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 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	nAB1506932197
District RP	2RP-2873
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Shelby Pennington	Contact Telephone: 281-723-9353
Contact email: shelby.pennington@exxonmobil.com	Incident #: nAB1506932197 (2RP-2873)
Contact mailing address: 6401 Holiday Hill Rd Bldg 5, Midland, Texas, 79707	

Location of Release Source

Latitude: 32.219293 Longitude: -103 .908903
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: PLU-59 Dog Town Comp. & Tk Btry. The site is on the PLU-49 well pad	Site Type: Well Production Facility
Date Release Discovered: 3/4/2015	API# *(if applicable):* 30-015-24196

Unit Letter	Section	Township	Range	County
E	17	24S	30E	Eddy

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

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): 54	Volume Recovered (bbls): 51
☒ Produced Water	Volume Released (bbls): 213	Volume Recovered (bbls): 191
	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
The 210 bbl tank at the compressor site overflowed, the zero-perm containment had a small, damaged area allowing the oil and water to escape onto the well pad. The cause of the overflow is under investigation, there were truck tracks around the truck load line indicating that there may have been an unauthorized unload of produced water into the tanks. Production records indicate that the tank had 2 ft. in it prior to the discovery. The spill impacted approximately 6,000 sq.ft. of caliche pad area.

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State of New Mexico
Oil Conservation Division

Incident ID	nAB1506932197
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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? Release volume was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By Tony Savoie to Heather Patterson on 3/4/2015 at 2:59 PM.	

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:
N/A

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: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 9-22-2021

email: adrian.baker@exxonmobil.com Telephone: 432-236-3808

OCD Only

Received by: Date:

Incident ID	nAB1506932197
District RP	2RP-2873
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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.

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State of New Mexico
Oil Conservation Division

Incident ID	nAB1506932197
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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: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 9-22-2021

email: adrian.baker@exxonmobil.com Telephone: 432-236-3808

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

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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: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 9-22-2021

email: adrian.baker@exxonmobil.com Telephone: 432-236-3808

OCD Only

Received by: OCD Date: 11/5/2021

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: Ashley Maxwell Date: 12/21/2022

Printed Name: Ashley Maxwell Title: Environmental Specialist

HydroChemPSC

Remediation Closure Report

Poker Lake Unit #049
Eddy County, New Mexico
Section 17, Township 24S South, Range 30 East
Latitude 32.219293° North, Longitude 103.908903 ° West

May 31, 2019

Prepared for:

XTO Environmental Management

Regulatory Distribution:
Bradford Billings- NMOCD bradford.billings@state.nm.us
Mike Bratcher- NMOCD mike.bratcher@state.nm.us
Jim Amos- BLM jamos@blm.gov
Crystal Weaver- BLM caweaver@blm.gov
Deborah McKinney- BLM dmckinne@blm.gov

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Introduction

The purpose of this Remediation Closure Report is to provide an outline of the procedures utilized by HydroChemPSC to perform restoration of areas contaminated by the hydrocarbon releases at the **XTO Energy-Poker Lake Unit #049 (Actual Facility PLU-#059 site)**.

The Operator XTO Energy reported the release on **3/4/15** utilizing OCD reporting form C-141 (**RP Reference #2RP-2873**). References to the incident is identified within the report**.** This report details the requirements and actions taken to sample and remediate for hydrocarbon releases reported and ensure the impacted soils/property meet the no further action for releasing as defined by the New Mexico Oil Conservation Division (NMOCD). The information was used as a general guide for all federal, state and fee lands when remediating contaminants resulting from leaks, spills and releases of oilfield wastes or products.

The NMOCD requires that corrective actions be taken for leaks, spills or releases of any material which has a reasonable probability or be detrimental to public health, fresh waters, animal or plant life, or property or unreasonably interfere with the public welfare or use of the property. The guidelines were followed to provide direction for remediation of soils contaminated. Specific constituents and/or requirements for soil and ground water analysis and/or remediation may vary depending on site specific conditions. Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release.

