ENSOLUM

August 22, 2024

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

Re: Closure Request
PLU 21 Brushy Draw West CTB
Incident Number NAPP2415552477
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document site assessment and soil sampling activities performed at the PLU 21 Brushy Draw West CTB (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a rental trash trailer/porta-potty combo catching fire at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request,* describing soil sampling activities that have occurred and requesting no further action for Incident Number NAPP2415552477.

SITE DESCRIPTION AND SUMMARY

The Site is located in Unit K, Section 21, Township 25 South, Range 30 East, in Eddy County, New Mexico (32.112240°, -103.88917°) and is associated with oil and gas exploration and production operations on private land owned by Janey Paschal.

On May 27, 2024, a rental trash trailer/porta-potty combo caught fire from an unknown source. No release was associated from the incident and the fire was extinguished upon discovery. XTO reported the fire to the New Mexico Oil Conservation Division (NMOCD) and submitted an Initial C-141 Application (C-141) on June 3, 2024, and the fire incident was assigned Incident Number NAPP2415552477.

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 greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is a United States Geological Survey (USGS) well (USGS 320629103533002), located approximately 0.33 miles southwest of the Site. The USGS 320629103533002 well has a reported depth to groundwater of 265 feet bgs and a total depth of 280 feet bgs as of November 6, 1992. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 872 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or

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

Based on the most recent well data from groundwater well USGS 320629103533002 exceeding 25 years in age, a guideline preferred by the NMOCD, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

INITIAL SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On June 19, 2024, Site assessment activities were conducted to evaluate the area of concern based on information provided on the C-141 and visual observations. Four delineation soil samples (SS01 through SS04) were collected around the area of concern from a depth of 0.5 feet bgs to assess for the presence or absence of impacted soil. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The area of concern and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and 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 constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standards Method 4500.

Laboratory analytical results for delineation soil samples SS01 through SS04 indicated that all COC concentrations were compliant with Closure Criteria. Based on laboratory analytical results from SS01 through SS04, the lateral extent of the area of concern is successfully defined. Photographic documentation was conducted during the Site visit and is presented in a Photographic Log included in Appendix B.

DELINEATION AND SURFACE SCRAPE ACTIVITIES

On July 3, 2024, Ensolum personnel returned to the Site to oversee delineation and surface scraping activities. One pothole (BH01) was advanced via backhoe to a depth of 1-foot bgs within the area of concern. Two discrete soil samples, BH01 and BH01A, were collected from the pothole at depths of 0.5 and 1-foot bgs, respectively. The delineation soil samples were field screened and handled as described above. Field screening results and observations for BH01 were documented on a lithologic/soil sampling log and is included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

The charred surface area resulting from the fire was scraped using a backhoe. Following the surface scraping, Ensolum personnel collected 5-point composite soil samples representing no more than 200

square feet from the scraped area. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Three confirmation soil samples (CS01 through CS03) were collected within the scraped area at a depth of 0.3 feet bgs. Soil from the delineation and confirmation soil samples were field screened utilizing the same method mentioned above. The confirmation soil samples were handled and analyzed for the same analytes described above. The confirmation soil sample locations are depicted on Figure 3.

The final surface scrape area was approximately 560 square feet. A total of approximately 10 cubic yards of soil was removed during the surface scraping activities. The soil was transported and properly disposed of at the OWL Landfill Services, LLC disposal facility located in Jal, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation and confirmation soil samples collected indicate that all COC concentrations were compliant with the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the May 27, 2024, fire. Laboratory analytical results for soil samples collected within and around the area of concern indicated that all COC concentrations were compliant with the Site Closure Criteria and the most stringent Table I Closure Criteria, confirming no fluids were released to the surface of the well pad.

Based on initial response efforts and soil sample laboratory analytical results compliant with the most stringent Table I Closure Criteria, no further remediation was required. XTO believes these remedial actions are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number NAPP2415552477.

