NM OIL CONSERVATION
ARTESIA DISTRICT
MAR 06 2018
RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1807828569 BOPCO 2100737

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: XTO Energy	Contact: Amy C. Ruth
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No: 575-689-3380
Facility Name: Poker Lake Unit #155	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No: 30-015-31687

LOCATION OF RELEASE

BLM was provided sunday to change status from "shut in" back to "active" prior to occurance of this release Per XTO

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	6	24S	30E	1888	South	2578	East	Eddy

Latitude 32.244556° Longitude -103.920453° NAD83

NATURE OF RELEASE

Type of Release: Crude Oil and Produced Water	Volume of Release: 31 bbls	Volume Recovered: 0 bbls
Source of Release: Flow Line	Date and Hour of Occurrence: 2/19/2018 time unknown	Date and Hour of Discovery: 2/19/2018 7 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/Crystal Weaver (NMOCD), Shelly Tucker/Jim Amos (BLM)	
By Whom? Amy Ruth	Date and Hour: 2/19/2018 4:41 pm by email	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Fluids were released from a hole developed in the steel flow line due to corrosion. The well was shut in until repairs could be made.

Describe Area Affected and Cleanup Action Taken.*
The release affected approximately 1220 square feet of pasture running north/south alongside Gavilan Rd. An environmental contractor was retained to assist with the remediation effort.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:

Printed Name: Amy C. Ruth

Title: Environmental Coordinator

E-mail Address: Amy_Ruth@xtoenergy.com

Date: 3/6/2018 Phone: 575-689-3380

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 3/19/18 Expiration Date: N/A

Conditions of Approval: See Attached

Attached ☒ #RP-4082

* Attach Additional Sheets If Necessary

3/19/18AB

District I
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAB1807828569
District RP	2RP-4662
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Garrett Green	Contact Telephone 575-200-0729
Contact email garrett.green@exxonmobil.com	Incident # *(assigned by OCD)*
Contact mailing address 3104 E. Greene Street, Carlsbad, New Mexico, 88220	

Location of Release Source

Latitude 32.244556 Longitude -103.920453
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Poker Lake Unit #155	Site Type Flow Line
Date Release 2/19/2018	API# 30-015-31687

Unit Letter	Section	Township	Range	County
J	6	24S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name: State*)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) 16	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 15	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Fluids were released from a hole that developed in the steel flow line due to corrosion. The well was shut in until repairs could be made.

State of New Mexico
Oil Conservation Division

Incident ID	nAB1807828569
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, by Kyle Littrell to Mike Bratcher and Crystal Weaver (NMOCD), 2/19/2018, 7:00 am, by email.

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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
NA

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

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.

Printed Name: Garrett Green Title: SSHE Coordinator

Signature:  Date: 6/23/2023

email: garrett.green@exxonmobil.com Telephone: 575-200-0729

OCD Only

Received by: Date:

Incident ID	nAB1807828569
District RP	2RP-4662
Facility ID	
Application ID	

Site Assessment/Characterization

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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAB1807828569
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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.

Printed Name: Garrett Green Title: SSHE Coordinator

Signature: Date: 06/23/2023

email: garrett.green@exxonmobil.com Telephone: 575-200-0729

OCD Only

Received by: Shelly Wells Date: 6/23/2023

Incident ID	nAB1807828569
District RP	2RP-4662
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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.

Printed Name: Garrett Green Title: SSHE Coordinator

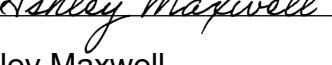
Signature:  Date: 06/23/2023

email: Garrett.green@exxonmobil.com Telephone: 575-200-0729

OCD Only

Received by: Shelly Wells Date: 6/23/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 06/26/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

