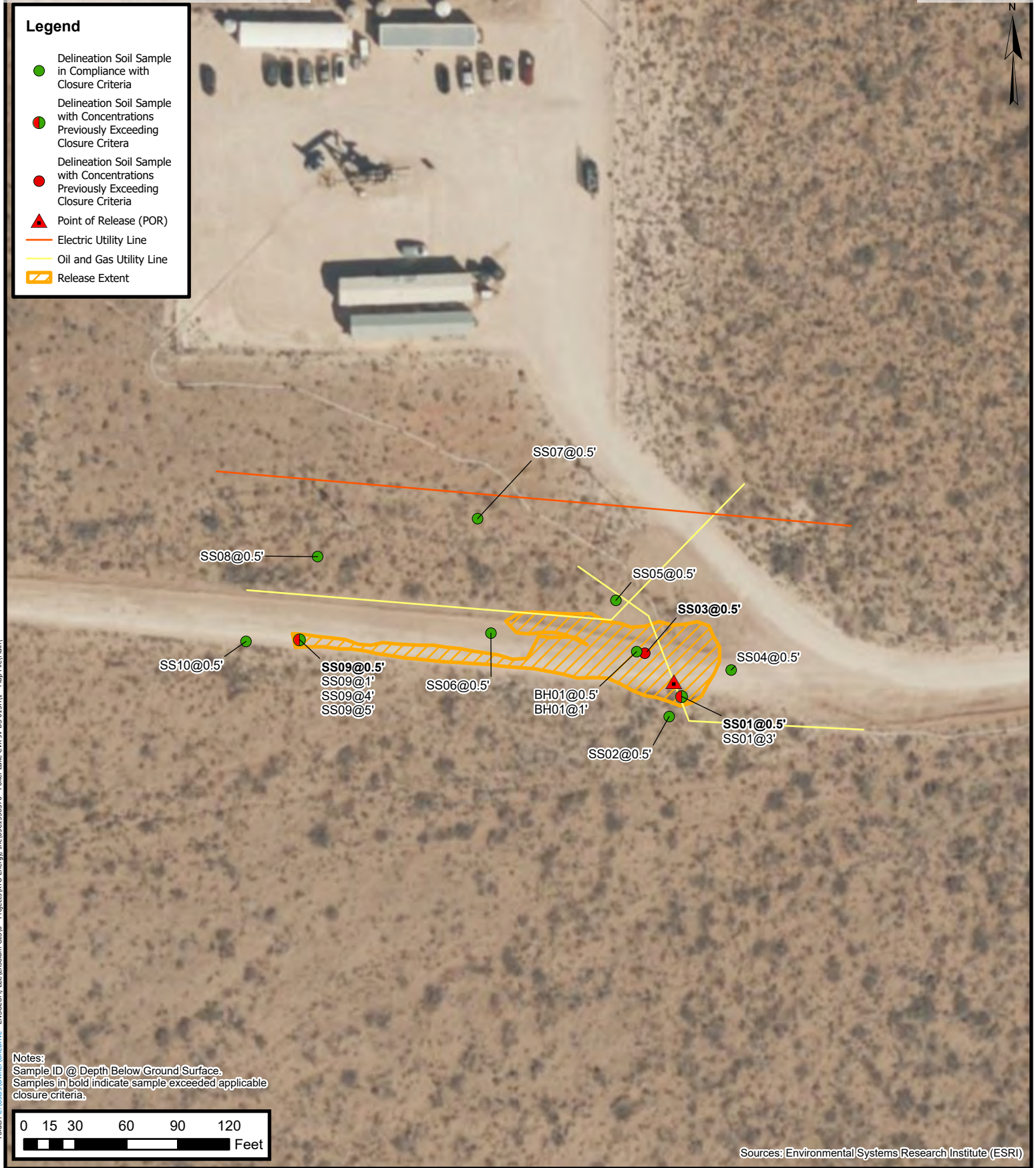


Site Receptor Map

XTO Energy, Inc
Poker Lake CVX JV BS 015H
Incident Number: nAPP2415233132
Unit B, Section 23, Township 24 South, Range 30 East
Eddy County, New Mexico