***Note:** **None of the fluid release events depicted in the report traversed, leached or flowed offsite exiting the original well site lease location.**

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Site Specific Information:

- Company-**XTO Energy (former Bopco, LP site)**
- Field-**Poker Lake**
- Lease- **Poker Lake Unit #049 (Ref: Facility PLU #059 Dog Town Compressor)**
- County-**Eddy**
- API No.- **30-015-24196**
- Section- **17**
- Township- **24S**
- Surface/Mineral Owner- **Federal**
- Lat/Long- **32.219293 N -103.908903**
- OCD Notification #- **2RP-2873**
- Date of Loss Occurrence- **3/4/15**
- Reported Type of Released-**Crude Oil/Produced Water**
- Total Fluid Loss Volume Reported-**54 Barrels Crude/213 Produced Water**
- Recovered Volume Reported-**242 Communitive Barrels**
- Contaminated Soil Recovered Upon Completion **~180 cubic yards**

Aerial Reference

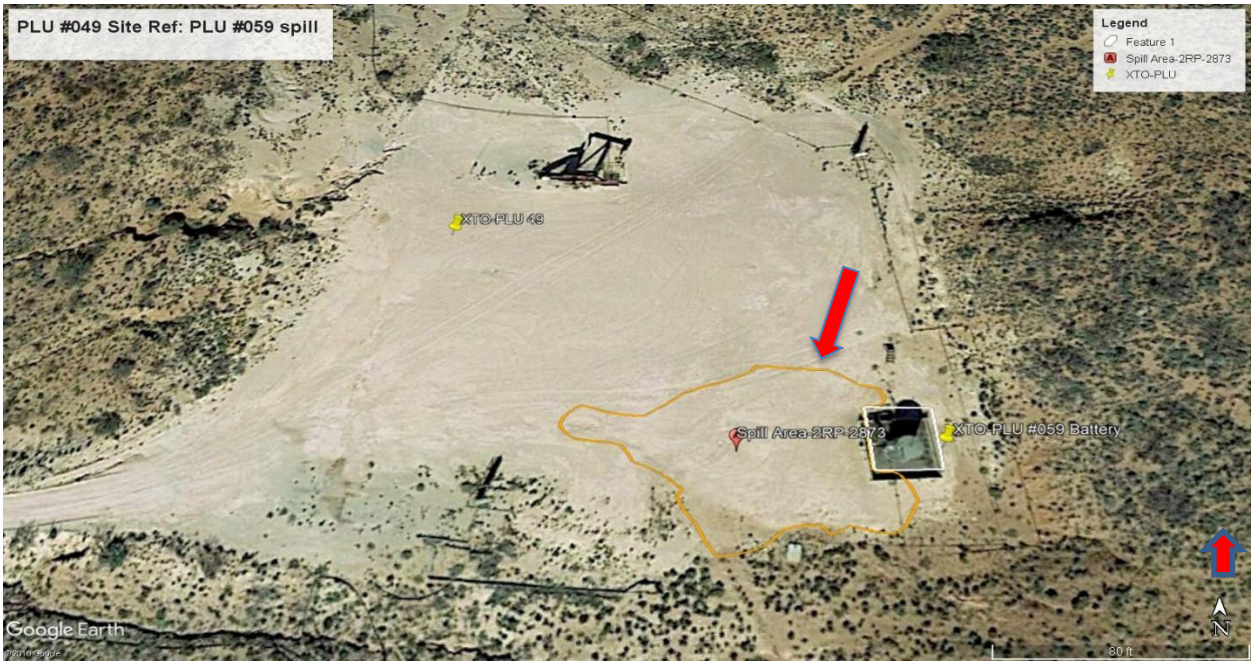

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Photo Illustrations of Remediation Event

Site Preparation

Field operations office and break areas were set up in an area where field activities could be monitored and remediation procedures could be positively controlled. A waste staging area was setup and established for waste preparation, loading and transportation to disposal. Labor and Equipment necessary to perform the remediation project was assembled and mobilized following the authorization to proceed. Equipment was delivered to the site and set up for field operations. The specific layout of equipment was determined in the field after equipment mobilization to the site.