ENSOLUM

June 23, 2023

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

Re: Closure Request Addendum
Poker Lake Unit #155
Incident Number nAB1807828569
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following addendum to the original *Closure Request* submitted on October 23, 2018. This addendum provides an update to the soil sampling activities completed at the Poker Lake Unit #155 (Site) flow line release in response to the New Mexico Oil Conservation Division (NMOCD) denial of the October 23, 2018, *Closure Request*. In the denial, NMOCD indicated that one excavation soil sample exceeded the reclamation requirements. Based on the additional soil sampling activities described below, XTO is submitting this *Closure Request Addendum* and requesting closure for Incident Number nAB1807828569.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit Letter J, Section 6, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.244556°, -103.920453°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On February 19, 2018, corrosion of a steel flow line resulted in the release of approximately 31 barrels (bbls) of crude oil and produced water. The release affected approximately 1,220 square feet of pasture along Gavilan Road. No free-standing liquids were recovered. The well was shut in and the flow line was repaired. XTO reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141) on March 6, 2018. The release was assigned Remediation Permit Number (RP) 2RP-4662 and Incident Number nAB1807828569.

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 on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) C-04526, located approximately 700 feet east of the Site. The groundwater well was drilled during May 2021 to a total depth of 105 feet bgs, and no groundwater was encountered. The borehole 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 was greater than 105 feet bgs. The borehole was properly abandoned using drill cuttings and hydrated bentonite chips. All wells used for depth to groundwater determination are presented on Figure 1. The associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 0.50 miles northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, 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). 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 Petroleum Hydrocarbons (TPH): 2,500 mg/kg
- Chloride: 20,000 mg/kg

BACKGROUND

Between March and July 2018, excavation activities were conducted at the Site to address the impacted soil resulting from the February 19, 2018, flow line release of crude oil and produced water. Approximately 800 cubic yards of impacted soil were removed from the excavation and confirmation soil samples were collected from the sidewalls and floor of the final excavation extent. The excavation extent and excavation soil sample locations are presented on Figure 2. Laboratory analytical results for the excavation soil samples are summarized on Table 1. Closure was requested on October 23, 2018, based on laboratory analytical results for the excavation soil samples indicating benzene, BTEX, TPH, and chloride concentrations were compliant with the site-specific remediation action levels. The excavation was subsequently backfilled and recontoured to match the surrounding topography. The disturbed area was seeded with a BLM approved seed mix. Additional details regarding the excavation activities can be referenced in the October 23, 2018, Closure Request.

On March 24, 2023, NMOCD denied the *Closure Request* for Incident Number nAB1807828569 for the following reason:

- *Sidewall sample SW04 exceeds closure criteria. The release is subject to 19.15.29.13 D NMAC.*

The excavation and soil sampling activities were completed prior to the August 14, 2018, amendment of 19.15.29 NMAC and prior to the September 6, 2019, publication of the *Procedures for Implementation of the Spill Rule* guidance document that clarified reclamation requirements for off pad releases.

Upon review of the 2018 soil sample analytical results, one excavation sidewall sample (SW04) was identified with a chloride concentration greater than 600 mg/kg in the top four feet.

ADDITIONAL SOIL SAMPLING ACTIVITIES

On May 24, 2023, Ensolum personnel returned to the Site to complete soil sampling activities to assess for the presence or absence of residual chloride impacted soil identified at the original 2018 SW04 sidewall sample location. One composite soil sample (SW04A) was collected via hand auger from depths ranging from the ground surface to 4 feet bgs at the original SW04 sidewall sample location. The soil sample was placed directly into a pre-cleaned glass jar, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil sample was transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Laboratory analytical results for soil sample SW04A indicated that all COC concentrations were compliant with the Site Closure Criteria and the reclamation requirements for the top four feet. The soil sample analytical results are summarized on Table I and the laboratory analytical report is included as Appendix C.

CLOSURE REQUEST

Excavation and soil sampling activities were completed at the Site to address the impacted soil resulting from the February 19, 2018, crude oil and produced water release. Based on laboratory analytical results compliant with the Site Closure Criteria and the reclamation requirement in the final excavation soil samples, no further remediation is required.

Excavation of impacted soil and natural attenuation have mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 100 feet bgs within 0.5 miles of the Site and no other sensitive receptors were identified near the release extent. XTO believes the remedial actions completed are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number nAB1807828569.