FIGURE

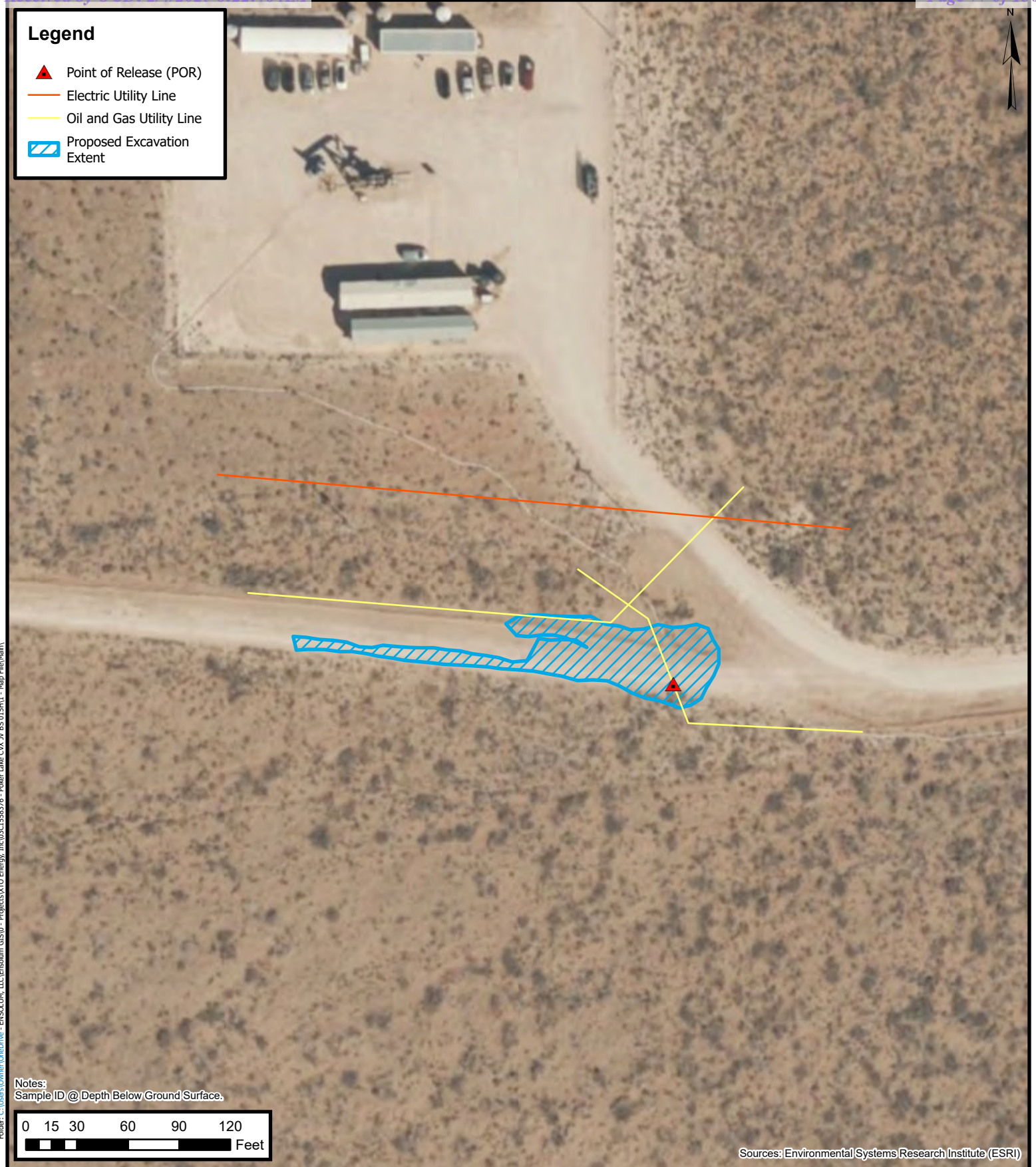
1



Delineation Soil Sample Locations

XTO Energy, Inc
Poker Lake CVX JV BS 015H
Incident Number: nAPP2415233132
Unit B, Section 23, Township 24 South, Range 30 East
Eddy County, New Mexico