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Summarized Project Activities

- Performed Pre-Project Meeting.
- Notification with XTO Energy prior to executing.
- Identification of Pipe Lines prior to executing project. (One Call Notification).
- Site Preparation.
- Excavation/Remediation of Contaminated Soils.
- Final sampling notification to NMOCD and BLM.
- Transportation of Contaminated Soils.
- Post-Project Sampling Analysis.
- Photo Gallery Recap.

Soil Sampling Procedures for Laboratory Analysis

All soil sampling for laboratory analysis was conducted according to NMOCD approved industry standards or other NMOCD-approved procedures. Accepted NMOCD soil sampling procedures and laboratory analytical methods are as follows:

- Collect samples in clean, air-tight glass jars supplied by the laboratory which will conduct the analysis.
- Samples were labeled with a unique code for each.
- Samples were packed cold or on ice.
- Promptly shipped to the lab for analysis following chain of custody procedures.
- All samples were analyzed within the holding times for the laboratory analytical methods specified by EPA.

Soil Analytical Methods

All soil samples were analyzed using EPA methods, or by other NMOCD approved methods. Below are laboratory analytical methods accepted by NMOCD for analysis of soil samples analyzed for petroleum related constituents.

- Chlorides- EPA 300 Method
- Benzene, toluene, ethylbenzene and xylene -EPA Method 602/8020.
- Total Petroleum Hydrocarbons -EPA Method 418.1, or; EPA Method Modified 8015.

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Goals for Soil Characterization

1) Determination of the lateral and vertical extents along with the magnitude of soil contamination.
2) Determine if groundwater or surface waters have been impacted.
3) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). Vertical & Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination was characterized to the following release concentrations:

   - Benzene <10 mg/kg.
   - Total BTEX <50 mg/kg.
   - TPH <100 mg/kg.
   - Chlorides< 600 mg/kg.

Achievement Goals for Soil Remediation

When RCRA exempt or RCRA nonhazardous petroleum contaminated soil requires remediation, it will be remediated and managed according to the criteria described below or by other NMOCD approved procedures which will remove, treat, or isolate contaminants in order to protect fresh waters, public health and the environment. Highly contaminated/saturated soils and unsaturated contaminated soils exceeding the standards described should be either:

1 Excavated from the ground until a representative sample from the walls and bottom of the excavation is below the contaminant specific remediation level or an alternate approved remediation level.
2 Excavated to the required depth and horizontal extent practicable. Upon reaching this limit samples will be taken from the walls and bottom of the excavation to determine the remaining levels of soil contaminants. Further excavation may be required.
3 Treatment of soil in place was not be performed for remediation or reclamation projects.
4 All contaminated soils were transported offsite to an approved disposal facility and documented.

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Summary of Soil Remediation Activities

Following the initial spill assessment of the site on November 20, 2018; A preliminary sampling event was performed on 11/27/2018. Only exceeded levels of chlorides was observed in the lab analytical report based on a 3 panel BTEX, TPH and Chlorides analysis summary. Heavy equipment was mobilized in on December 2, 2018 and used to excavate all contaminated soils. Soils in the impacted area were excavated from 1" to 36" depths. The overall excavated area was 102'X55'X3'. Actual contaminated soil removed from the site for disposal was ~180 cubic yards. The reference area is identified on the included site excavation mapping within the report. On 12/5/18 a total of 6 samples was extracted for laboratory analysis; the sampling event references areas depicted in the illustrated mapping included within the report referencing OCD Notification **2RP-2873**. Final laboratory analytical results for TPH/BTEX and EPA 300 Chloride contents indicated all samples were below the regulatory action levels established by the NMOCD.