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

Sincerely,
Ensolum, LLC

Aimee Cole
Senior Managing Scientist

Ashley Ager, P.G.
Program Director

cc: Garrett Green, XTO
Shelby Pennington, XTO
Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map
Figure 2 Excavation Soil Sample Locations

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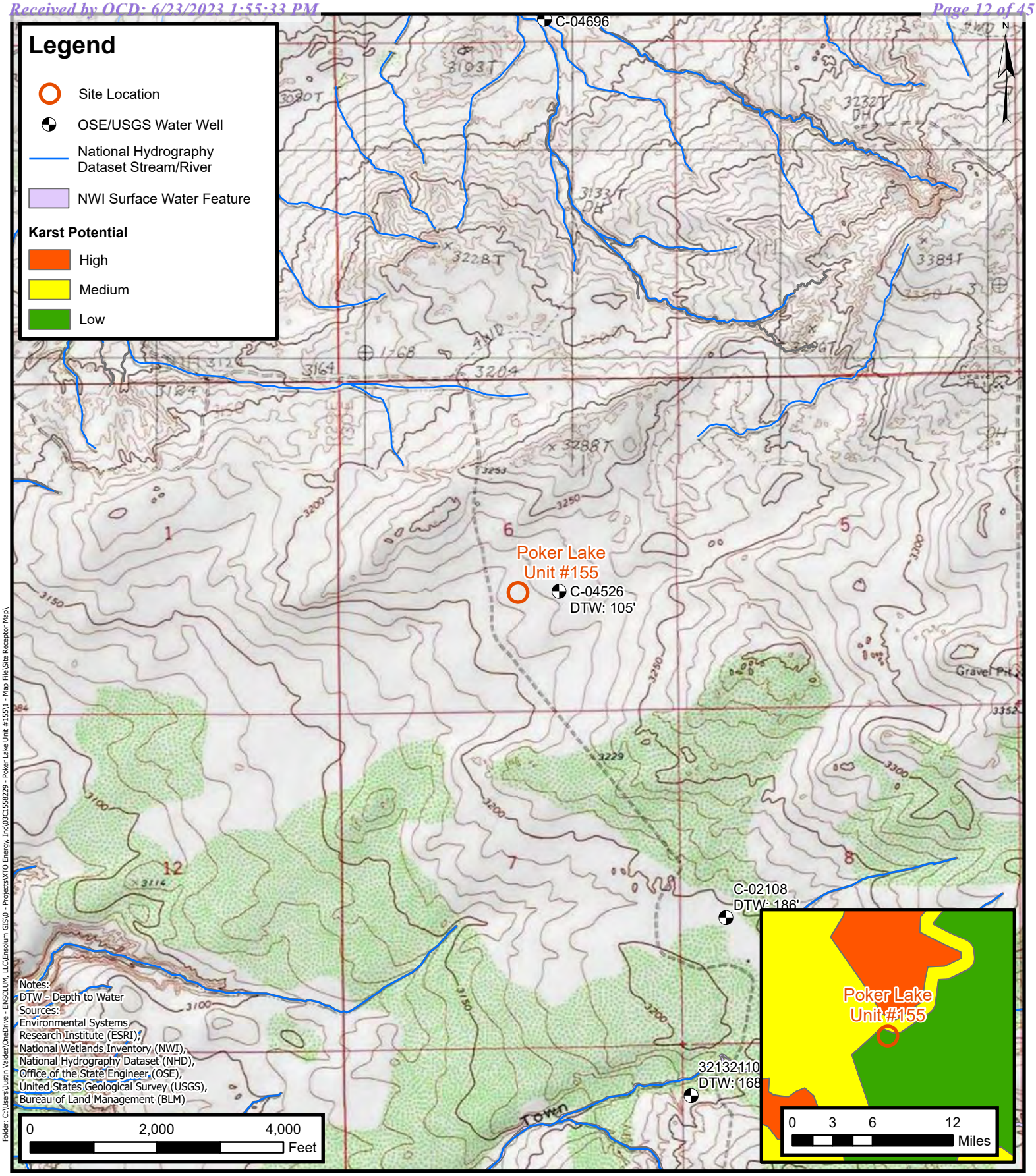
FIGURES