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

Sincerely,
Ensolum, LLC

David A. McInnis
Project Geologist

Tacoma Morrissey
Associate Principal

cc: Amy Ruth, XTO
Kaylan Dirkx, XTO
Janey Paschal

Appendices:

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

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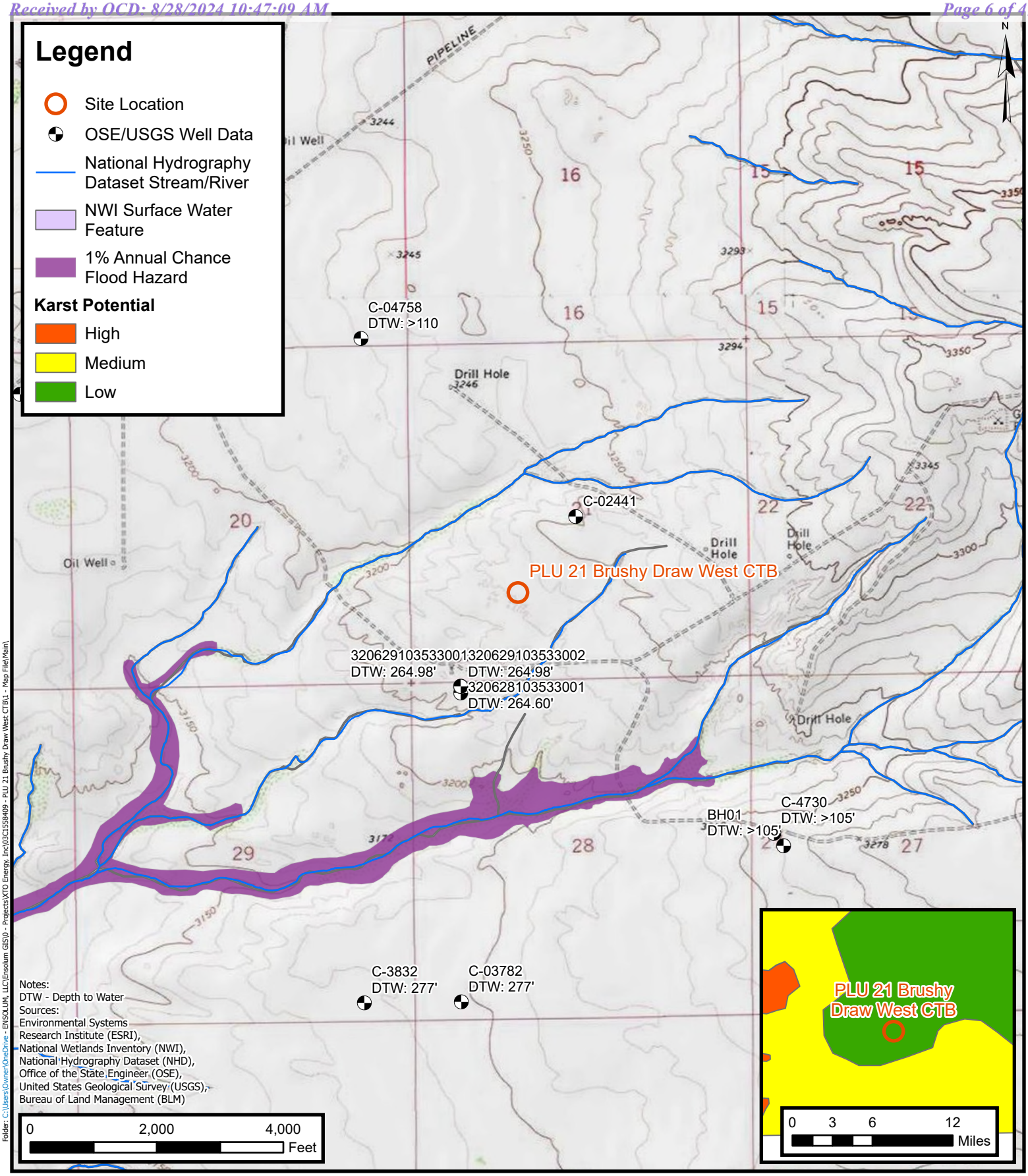
FIGURES



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558409 - PLU 21 Brushy Draw West CTB\1 - Map File\Main\