FIGURE
2



Proposed Excavation Extent

XTO Energy, Inc
Poker Lake CVX JV BS 015H
Incident Number: nAPP2415233132
Unit B, Section 23, Township 24 South, Range 30 East
Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Poker Lake CVX JV BS 015H
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
Assessment Soil Samples										
SS01	06/10/2024	0.5	<0.050	<0.300	10.1	689	151	699	850	5,200
SS01	06/26/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS02	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS03	06/10/2024	0.5	<0.050	<0.300	<10.0	42.9	<10.0	43.0	43.0	1,390
SS04	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS05	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS06	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS07	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS08	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS09	06/10/2024	0.5	<0.050	<0.300	100	854	134	1,088	1,088	112
SS09	06/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS09	06/26/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS09	06/26/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS10	06/10/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
Delineation Soil Samples										
BH01	06/26/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH01	06/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

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

OSE OIT JAN 24 2022 PM 3:00

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4575			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 38.03 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
LONGITUDE 103 50 58.70 W DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE Sec. 23 T24S R30E, NMPM								
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 1-4-2022	DRILLING ENDED 1-4-2022	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 105	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 type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	±8.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

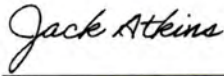
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4575	POD NO. 1	TRN NO. 709414
LOCATION 2-1-1 24S-30E-23	WELL TAG ID NO. —	PAGE 1 OF 2

MON

USE ON JAN 24 2022 09:00

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	1	1	Caliche, White, Dry	Y ✓ N	
	1	20	19	Sand, very fine grained, well graded, with caliche, Reddish Brown-Light Brown	Y N	
	20	30	20	Caliche, consolidated with silt and some gravel, Off-White, Dry	Y ✓ N	
	30	50	20	Sand, very fine grained, well graded, with gravel, Light Brown	Y ✓ N	
	50	75	25	Sand, very fine grained, well graded, with gravel, Reddish Brown, slight moist	Y ✓ N	
	75	105	30	Sand, very fine grained, poorly graded, Reddish Brown, slight moist	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
	<p>Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.</p>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
Shane Eldridge, Cameron Pruitt, Carmelo Trevino						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 Jackie D. Atkins				1/21/2022	
SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4573	POD NO. 1	TRN NO. 709414
LOCATION 2-1-1	245-30E-23	WELL TAG ID NO. MON

PAGE 2 OF 2

OSE_Well Record and Log_-forsign

Final Audit Report

2022-01-22

Created:	2022-01-21
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAHFW29aZiQH1D931B0LxyAz3o1wYi88ri

"OSE_Well Record and Log_-forsign" History



Document created by Lucas Middleton (lucas@atkinseng.com)

2022-01-21 - 10:47:34 PM GMT- IP address: 69.21.248.123

OSE DIT JAN 24 2022 PM3:00



Document emailed to Jack Atkins (jack@atkinseng.com) for signature

2022-01-21 - 10:48:19 PM GMT



Email viewed by Jack Atkins (jack@atkinseng.com)

2022-01-21 - 10:49:13 PM GMT- IP address: 64.90.153.232



Document e-signed by Jack Atkins (jack@atkinseng.com)

Signature Date: 2022-01-22 - 0:16:23 AM GMT - Time Source: server- IP address: 64.90.153.232



Agreement completed.