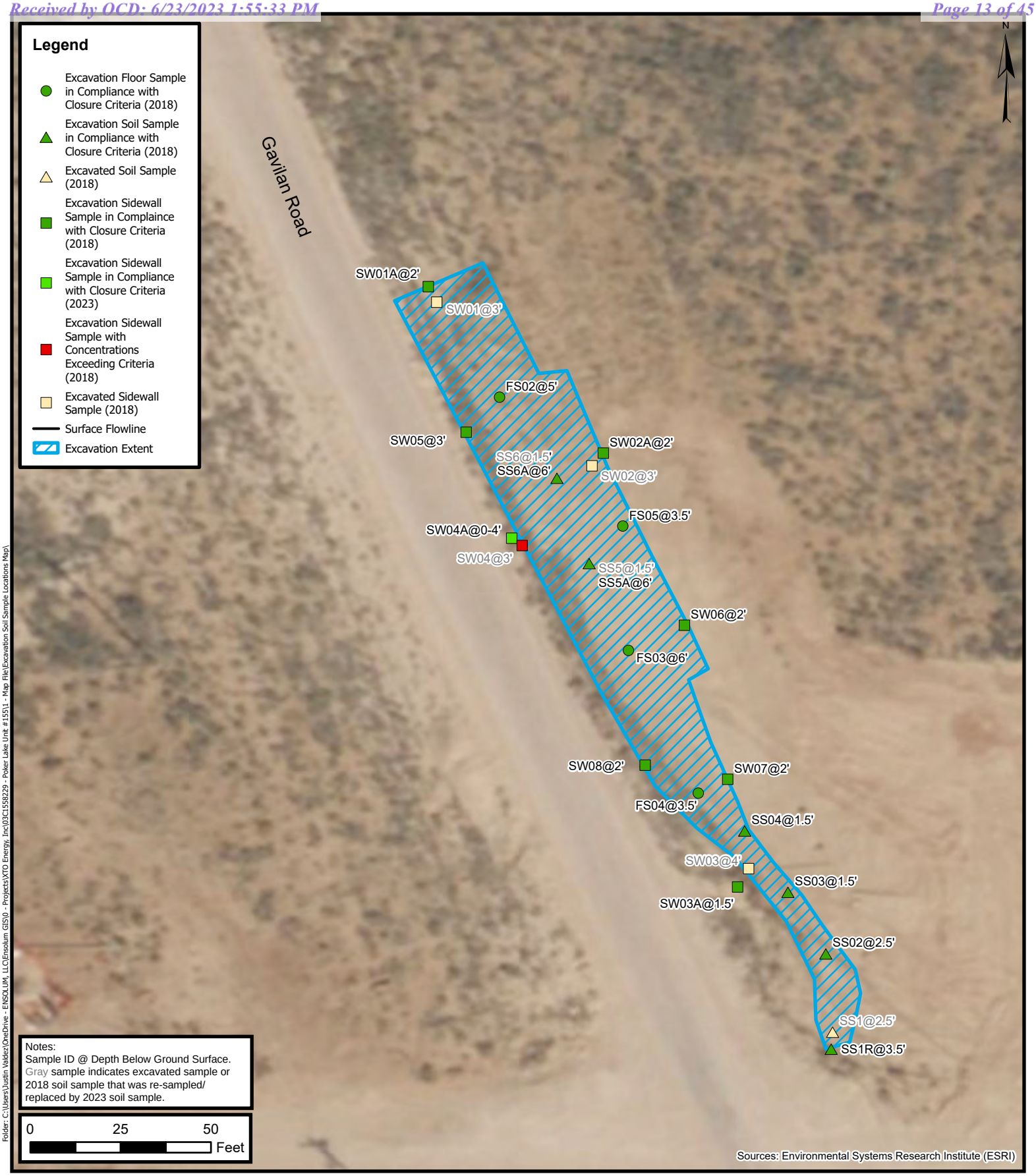
Folder: C:\Users\Justin Valdez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558229 - Poker Lake Unit #155\1 - Map File\Site Receptor Map\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

XTO Energy, Inc.
Poker Lake Unit #155
Incident Number: nAB1807828569
Unit Letter J, Section 6, Township 24 South, Range 30 East
Eddy County, New Mexico

FIGURE 1



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Environmental, Engineering and Hydrogeologic Consultants

Excavation Soil Sample Locations

XTO Energy, Inc.
Poker Lake Unit #155
Incident Number: nAB1807828569
Unit Letter J, Section 6, Township 24 South, Range 30 East
Eddy County, New Mexico