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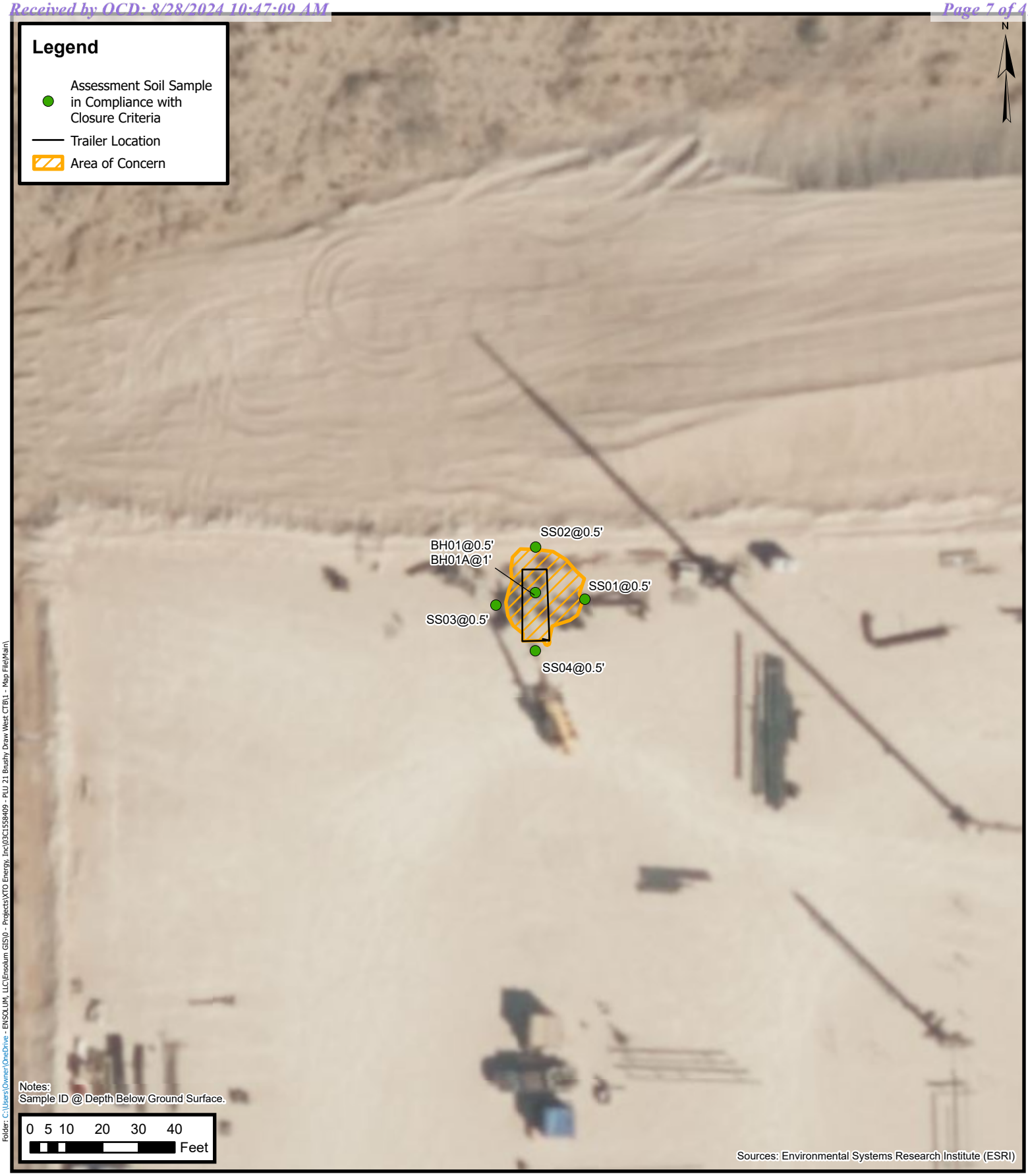
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

XTO Energy, Inc
PLU 21 Brushy Draw West CTB
Incident Number: NAPP2415552477
Unit K, Sec 21, T 25S, R 30E
Eddy County, New Mexico

FIGURE 1



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558409 - PLU 21 Brushy Draw West CTB\1 - Map File\Main\