2022-01-22 - 0:16:23 AM GMT



Adobe Sign



APPENDIX B

Safety Data Sheet - Micro-Blaze®



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

1. IDENTIFICATION OF THE SUBSTANCE

Product identifier

Product Name: Micro-Blaze® Emergency Liquid Spill Control
 Product Code: MBELSC

Recommended use of the chemical and restrictions on use

Recommended Use: Bioremediation/cleaning
 Uses advised against: Please refer to Product Data Sheet

Details of the supplier of the Safety Data Sheet

Contact Manufacturer: Verde Environmental, Inc.
 9223 Eastex Freeway
 Houston, TX USA 77093
 Information Telephone Number: 1-713-691-6468
 Emergency Telephone Number: 1-800-424-9300 (Chemtrec) 24 hours every day

2. HAZARDS IDENTIFICATION

Classification

Classification of the product is in accordance with 29CFR 1910.1200

Acute toxicity – Oral	Category 5
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

Label elements

Emergency Overview

Warning

Hazard statements

May cause an allergic skin reaction
 Causes serious eye irritation
 May be harmful if swallowed



Appearance: Opaque

Physical State: Liquid

Odor: Slight fermentation odor



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

Precautionary Statements – Prevention

Wear eye/face protection. Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapors/spray.

Precautionary Statements – Response

Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Skin	IF ON SKIN: Gently wash with plenty of soap and water
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements – Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Precautionary Statements – Disposal

Dispose of unused product and container in accordance with all applicable local and regional requirements

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Health Hazard	1
Fire Hazard	0
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Weight - %
Water and Proprietary Viable Spore Forming Cultures	> 80
Proprietary blend of Ethoxylated Alcohols and other Organic materials	3 – 9
Additives	2 - 5

4. FIRST AID MEASURES

First aid measures



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin Contact Wash off immediately with soap and plenty of water

Inhalation Move to fresh air

Ingestion Clean mouth with water and afterwards drink plenty of water

Most important symptoms and effects, both acute and delayed

Main symptoms No information available

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Specific Hazards Arising from the Chemical

No information available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation

Environmental precautions

Environmental Precautions It is not anticipated to be hazardous for the environment

Methods and material for containment and cleaning up

Methods for Clean-up Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place
Packaging Material	There could be many packaging types for the product. The details are given in other Verde Environmental, Inc. documents
Incompatible Materials	Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Individual protection measures, such as personal protective equipment

Eye Protection	Avoid contact with eyes
Skin and body protection	No special technical protective measures are necessary
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Tan, Opaque
Odor	Pleasant (perfume)
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	7.0 – 8.0
Melting/freezing point	freeze at 0°C/32°F
Evaporation rate VALUE	No information available
Flammability (solid, gas)	Not flammable
Burning rate 100mm VALUE	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	99%
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of product	No information available
Viscosity	No information available



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening Point	No information available
VOC Content	No information available
Density	No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight

Incompatible materials

Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

Hazardous Decomposition Products

No information available

11. Toxicological Information

Information on likely routes of exposure

Inhalation	There is no data available for this product
Eye contact	Avoid contact with eyes. Severely irritating to eyes
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Ingestion may cause stomach discomfort

Information on toxicological effects

Symptoms	No information available
----------	--------------------------

Delayed and immediate effects as well as chronic effects from short and long-term exposure



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

Sensitization	May cause sensitization of susceptible persons
Mutagenic Effects	No information available
Reproductive Effects	No information available
Specific target organ systemic toxicity	No information available
Aspiration hazard	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Dahnia, acute	Algae, acute	Fish, acute
Proprietary blend of Ethoxylated Alcohols	EC50 (48 hours): 5-10 mg/l	EC50 (72 hours): 10- 100 mg/l	LC50: 1-10 mg/l

Persistence/Degradability

The organic components of the product are biodegradable.