FIGURE 2

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Poker Lake Unit #155
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
Excavation Soil Samples										
~~SS1~~	~~3/2/2018~~	~~2.5~~	~~<0.024~~	~~<0.097~~	~~<4.80~~	~~<10.0~~	~~<50.0~~	~~<10.0~~	~~<50.0~~	~~**8,500**~~
SS1R	3/23/2018	3.5	<0.024	<0.094	<4.70	<9.90	<50.0	<9.90	<50.0	350
SS2	3/2/2018	2.5	<0.023	<0.093	<4.70	<9.50	<48.0	<9.50	<48.0	<30.0
SS3	3/2/2018	1.5	<0.024	<0.097	<4.90	<9.40	<47.0	<9.40	<47.0	<30.0
SS4	3/2/2018	1.5	<0.024	<0.096	<4.80	<9.20	<46.0	<9.20	<46.0	91
~~SS5~~	~~3/2/2018~~	~~1.5~~	~~<0.023~~	~~<0.091~~	~~<4.60~~	~~<9.40~~	~~220~~	~~<9.40~~	~~220~~	~~**8,400**~~
SS5A	4/13/2018	6.0	<0.019	<0.077	<3.90	<9.70	<48.0	<9.70	<48.0	170
~~SS6~~	~~3/2/2018~~	~~1.5~~	~~<0.024~~	~~<0.097~~	~~<4.80~~	~~<10.0~~	~~<51.0~~	~~<10.0~~	~~<51.0~~	~~**8,300**~~
SS6A	4/13/2018	6.0	<0.082	<0.33	<16.0	<9.10	<46.0	<9.10	<46.0	120
~~SW01~~	~~4/24/2018~~	~~3.0~~	~~<0.00200~~	~~<0.00200~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~**11,500**~~
SW01A	7/6/2018	2.0	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	<4.99
~~SW02~~	~~4/24/2018~~	~~3.0~~	~~<0.00201~~	~~<0.00201~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~**11,700**~~
SW02A	7/6/2018	2.0	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	<14.9	<4.94
~~SW03~~	~~4/24/2018~~	~~4.0~~	~~<0.00201~~	~~<0.00201~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~<15.0~~	~~**7,270**~~
SW03A	7/6/2018	1.5	<0.00201	<0.00201	<15.0	18.0	<15.0	18.0	18.0	<4.95
SW04	4/24/2018	3.0	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	<15.0	**1,400**
SW04A	5/24/2023	0 - 4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	261
SW05	7/6/2018	3.0	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	10.6
SW06	7/6/2018	2.0	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	<15.0	<5.00
SW07	7/6/2018	2.0	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	<4.96
SW08	7/6/2018	2.0	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	<14.9	<4.98
FS02	7/6/2018	5.0	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	108
FS03	7/6/2018	6.0	<0.00201	<0.00201	<14.9	<14.9	<14.9	<14.9	<14.9	5.2
FS04	7/6/2018	3.5	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	8.53
FS05	7/6/2018	3.5	<0.00201	<0.00201	<15.0	<15.0	<15.0	<15.0	<15.0	<4.96

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

Grey text indicates 2018 soil sample location that was re-sampled in 2023.

ENSOLUM

APPENDIX A

Referenced Well Records

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04526 POD1	4	1	4	06	24S	30E	601899	3568060

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 05/14/2021 **Drill Finish Date:** 05/14/2021 **Plug Date:** 06/08/2021

Log File Date: 06/10/2021 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (MW-1)	n/a	C-4526

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy (Kyle Littrell)	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6401 Holiday Hill Dr.	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32°	14'	42.15"	N
	LONGITUDE	103°	55'	6.20"	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE
NW NE Sec. 06 T24S R30E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
05/14/2021	05/14/2021	temporary well material	105	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)
STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	105	±6.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4526	POD NO.	1	TRN NO.	692109
LOCATION	Exp1 24S.30E.6.414			WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	SAND, poorly graded, fine-very grained, Reddish-brown, dry	Y ✓ N	
4	12	8	CALICHE, poorly-mod. consolidated, tan-off white, dry	Y ✓ N	
12	19	7	SAND, poorly graded, fine-very grained, some caliche gravel, Tan ,dry	Y ✓ N	
19	24	5	SAND, poorly graded, fine-very grained, some caliche gravel, Light- Brown, dry	Y ✓ N	
24	72	48	SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
72	92	20	SAND, poorly graded, fine-very grained, some silt, Reddish Brown, moist	Y ✓ N	
92	102	10	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
102	105	3	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, dry	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