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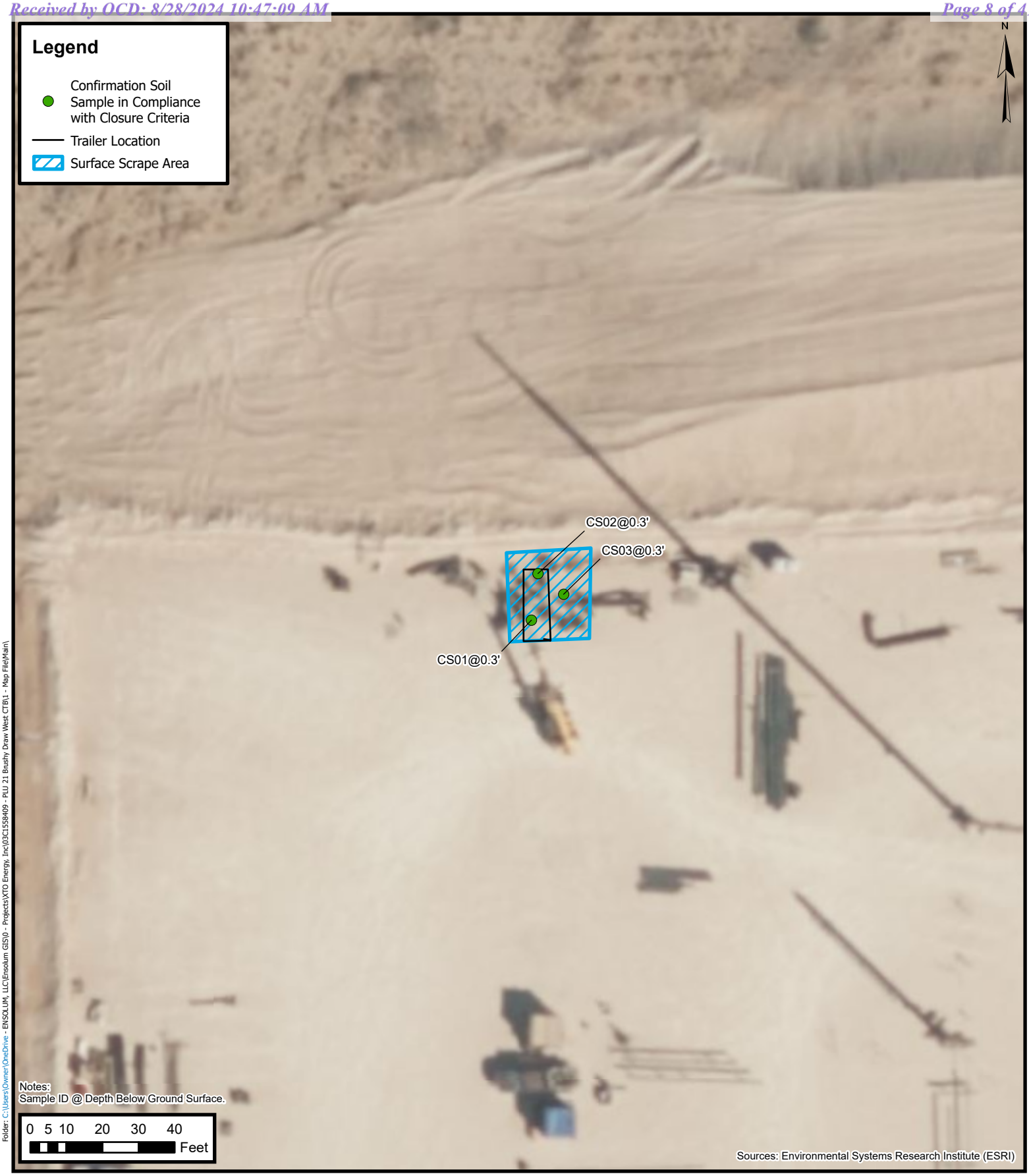
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

XTO Energy, Inc
PLU 21 Brushy Draw West CTB
Incident Number: NAPP2415552477
Unit K, Sec 21, T 25S, R 30E
Eddy County, New Mexico

FIGURE 2



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558409 - PLU 21 Brushy Draw West CTB\1 - Map File\Main\

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Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Locations

XTO Energy, Inc
PLU 21 Brushy Draw West CTB
Incident Number: NAPP2415552477
Unit K, Sec 21, T 25S, R 30E
Eddy County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU 21 Brushy Draw West CTB
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
SS01	06/19/2024	0.5	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	48.0
SS02	06/19/2024	0.5	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	32.0
SS03	06/19/2024	0.5	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	128
SS04	06/19/2024	0.5	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	48.0
BH01	07/03/2024	0.5	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	80.0
BH01A	07/03/2024	1	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	112
Confirmation Soil Samples										
CS01	07/03/2024	0.3	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	80.0
CS02	07/03/2024	0.3	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	32.0
CS03	07/03/2024	0.3	<0.050	<0.300	<0.010	<0.010	<0.010	<0.010	<0.010	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