Bioaccumulation/Accumulation

Chemical Name	Persistence and degradability	log Pow
Proprietary blend of Ethoxylated Alcohols	Readily biodegradable (OECD TG 301B)	<0

Other adverse effects

No known effect

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of contents/container in accordance with local regulation

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

Transport regulations: No dangerous goods according to transport regulations
No special precautions required

Transport hazard class(es): N/A

Packing group: N/A

Environmental hazards: N/A



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL – Canadian Domestic Substances List/Non-Domestic Substances List

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

SARA 311/312 Hazardous

Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

State Right-to-Know

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

Canada

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.



Safety Data Sheet

Micro-Blaze® Emergency Liquid Spill Control

16. OTHER INFORMATION

Revision date: 01.22.2021

Revision Summary

No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of Verde Environmental, Inc., it is the responsibility of the customer to determine the conditions of safe use of this preparation.



APPENDIX C

Photographic Log

**Photographic Log**

XTO Energy, Inc
Poker Lake CVX JV BS 015H
nAPP2415233132

Date & Time: Wed, May 15, 2024 at 12:36:04 MDT
Position: +032.209550° / -103.848766° (±15.7ft)
Altitude: 3441ft (±10.9ft)
Datum: WGS-84
Azimuth/Bearing: 268° N72W 5120mils True (±13°)
Elevation Angle: -16.5°
Horizon Angle: -40.1°
Zoom: 0.5X
Poker Lake CVX JV BS 015H



Photograph: 1 Date: 5/15/2024
Description: Release extent
View: West



Photograph: 2 Date: 6/10/2024
Description: Site assessment activities
View: Northeast

Date & Time: Wed, Jun 26, 2024 at 10:09:36 MDT
Position: +032.209616° / -103.849403° (±15.6ft)
Altitude: 3440ft (±10.9ft)
Datum: WGS-84
Azimuth/Bearing: 247° S52W 4381mils True (±12°)
Elevation Angle: -24.0°
Horizon Angle: -0.8°
Zoom: 0.5X
Poker Lake CVX JV BS 015H



Photograph: 3 Date: 6/26/2024
Description: Delineation activities with backhoe
View: West

Date & Time: Wed, Jun 26, 2024 at 10:48:19 MDT
Position: +032.209616° / -103.849403° (±15.6ft)
Altitude: 3438ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 120° E10W 6502mils True (±12°)
Elevation Angle: -46.7°
Horizon Angle: 98.0°
Zoom: 0.5X
Poker Lake CVX JV BS 015H





Photograph: 4 Date: 6/26/2024
Description: Delineation activities with hand auger
View: Southwest




APPENDIX D

Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: SS01		Date: 6/26/2024				
		Site Name: Poker Lake CVX JV BS 015H						
		Incident Number: nAPP2415233132						
		Job Number: 03C1558376						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.209521, -103.848724			Logged By: TH/JB		Method: Hand Auger			
			Hole Diameter: 4"		Total Depth: 3'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% 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-SC	(0-3') SAND, dark brown, some silt, trace clay odor, poorly graded
D	8607	87.9	Y	SS01	0.5			
D	2195	101	Y		1	1		
D	884.8	25.8	Y		2	2		(@2') trace silt
D	<173	40.3	N	SS01	3	3		(@3') no silt
							CCH	(@3.5') CALICHE, hand auger refusal
Total depth @ 3.5' feet bgs								

 ENSOLUM		Sample Name: SS09		Date: 6/26/2024				
		Site Name: Poker Lake CVX JV BS 015H						
		Incident Number: nAPP2415233132						
		Job Number: 03C1558376						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.209619, -103.849443			Logged By: TH/JB		Method: Backhoe			
			Hole Diameter: 24"		Total Depth: 5'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% 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	CCHE	(0-1') CALICHE, beige, poorly graded, odor
D	235	398	N	SS09	0.5			
D	173.6	26.6	N	SS09	1	1	SP-SC	(1-2') SAND, dark brown, little silt, trace clay odor, poorly graded
D	<173.6	18.6	N		2	2		(@2') some silt, little clay
D	<173.6	9.6	N		3	3	CCHE	(3-5') CALICHE, beige, some sand, poorly graded, odor, little clay
D	<173.6	5.2	N	SS09	4	4		(@4') no clay, no odor
D	<173.6	2.7	N	SS09	5	5		
						Total depth @ 5 feet bgs		