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: 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.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Carmelo Trevino, Cameron Pruitt

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:

Jack Atkins — Jackie D. Atkins — 06/09/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4526	POD NO. 1	TRN NO. 692109
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

OSE DIT JUN 10 2021 PM 2:47

ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
XTO Energy, Inc.
Poker Lake Unit #155
Incident Number nAB1807828569

Photograph: 1 Date: 5/18/2023
Description: View of historical release area.

Photograph: 2 Date: 5/24/2023
Description: View of historical release area.

Photograph: 3 Date: 5/24/2023
Description: View of historical release area.

ENSOLUM

APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 5/31/2023 1:04:46 PM

JOB DESCRIPTION

PLU 155 Flow line
SDG NUMBER 03C1558229

JOB NUMBER

890-4733-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

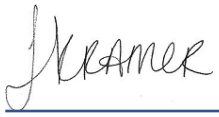
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
5/31/2023 1:04:46 PM

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

Client: Ensolum
Project/Site: PLU 155 Flow line

Laboratory Job ID: 890-4733-1
SDG: 03C1558229

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-4733-1
Project/Site: PLU 155 Flow line SDG: 03C1558229

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

Job ID: 890-4733-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4733-1

Receipt
The sample was received on 5/24/2023 2:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW04A (890-4733-1).

GC VOA
Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-54345 and analytical batch 880-54336 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-54318/5-A) and (MB 880-54345/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-54222 and analytical batch 880-54199 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-54222/2-A) and (LCSD 880-54222/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-4734-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-54199/20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-54199/31). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54142 and analytical batch 880-54298 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

Client Sample ID: SW04A

Date Collected: 05/24/23 11:55
Date Received: 05/24/23 14:00
Sample Depth: 0-4

Lab Sample ID: 890-4733-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		05/30/23 09:01	05/31/23 11:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:01	05/31/23 11:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:01	05/31/23 11:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/30/23 09:01	05/31/23 11:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:01	05/31/23 11:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/30/23 09:01	05/31/23 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/30/23 09:01*	*05/31/23 11:13*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/30/23 09:01*	*05/31/23 11:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/31/23 12:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/23 13:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/23 09:11	05/26/23 18:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 09:11	05/26/23 18:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 09:11	05/26/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/26/23 09:11*	*05/26/23 18:58*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/26/23 09:11*	*05/26/23 18:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**261**		4.96		mg/Kg			05/30/23 09:21	1

Surrogate Summary

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
890-4728-A-1-E MS	Matrix Spike	88	113										
890-4728-A-1-F MSD	Matrix Spike Duplicate	92	111										
890-4733-1	SW04A	103	102										
LCS 880-54345/1-A	Lab Control Sample	92	111										
LCSD 880-54345/2-A	Lab Control Sample Dup	89	107										
MB 880-54318/5-A	Method Blank	54 S1-	96										
MB 880-54345/5-A	Method Blank	55 S1-	96										

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-4733-1	SW04A	115	87										
890-4734-A-1-C MS	Matrix Spike	98	67 S1-										
890-4734-A-1-D MSD	Matrix Spike Duplicate	103	70										
LCS 880-54222/2-A	Lab Control Sample	86	65 S1-										
LCSD 880-54222/3-A	Lab Control Sample Dup	89	67 S1-										
MB 880-54222/1-A	Method Blank	188 S1+	150 S1+										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54318/5-A
Matrix: Solid
Analysis Batch: 54336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54318

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/23 12:55	05/30/23 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/23 12:55	05/30/23 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/23 12:55	05/30/23 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/27/23 12:55	05/30/23 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/23 12:55	05/30/23 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/23 12:55	05/30/23 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*	*S1-*	*70 - 130*	*05/27/23 12:55*	*05/30/23 12:05*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/27/23 12:55*	*05/30/23 12:05*	*1*