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APPENDIX A

Referenced Well Records

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320629103533002

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320629103533002 25S.30E.21.33342 A

Eddy County, New Mexico
Latitude 32°06'29", Longitude 103°53'30" NAD27
Land-surface elevation 3,209 feet above NAVD88
The depth of the well is 280 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1949-03-10		D	62610		2939.36	NGVD29	P	Z		
1949-03-10		D	62611		2941.00	NAVD88	P	Z		
1949-03-10		D	72019	268.00			P	Z		
1992-11-06		D	62610		2942.38	NGVD29	P	S		
1992-11-06		D	62611		2944.02	NAVD88	P	S		
1992-11-06		D	72019	264.98			P	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-08-13 14:26:47 EDT
0.25 0.23 nadww02

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APPENDIX B

Photographic Log

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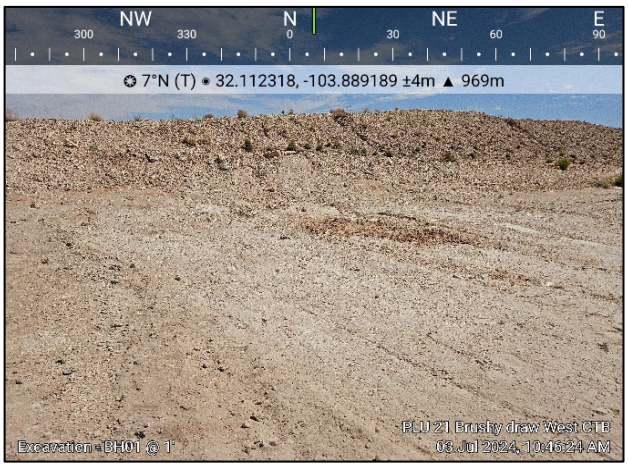
Photographic Log
XTO Energy, LLC
PLU 21 Brushy Draw West CTB
Incident Number: nAPP2415552477

Photograph: 1 Date: 06/19/2024
Description: Surface charring in area of concern
View: West

Photograph: 2 Date: 07/03/2024
Description: Delineation activities
View: South



Photograph: 3 Date: 07/03/2024
Description: Final surface scrape
View: North

Photograph: 4 Date: 07/03/2024
Description: Final surface scrape
View: Southwest

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APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM	Sample Name: BH01	Date: 07/03/2024
	Site Name: PLU 21 Brushy Draw West CTB	
	Incident Number: nAPP2415552477	
	Job Number: 03C1558409	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: U. Santillana	Method: Backhoe
Coordinates: 32.112240, -103.88917	Hole Diameter: ~3.5'	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. All chloride measurements made with a +40% correction factor.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
M	<164	0.0	N	BH01	0.5		SP	Brown sand with silt, poorly graded, no odor, no staining, very fine to fine grained, moist.
M	<164	0.0	N	BH01A	1	1	SW	Tan sand with silt, well graded, no odor, no staining, very fine to fine grained, moist.

Total Depth @ 1' bgs.

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APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

CARDINAL Laboratories

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

June 26, 2024

TACOMA MORRISSEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 21 BRUSHY DRAW CTB WEST

Enclosed are the results of analyses for samples received by the laboratory on 06/20/24 14:18.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/20/2024	Sampling Date:	06/19/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW CTB WEST	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.112240,-103.88917		

Sample ID: SS 01 0.5' (H243640-01)

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	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/24/2024	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	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane *54.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *53.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/20/2024	Sampling Date:	06/19/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW CTB WEST	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.112240,-103.88917		

Sample ID: SS 02 0.5' (H243640-02)

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	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/24/2024	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	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane *63.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *61.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/20/2024	Sampling Date:	06/19/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW CTB WEST	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.112240,-103.88917		

Sample ID: SS 03 0.5' (H243640-03)

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	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/24/2024	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	06/24/2024	ND	187	93.5	200	1.34	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	189	94.5	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane *68.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *66.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	06/20/2024	Sampling Date:	06/19/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW CTB WEST	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.112240,-103.88917		

Sample ID: SS 04 0.5' (H243640-04)