					Sample Name: BH01		Date: 6/26/2024	
LITHOLOGIC / SOIL SAMPLING LOG					Site Name: Poker Lake CVX JV BS 015H			
					Incident Number: nAPP2415233132			
					Job Number: 03C1558376			
Coordinates: 32.209594, -103.848812					Logged By: TH/JB		Method: Backhoe	
					Hole Diameter: 24"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% 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	CCHE	(0-0.5') CALICHE, beige, poorly graded, odor
D	<173.6	1.3	N	BH01	0.5		SP-SC	(0.5-1') SAND, dark brown, little silt, slight odor, poorly graded
D	<173.6	1.7	N	BH01	1	1		(@1') no odor
						Total depth @ 1 feet bgs		



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



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

June 17, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV BS 015H

Enclosed are the results of analyses for samples received by the laboratory on 06/11/24 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 01 0.5' (H243377-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2024	ND	2.04	102	2.00	2.32	
Toluene*	<0.050	0.050	06/13/2024	ND	1.99	99.4	2.00	0.424	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.667	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.78	96.3	6.00	0.287	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	5200	16.0	06/14/2024	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*	10.1	10.0	06/13/2024	ND	190	95.0	200	6.94	
DRO >C10-C28*	689	10.0	06/13/2024	ND	186	92.8	200	1.63	
EXT DRO >C28-C36	151	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 02 0.5' (H243377-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2024	ND	2.04	102	2.00	2.32		
Toluene*	<0.050	0.050	06/13/2024	ND	1.99	99.4	2.00	0.424		
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.667		
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.78	96.3	6.00	0.287		
Total BTEX	<0.300	0.300	06/13/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/14/2024	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	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 03 0.5' (H243377-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2024	ND	2.04	102	2.00	2.32	
Toluene*	<0.050	0.050	06/13/2024	ND	1.99	99.4	2.00	0.424	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.667	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.78	96.3	6.00	0.287	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1390	16.0	06/14/2024	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	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	42.9	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 52.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 49.7 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 04 0.5' (H243377-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2024	ND	2.04	102	2.00	2.32		
Toluene*	<0.050	0.050	06/13/2024	ND	1.99	99.4	2.00	0.424		
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.667		
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.78	96.3	6.00	0.287		
Total BTEX	<0.300	0.300	06/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	128	16.0	06/14/2024	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	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 56.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.9 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 05 0.5' (H243377-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2024	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	06/14/2024	ND	2.26	113	2.00	1.56	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.27	113	2.00	1.55	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	6.98	116	6.00	1.81	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	06/14/2024	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	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 06 0.5' (H243377-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2024	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	06/14/2024	ND	2.26	113	2.00	1.56	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.27	113	2.00	1.55	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	6.98	116	6.00	1.81	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	06/14/2024	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	06/14/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 07 0.5' (H243377-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2024	ND	2.11	105	2.00	1.59		
Toluene*	<0.050	0.050	06/14/2024	ND	2.26	113	2.00	1.56		
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.27	113	2.00	1.55		
Total Xylenes*	<0.150	0.150	06/14/2024	ND	6.98	116	6.00	1.81		
Total BTEX	<0.300	0.300	06/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/14/2024	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	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 69.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.4 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 08 0.5' (H243377-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2024	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	06/14/2024	ND	2.26	113	2.00	1.56	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.27	113	2.00	1.55	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	6.98	116	6.00	1.81	
Total BTEX	<0.300	0.300	06/14/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/14/2024	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	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 09 0.5' (H243377-09)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2024	ND	2.11	105	2.00	1.59	
Toluene*	0.154	0.050	06/14/2024	ND	2.26	113	2.00	1.56	
Ethylbenzene*	0.467	0.050	06/14/2024	ND	2.27	113	2.00	1.55	
Total Xylenes*	3.54	0.150	06/14/2024	ND	6.98	116	6.00	1.81	GC-NC1
Total BTEX	4.16	0.300	06/14/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 157 % 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	112	16.0	06/14/2024	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*	100	10.0	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	854	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	134	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/11/2024
Reported: 06/17/2024
Project Name: PLU CVX JV BS 015H
Project Number: 03C1558376
Project Location: XTO