Lab Sample ID: MB 880-54345/5-A
Matrix: Solid
Analysis Batch: 54336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54345

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:01	05/31/23 01:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:01	05/31/23 01:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:01	05/31/23 01:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:01	05/31/23 01:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:01	05/31/23 01:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:01	05/31/23 01:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*	*S1-*	*70 - 130*	*05/30/23 09:01*	*05/31/23 01:49*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/30/23 09:01*	*05/31/23 01:49*	*1*

Lab Sample ID: LCS 880-54345/1-A
Matrix: Solid
Analysis Batch: 54336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54345

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1289		mg/Kg		129	70 - 130		
Toluene			0.100	0.1211		mg/Kg		121	70 - 130		
Ethylbenzene			0.100	0.1149		mg/Kg		115	70 - 130		
m-Xylene & p-Xylene			0.200	0.2242		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1116		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-54345/2-A
Matrix: Solid
Analysis Batch: 54336

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54345

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1316	*+	mg/Kg		132	70 - 130	2	35

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

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

Lab Sample ID: LCSD 880-54345/2-A
Matrix: Solid
Analysis Batch: 54336

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54345

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1240		mg/Kg		124	70 - 130	2	35
Ethylbenzene			0.100	0.1162		mg/Kg		116	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2264		mg/Kg		113	70 - 130	1	35
o-Xylene			0.100	0.1136		mg/Kg		114	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-4728-A-1-E MS
Matrix: Solid
Analysis Batch: 54336

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U *+	0.101	0.1069		mg/Kg		106	70 - 130
Toluene	<0.00198	U	0.101	0.09602		mg/Kg		95	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.09280		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1813		mg/Kg		90	70 - 130
o-Xylene	<0.00198	U	0.101	0.09137		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 890-4728-A-1-F MSD
Matrix: Solid
Analysis Batch: 54336

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 54345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U *+	0.0992	0.1168		mg/Kg		118	70 - 130	9	35
Toluene	<0.00198	U	0.0992	0.1067		mg/Kg		108	70 - 130	11	35
Ethylbenzene	<0.00198	U	0.0992	0.09612		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	<0.00396	U	0.198	0.1857		mg/Kg		94	70 - 130	2	35
o-Xylene	<0.00198	U	0.0992	0.09811		mg/Kg		99	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

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

Lab Sample ID: MB 880-54222/1-A
Matrix: Solid
Analysis Batch: 54199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54222

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/23 08:00	05/26/23 08:25	1

QC Sample Results

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

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

Lab Sample ID: MB 880-54222/1-A
Matrix: Solid
Analysis Batch: 54199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54222

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 08:00	05/26/23 08:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 08:00	05/26/23 08:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*188*	*S1+*	*70 - 130*	*05/26/23 08:00*	*05/26/23 08:25*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*05/26/23 08:00*	*05/26/23 08:25*	*1*

Lab Sample ID: LCS 880-54222/2-A
Matrix: Solid
Analysis Batch: 54199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54222

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	901.4		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	919.3		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*65*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-54222/3-A
Matrix: Solid
Analysis Batch: 54199

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54222

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	915.8		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	896.6		mg/Kg		90	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Lab Sample ID: 890-4734-A-1-C MS
Matrix: Solid
Analysis Batch: 54199

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	815.9		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	721.0		mg/Kg		71	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

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

Lab Sample ID: 890-4734-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54199 — **Prep Batch: 54222**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	841.2		mg/Kg		82	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	765.9		mg/Kg		75	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*70*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54142/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54298

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/26/23 20:09	1

Lab Sample ID: LCS 880-54142/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54298

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.5		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-54142/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54298

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	252.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-4735-A-11-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	332	F1	249	513.0	F1	mg/Kg		73	90 - 110		

Lab Sample ID: 890-4735-A-11-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54298

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	332	F1	249	513.1	F1	mg/Kg		73	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

GC VOA

Prep Batch: 54318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54318/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 54336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Total/NA	Solid	8021B	54345
MB 880-54318/5-A	Method Blank	Total/NA	Solid	8021B	54318
MB 880-54345/5-A	Method Blank	Total/NA	Solid	8021B	54345
LCS 880-54345/1-A	Lab Control Sample	Total/NA	Solid	8021B	54345
LCSD 880-54345/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54345
890-4728-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	54345
890-4728-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54345