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	06/24/2024	ND	1.91	95.3	2.00	0.524	
Toluene*	<0.050	0.050	06/24/2024	ND	1.86	93.2	2.00	0.0720	
Ethylbenzene*	<0.050	0.050	06/24/2024	ND	2.01	100	2.00	0.148	
Total Xylenes*	<0.150	0.150	06/24/2024	ND	5.91	98.5	6.00	0.212	
Total BTEX	<0.300	0.300	06/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/24/2024	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	06/24/2024	ND	211	106	200	1.86	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	211	105	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane *87.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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**	
Project Manager: Tacoma Morrissey		**P.O. #:**	
Address: 3122 National Parks Hwy		**Company:** XTO Energy	
City: Carlsbad	**State:** NM **Zip:** 88220	**Attn:** Amy Ruth	
Phone #: 3372578307	**Fax #:**	**Address:** 3104 E Greene St	
Project #: 03C1558409	**Project Owner:**	**City:** Carlsbad	
Project Name: PLU 21 Brushy Draw CTB West		**State:** NM **Zip:** 88220	
Project Location: 32.112240, -103.88917		**Phone #:**	
Sampler Name: Uriel Santillana		**Fax #:**	

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
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	Chloride	BTEX	TPH									
H243640																											
1	SS01	0.5'	G	1			X					X		6/19/24	1059	X	X	X									
2	SS02	↓	↓	↓			↓					↓		↓	1101	↓	↓	↓									
3	SS03														1104												
4	SS04														1106												

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 6/20/24	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1418		**All Results are emailed. Please provide Email address:**
			t morrissey@ensolum.com modell@ensolum.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** cost center: 219194 1001
	Time:		nAPP2415552477 - incident id
			fAPP2218153686 - facility Id

Delivered By: (Circle One)	Observed Temp. °C 15	**Sample Condition** Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☒ Rush ☐	**Bacteria (only) Sample Condition** Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID #113 Correction Factor -0.5°C 140	Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

July 10, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 21 BRUSHY DRAW WEST CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/03/24 14:10.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW WEST CTB	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.112240,-103.88917		

Sample ID: CS 01 0.3 (H244012-01)

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	07/09/2024	ND	1.98	99.2	2.00	5.81	
Toluene*	<0.050	0.050	07/09/2024	ND	2.25	113	2.00	0.00	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.67	133	2.00	9.34	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	7.53	125	6.00	0.00	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *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	**80.0**	16.0	07/09/2024	ND	416	104	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	07/09/2024	ND	97.6	97.6	100	8.17	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.1	91.1	100	8.82	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane *98.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW WEST CTB	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.112240,-103.88917		

Sample ID: CS 02 0.3 (H244012-02)

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	07/09/2024	ND	1.98	99.2	2.00	5.81	
Toluene*	<0.050	0.050	07/09/2024	ND	2.25	113	2.00	0.00	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.67	133	2.00	9.34	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	7.53	125	6.00	0.00	
Total BTEX	<0.300	0.300	07/09/2024	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	07/09/2024	ND	416	104	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	07/09/2024	ND	97.6	97.6	100	8.17	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.1	91.1	100	8.82	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW WEST CTB	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.112240,-103.88917		

Sample ID: CS 03 0.3 (H244012-03)

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	07/09/2024	ND	1.98	99.2	2.00	5.81	
Toluene*	<0.050	0.050	07/09/2024	ND	2.25	113	2.00	0.00	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.67	133	2.00	9.34	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	7.53	125	6.00	0.00	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *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	07/09/2024	ND	416	104	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	07/09/2024	ND	97.6	97.6	100	8.17	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.1	91.1	100	8.82	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane *89.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW WEST CTB	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.112240,-103.88917		

Sample ID: BH 01 0.5 (H244012-04)

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	07/09/2024	ND	1.98	99.2	2.00	5.81	
Toluene*	<0.050	0.050	07/09/2024	ND	2.25	113	2.00	0.00	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.67	133	2.00	9.34	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	7.53	125	6.00	0.00	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *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	**80.0**	16.0	07/09/2024	ND	416	104	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	07/09/2024	ND	97.6	97.6	100	8.17	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.1	91.1	100	8.82	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	PLU 21 BRUSHY DRAW WEST CTB	Sampling Condition:	Cool & Intact
Project Number:	03C1558409	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.112240,-103.88917		