Sampling Date: 06/10/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 10 0.5' (H243377-10)

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	06/14/2024	ND	2.11	105	2.00	1.59		
Toluene*	<0.050	0.050	06/14/2024	ND	2.26	113	2.00	1.56		
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.27	113	2.00	1.55		
Total Xylenes*	<0.150	0.150	06/14/2024	ND	6.98	116	6.00	1.81		
Total BTEX	<0.300	0.300	06/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	112	16.0	06/14/2024	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	06/13/2024	ND	175	87.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	184	91.9	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 03, 2024

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU CVX JVBS 015H

Enclosed are the results of analyses for samples received by the laboratory on 06/27/24 12:30.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/27/2024
 Reported: 07/03/2024
 Project Name: PLU CVX JVBS 015H
 Project Number: 03C1558376
 Project Location: XTO 32.309530-103.848710

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 09 1' (H243851-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2024
 Reported: 07/03/2024
 Project Name: PLU CVX JVBS 015H
 Project Number: 03C1558376
 Project Location: XTO 32.309530-103.848710

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 09 4' (H243851-02)

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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2024
 Reported: 07/03/2024
 Project Name: PLU CVX JVBS 015H
 Project Number: 03C1558376
 Project Location: XTO 32.309530-103.848710

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 09 5' (H243851-03)

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	07/02/2024	ND	2.12	106	2.00	9.13		
Toluene*	<0.050	0.050	07/02/2024	ND	2.30	115	2.00	11.2		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.43	121	2.00	11.5		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.30	122	6.00	12.3		
Total BTEX	<0.300	0.300	07/02/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2024
 Reported: 07/03/2024
 Project Name: PLU CVX JVBS 015H
 Project Number: 03C1558376
 Project Location: XTO 32.309530-103.848710

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 01 0.5' (H243851-04)

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	07/02/2024	ND	2.12	106	2.00	9.13	
Toluene*	<0.050	0.050	07/02/2024	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.43	121	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.30	122	6.00	12.3	
Total BTEX	<0.300	0.300	07/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2024
 Reported: 07/03/2024
 Project Name: PLU CVX JVBS 015H
 Project Number: 03C1558376
 Project Location: XTO 32.309530-103.848710

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 01 1' (H243851-05)

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	07/02/2024	ND	2.12	106	2.00	9.13	
Toluene*	<0.050	0.050	07/02/2024	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.43	121	2.00	11.5	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.30	122	6.00	12.3	
Total BTEX	<0.300	0.300	07/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Analytical Results For:

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

Received: 06/27/2024
 Reported: 07/03/2024
 Project Name: PLU CVX JVBS 015H
 Project Number: 03C1558376
 Project Location: XTO 32.309530-103.848710

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 01 3' (H243851-06)

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	07/02/2024	ND	2.12	106	2.00	9.13		
Toluene*	<0.050	0.050	07/02/2024	ND	2.30	115	2.00	11.2		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.43	121	2.00	11.5		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.30	122	6.00	12.3		
Total BTEX	<0.300	0.300	07/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST			
Project Manager: Tracy Hillard				P.O. #:							
Address: 601 N Marientfield Street, Suite 400				Company: XTO Energy							
City: Midland				Attn: Amy Ruth							
State: TX Zip: 79701				Address: 31st Avenue							
Phone #: 575-937-8906 Fax #:				City: Carlsbad							
Project #: 03C1558376 Project Owner: XTO				State: NM Zip: 88220							
Project Name: BU CVX SVBS 015H				Phone #: 432-661-0571							
Project Location: 32.809550, -103.848210				Fax #:							
Sampler Name: Tracy Hillard											