Prep Batch: 54345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Total/NA	Solid	5035	
MB 880-54345/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54345/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54345/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4728-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-4728-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 54199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Total/NA	Solid	8015B NM	54222
MB 880-54222/1-A	Method Blank	Total/NA	Solid	8015B NM	54222
LCS 880-54222/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54222
LCSD 880-54222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54222
890-4734-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	54222
890-4734-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54222

Prep Batch: 54222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Total/NA	Solid	8015NM Prep	
MB 880-54222/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54222/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4734-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4734-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

HPLC/IC

Leach Batch: 54142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Soluble	Solid	DI Leach	
MB 880-54142/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54142/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54142/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4735-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4735-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 54298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4733-1	SW04A	Soluble	Solid	300.0	54142
MB 880-54142/1-A	Method Blank	Soluble	Solid	300.0	54142
LCS 880-54142/2-A	Lab Control Sample	Soluble	Solid	300.0	54142
LCSD 880-54142/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54142
890-4735-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	54142
890-4735-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	54142

Lab Chronicle

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

Client Sample ID: SW04A

Date Collected: 05/24/23 11:55
Date Received: 05/24/23 14:00

Lab Sample ID: 890-4733-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54345	05/30/23 09:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54336	05/31/23 11:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54496	05/31/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54409	05/30/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54222	05/26/23 09:11	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54199	05/26/23 18:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54142	05/25/23 10:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54298	05/30/23 09:21	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 155 Flow line

Job ID: 890-4733-1
SDG: 03C1558229

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4733-1	SW04A	Solid	05/24/23 11:55	05/24/23 14:00	0-4

Chain of Custody

eurofins | Environment Testing Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Tacoma Morrissey	Bill to: (if different)	Garrett Green
Company Name:	Ensolum	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Green St.
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	303-887-2946	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	PLU 155 Flow line	Turn Around	☑ Routine ☐ Rush
Project Number:	03C1558229	Due Date:	5 day
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Connor Whitman		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TDM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0
Total Containers:		Corrected Temperature:	2.8

ANALYSIS REQUEST

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 3000.0)	TPH (8015)	BTEX (8021)
SW04A	S	5/24/23	1155	0-4	C	1		✓	✓	✓

890-4733 Chain of Custody

Sample Comments

Incident ID: nAB1807828569
Cost Center:
AFE:

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1					
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-4733-1
SDG Number: 03C1558229

Login Number: 4733
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-4733-1
SDG Number: 03C1558229

Login Number: 4733
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 05/26/23 11:41 AM

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

ENSOLUM

APPENDIX D

NMOCD Notifications

From: Collins, Melanie
To: Tacoma Morrissey; Ashley Ager
Cc: Green, Garrett J
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 200046
Date: Tuesday, April 11, 2023 3:42:26 PM

[**EXTERNAL EMAIL**]

Denial of 2/19/18 PLU 155 - report due 6/30/23.

From: Green, Garrett J <garrett.green@exxonmobil.com>
Sent: Tuesday, April 11, 2023 10:18 AM
To: Collins, Melanie <melanie.collins@exxonmobil.com>
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 200046

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, March 24, 2023 8:47 AM
To: Green, Garrett J <garrett.green@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 200046

External Email - Think Before You Click

To whom it may concern (c/o Garrett Green for XTO PERMIAN OPERATING LLC.),

The OCD has rejected the submitted *Internal Manual Incident File Supporting Documentation (ENV)* (IM-BNF), for incident ID (n#) nAB1807828569,
for the following reasons:

- **SW04 exceeds closure criteria. The release is subject to 19.15.29.13 D NMAC.**
- **Submit a report via the OCD permitting portal by 6/30/2023.**

The rejected IM-BNF can be found in the OCD Online: Permitting - Action Status, under the Application ID: 200046.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional IM-BNF.

Thank you,
Ashley Maxwell
Projects Environmental Specialist - A
505-635-5000
Ashley.Maxwell@emnrd.nm.gov

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

CONDITIONS

Action 232287

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 232287
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	6/26/2023