Grab and Composite samples from the summary above were collected from the remediated areas in reference to the sampling event and analyzed at a laboratory for Total Petroleum Hydrocarbons (TPH), Chlorides, BTEX and Benzene using NMOCD approved methods. A final level of acceptance for release was achieved through laboratory analysis. All original sampling data reference has been submitted.

Volume of contaminated soil excavated for the project in its entirety was ~**180** cubic yards. Impacted soil was temporarily stockpiled prior to load-out then transported offsite from the location to an approved disposal site (**R-360 Environmental**). While derived methods were used in the practical course of remediation, release criteria for the site were based on field data for release by confirmed laboratory measurements.

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Sampling Release Table

Reference 2RP-2873

Analysis Certificate #607381 12/5/18

SAMPLE LOCATIONS	SAMPLE DEPTH	SAMPLE DATE	SOIL STAUTS	METHOD: EPA 8021B					METHOD: 8015M			TOTAL TPH	EPA 300	Comments
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	EHTYL-BENZENE	TOTAL XYLENES	TOTAL BETEX	GRO C_6-C_{12}	DRO C_{12}-C_{28}	MRO C_{28}-C_{35}	C_6-C_{35} (mg/Kg)	CHLORIDE (mg/Kg)	
#001 S-Grab 1 release	0"-24"	12/5/2018	Dry	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	16.2	Pass
#002 S.W Grab 2 release	0"-24"	12/5/2018	Dry	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	353	Pass
#003 S. Composite 3 release	0"-24"	12/5/2018	Dry	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	417	Pass
#004 S.W Grab 1 release	0"-24"	12/5/2018	Dry	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	61.8	Pass
#005 S.E Composite 2 release	0"-24"	12/5/2018	Dry	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	521	Pass
#006 South Grab 1 release	0"-24"	12/5/2018	Dry	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<15.0	<15.0	<15.0	<15.0	156	Pass
NMOCD Criteria				<10mg/kg				<50mg/kg				<100mg/kg	<600mg/kg	

Location and Sampling Points

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Appendices

Appendix A – Certificate of Laboratory Analysis Release Report #607381 12/5/18

Appendix B – NMOCD C-141 Notification 2RP-2873

- Attachments of the original appendix documents has been included and submitted with the final closure request.

Final View of Location

Northeast View Towards Tank

Southwest View from Tank

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Post Remedial Closure Summary

Following Remediation, this final summary report was prepared to document the project in its entirety for **XTO Energy** to submit a no further action release request to the New Mexico Oil Conservation Division (NMOCD). Additional submittal may be requested by the Bureau of Land Management (BLM). This final closure report documents the execution of the remedial services performed. An aerial map illustrates the area affected by the spill occurrence; locations of remedial sampling to delineate the impacts, and sampling locations to confirm successful remediation. Areas of contamination identified in the analytical process were vertically and horizontally delineated. Post-remediation sampling data indicates the site meets compliance with NMOCD standards and confirms no remaining soils exceeds elevated contamination levels. **Note:** No onsite bioremediation or other methods i.e. soil blending/mixing was performed on the project. Contaminated soil was transported offsite to an approved permitted landfill for disposal. Topsoil media was dressed, and dozer bladed for resurfacing of the site upon completion.

This closure report includes a summary of the remediation performed, onsite activities, analytical data and pertinent project documentation. Additional Reclamation services was performed to return the site back to its original state. Original project file reports/copies and backups have been submitted to XTO Energy Environmental Management.

HydroChemPSC recommends XTO Energy provide the NMOCD District Office and the BLM a copy of this Remediation Summary & Site Closure Request. HydroChemPSC on behalf of XTO Energy request closure of the RP file **2RP-2873** associated with the spill notification.

District I
1625 N. French Dr., Hobbs, NM 88240
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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 60414

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 60414
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	12/21/2022