FOR LAB USE ONLY		LAB I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		TPH 8015		BTEX 8021		Chloride 4500													
		H243851		S509		1		G		1		GROUNDWATER				DATE		TIME		X		X		X											
				S509		4						WASTEWATER				6-24-24		0940																	
				S509		5						SOIL						1012																	
				B1101		0.5						OIL						1020																	
				B1101		1						SLUDGE						1023																	
				S501		3						OTHER :						1046																	
												ACID/BASE:																							
												ICE / COOL																							
												OTHER :																							

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Relinquished By: <u>Tracy Hillard</u>		All Results are emailed. Please provide Email address:	
Date: <u>6-27-24</u>		Bbell@ensolum.com, T Morrissey@ensolum.com, THillard@ensolum.com	
Time: <u>1230</u>			
Date: <u>6-27-24</u>			
Time: <u>1230</u>			
Relinquished By: <u>Tracy Hillard</u>		REMARKS: <u>NAAP 2415233132</u>	
Date: <u>6-27-24</u>		<u>0.5f CVX 1140041001</u>	
Time: <u>1230</u>			
Relinquished By: <u>Tracy Hillard</u>		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
Date: <u>6-27-24</u>		Thermometer ID: <u>443</u>	
Time: <u>1230</u>		Correction Factor: <u>0.5C</u> <u>0.740</u>	
Delivered By: (Circle One)		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Observed Temp. °C	
		Corrected Temp. °C	

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

QUESTIONS

Action 427899

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2415233132
Incident Name	NAPP2415233132 POKER LAKE CVX JV BS 015H @ 0
Incident Type	Release Other
Incident Status	Reclamation Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	POKER LAKE CVX JV BS 015H
Date Release Discovered	05/15/2024
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: 6 BBL Recovered: 0 BBL Lost: 6 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 427899

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	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	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 08/08/2024
--	--

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QUESTIONS, Page 3

Action 427899

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	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 500 and 1000 (ft.)
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 ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
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 1000 (ft.) and ½ (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)	480
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28.2
GRO+DRO (EPA SW-846 Method 8015M)	28.2
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	05/15/2024
On what date will (or did) the final sampling or liner inspection occur	11/20/2024
On what date will (or was) the remediation complete(d)	11/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	5340
What is the estimated volume (in cubic yards) that will be reclaimed	200
What is the estimated surface area (in square feet) that will be remediated	5340
What is the estimated volume (in cubic yards) that will be remediated	200

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 427899

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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	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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Kailee Smith Title: Regulatory Analyst Email: kailee.smith@exxonmobil.com Date: 02/04/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 427899

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS, Page 6

Action 427899

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	402908
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/22/2024
What was the (estimated) number of samples that were to be gathered	50
What was the sampling surface area in square feet	10000

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	5340
What was the total volume (cubic yards) remediated	200
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	5340
What was the total volume (in cubic yards) reclaimed	200
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site in accordance with the Work Plan to address the May 2024 crude oil and produced water release. Laboratory analytical results for all final excavation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation was backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions. Excavation of soil has removed impacted soil from the area. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2415233132.

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: Kailee Smith Title: Regulatory Analyst Email: kailee.smith@exxonmobil.com Date: 02/04/2025
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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 427899

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	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	5340
What was the total volume of replacement material (in cubic yards) for this site	200
<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 reseeding commence(d)	07/12/2025
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 Sandy Site Seed Mixture will be used to seed the Site. 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 raked in by chaining or dragging the Site. 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 reseeding 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: Kailee Smith Title: Regulatory Analyst Email: kailee.smith@exxonmobil.com Date: 02/04/2025

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QUESTIONS, Page 8

Action 427899

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	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 427899

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427899
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scwells	Reclamation approved.	2/5/2025