Sample ID: BH 01A 1 (H244012-05)

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	07/09/2024	ND	1.98	99.2	2.00	5.81	
Toluene*	<0.050	0.050	07/09/2024	ND	2.25	113	2.00	0.00	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.67	133	2.00	9.34	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	7.53	125	6.00	0.00	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	07/09/2024	ND	416	104	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	07/09/2024	ND	97.6	97.6	100	8.17	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.1	91.1	100	8.82	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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**
Project Manager: Ben Belill	**P.O. #:**
Address: 3122 National Parks Hwy	**Company:** XTO Energy
City: Carlsbad **State:** NM **Zip:** 88220	**Attn:** Amy Ruth
Phone #: 03C15558409 **Fax #:**	**Address:** 3104 E. Greene St.
Project #: 989 8540852 **Project Owner:**	**City:** Carlsbad
Project Name: PLU 21 Brushy Draw West CTB	**State:** NM **Zip:** 88220
Project Location: 32.112240, -103.88917	**Phone #:**
Sampler Name: Uriel Santillana	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides	BTEX	TPH
H244012																		
1	CS01	0.3	C	1			X					X		7/3/24	1101	X	X	X
2	CS02	0.3	C	↓			↓					↓		↓	1101	↓	↓	↓
3	CS03	0.3	C												1059			
4	BH01	0.5	G												1023			
5	BH01A	1	G	↓			↓					↓		↓	1027	↓	↓	↓

US

Relinquished By:	**Date:** 7/3/24	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1410		All Results are emailed. Please provide Email address:
Relinquished By:	**Date:**	**Received By:**	bbelill@ensolum.com Usantillana@ensolum.com
	Time:		**REMARKS:** Cost center: 219194001
			Incident #: nAPP2415552477
			Facility #: fAPP2218153686

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.1	Sample Condition: Cool ☑ Yes ☐ No / Intact ☐ Yes ☐ No	CHECKED BY: (Initials) SR	**Turnaround Time:** Standard ☒ Rush ☐
	Corrected Temp. °C			Thermometer ID ~~#113~~ #140 Correction Factor ~~-0.5°C~~

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 378729

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 378729
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2415552477**
Incident Name	**NAPP2415552477 PLU 21 BRUSHY DRAW WEST CTB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU 21 Brushy Draw West CTB
Date Release Discovered	05/27/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
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	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Other | Other (Specify) | Unknown | Released: 0 BBL (Unknown Released Amount) | Recovered: 0 BBL | Lost: 0 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Lease Operator reported rental trash trailer/porta-potty combo caught fire for an unknown reason. There was no release associated from the incident and the fire was already extinguished upon discovery. Cause of the fire is unknown.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 378729
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;** **(2) an unauthorized release of a volume that:** **(a) results in a fire or is the result of a fire.**
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: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 06/03/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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QUESTIONS (continued)

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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	U.S. Geological Survey
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 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	128
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	06/19/2024
On what date will (or did) the final sampling or liner inspection occur	07/03/2024
On what date will (or was) the remediation complete(d)	07/03/2024
What is the estimated surface area (in square feet) that will be reclaimed	560
What is the estimated volume (in cubic yards) that will be reclaimed	10
What is the estimated surface area (in square feet) that will be remediated	560
What is the estimated volume (in cubic yards) that will be remediated	10
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 (continued)

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QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Amy Ruth Title: Coordinator SSHE Environmental Email: amy.ruth@exxonmobil.com Date: 08/28/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 378729
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**357842**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/03/2024**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**1000**

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	560
What was the total volume (cubic yards) remediated	10
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	560
What was the total volume (in cubic yards) reclaimed	10
Summarize any additional remediation activities not included by answers (above)	Site assessment activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the May 27, 2024, fire. Laboratory analytical results for soil samples collected within and around the area of concern indicated that all COC concentrations were compliant with the Site Closure Criteria and the most stringent Table I Closure Criteria, confirming no fluids were released to the surface of the well pad.

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: Amy Ruth Title: Coordinator SSHE Environmental Email: amy.ruth@exxonmobil.com Date: 08/28/2024

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QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

Action 378729

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2415552477 PLU 21 BRUSHY DRAW WEST CTB, thank you. This Remediation Closure Report is approved.	9/24/2024