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-144
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

14286

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

OIL CONS. DIV DIST. 3

MAY 05 2016

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: XTO Energy, Inc. OGRID #: 5380
Address: 382 Road 3100, Aztec, New Mexico 87410
Facility or well name: Federal Gas Com 1 #1C
API Number: 30-045-30144 OCD Permit Number:
U/L or Qtr/Qtr D Section 20 Township 32N Range 12W County: San Juan
Center of Proposed Design: Latitude 36.97571 Longitude -108.12412 NAD: ☐1927 ☒ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 120 bbl Type of fluid: Produced Water
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other Visable sidewalls, vaulted,automatic high-level shut off
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☒ Alternate. Please specify: Four foot height, steel mesh field fence (hogwire) with pipe top railing

52

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☒ Other: Expanded metal or solid vaulted top

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kurt Hoekstra Title: EHS Coordinator

Signature: Kurt Hoekstra Date: 4-19-2016

e-mail address: Telephone:

18.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: **Approval Date:** 5/9/16

Title: Environmental Spec **OCD Permit Number:**

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** 2-17-16

20.
Closure Method:

☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☒ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☒ Re-vegetation Application Rates and Seeding Technique

☒ Site Reclamation (Photo Documentation)
On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐1927 ☐ 1983

22.
Operator Closure Certification:
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Kurt Hoekstra Title: EHS Coordinator

Signature: Kurt Hoekstra Date: 4-19-2016

e-mail address: Kurt_Hoekstra@xtoenergy.com Telephone: 505-333-3100

OIL CONS. DIV DIST. 3

MAY 05 2016

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1625 N. French Dr., Hobbs, NM 88240
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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 August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: XTO Energy, Inc.	Contact: Rex Farnsworth
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Federal Gas Com 1 #1C	Facility Type: Gas Well (Blanco Mesaverde)

Surface Owner: Federal	Mineral Owner	API No.: 30-045-30144

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	20	32N	12W	1060	FNL	660	FWL	San Juan

Latitude 36.976050 **Longitude** -108.124597

NATURE OF RELEASE

Type of Release: Produced Oil / Produced Water	Volume of Release: 180 BBL's	Volume Recovered: 70 BBL's
Source of Release: Production Tank	Date and Hour of Occurrence: 12/30/2015 Time: Unknown	Date and Hour of Discovery: 12-30-2015 12:25pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Cory Smith (NMOCD)	
By Whom? James McDaniel (EHS Supervisor XTO Energy)	Date and Hour: 12-30-2015 4:30 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Wednesday, 12-30-2015 an XTO Foreman found the steel production tank on the Federal Gas Com 1#1C location leaking from the load line valve . The XTO Foreman determined by the ending gauge of the tank that approximately 180 barrels of total fluid, 20 barrels of produced water and 160 barrels of produced oil has been released. The spill was contained within the berm and never left location. The XTO Foreman then called Triple S Trucking to help aid with product recovery and notified EH&S. The Foreman was able to recover approximately 70 barrels of produced fluid. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 20 due to an estimated depth to groundwater of 50 to 100 feet and an arroyo less than 1000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken. *A release has been confirmed based a broken load line valve on the production tank and the loss of 110 barrels of fluid that was not recovered. Clean-up is still ongoing. The below grade tank was closed due to this release, no initial samples were taken, closure samples below the pit tank area are included with the final C-141.

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 "Initial 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:	OIL CONSERVATION DIVISION	
Printed Name: Kurt Hoekstra	Approved by Environmental Specialist:	
Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 4-19-2016 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

NCS 1536539728

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE

ANALYTICAL REPORT

January 07, 2016

myESC
REAL TIME DATA ACCESS

XTO Energy - San Juan Division

Sample Delivery Group:	L810213
Samples Received:	01/06/2016
Project Number:	
Description:	Federal Gas Com 1-1C

Report To:

Logan Hixon
382 County Road 3100
Aztec, NM 87410

Entire Report Reviewed By:

Daphne R Richards

Daphne Richards
Technical Service Representative

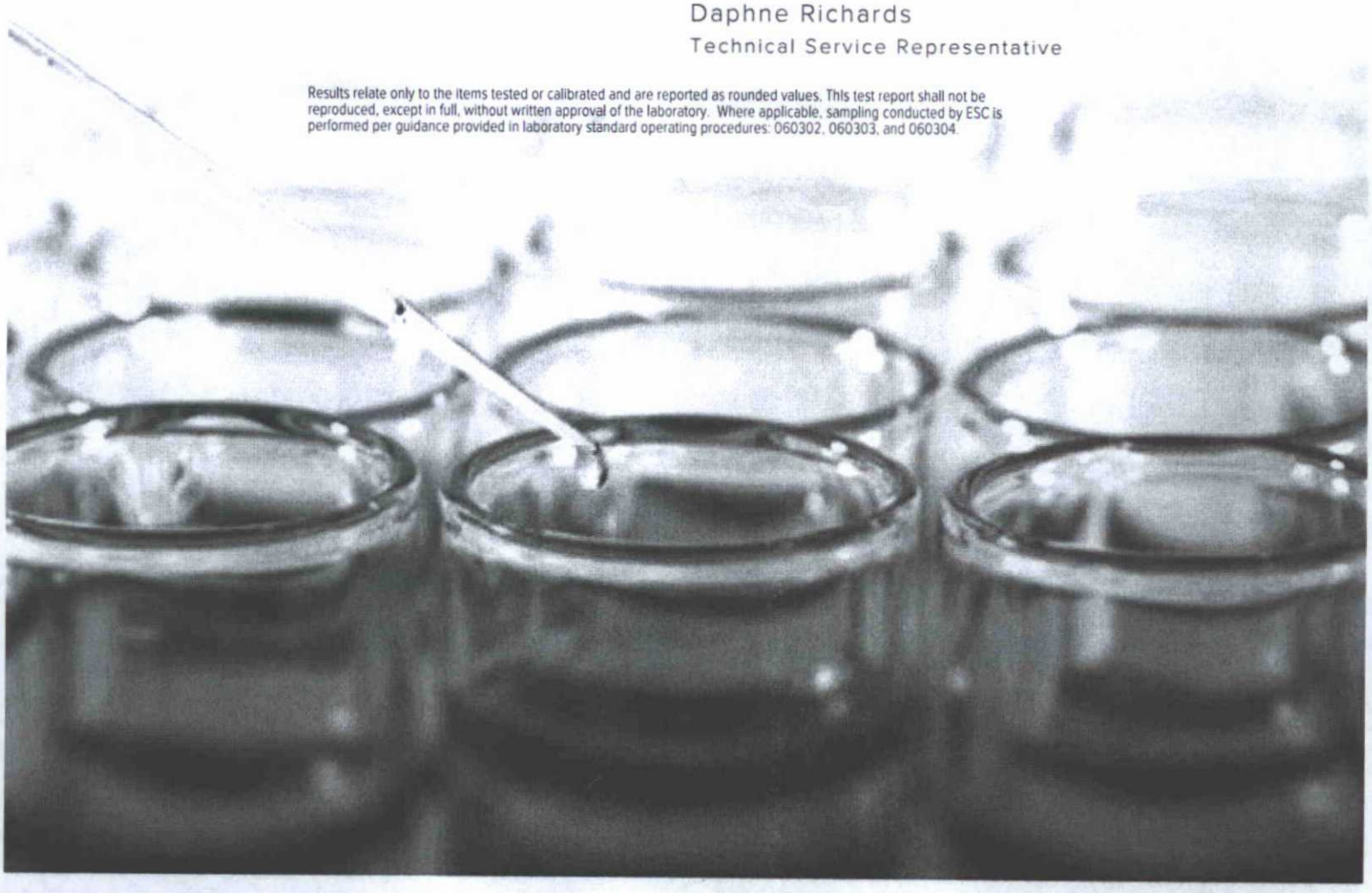

TABLE OF CONTENTS

SAMPLE SUMMARY

BGT CELLAR L810213-01 Solid

Collected by: Logan Hixon
Collected date/time: 01/02/16 08:45
Received date/time: 01/06/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method 3546/DRO	WG840454	20	01/06/16 15:12	01/06/16 23:18	CLG
Total Solids by Method 2540 G-2011	WG840511	1	01/06/16 16:37	01/06/16 16:47	KDW
Volatile Organic Compounds (GC) by Method 8015/8021	WG840348	100	01/07/16 08:53	01/07/16 13:55	BMB
Wet Chemistry by Method 9056A	WG840200	1	01/06/16 13:15	01/06/16 16:26	CM

SPILL AREA 0-6IN L810213-02 Solid

Collected by: Logan Hixon
Collected date/time: 01/02/16 08:45
Received date/time: 01/06/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method 3546/DRO	WG840454	1	01/06/16 15:12	01/06/16 23:07	AAT
Total Solids by Method 2540 G-2011	WG840511	1	01/06/16 16:37	01/06/16 16:47	KDW
Volatile Organic Compounds (GC) by Method 8015/8021	WG840348	100	01/07/16 08:53	01/07/16 14:16	BMB

CASE NARRATIVE

ONE LAB. NATIONWIDE.

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne R Richards

Daphne Richards
Technical Service Representative

Cp
2 Tc
3 Ss
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	86.2		1	01/06/2016 16:47	WG840511

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Chloride	57.5		11.6	1	01/06/2016 16:26	WG840200

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Benzene	2.08		0.0580	100	01/07/2016 13:55	WG840348
Toluene	17.3		0.580	100	01/07/2016 13:55	WG840348
Ethylbenzene	5.36		0.0580	100	01/07/2016 13:55	WG840348
Total Xylene	72.4	V	0.174	100	01/07/2016 13:55	WG840348
TPH (GC/FID) Low Fraction	1580	E	11.6	100	01/07/2016 13:55	WG840348
(S) a,a,a-Trifluorotoluene(FID)	*92.7*		*59.0-128*		*01/07/2016 13:55*	WG840348
(S) a,a,a-Trifluorotoluene(PID)	*98.1*		*54.0-144*		*01/07/2016 13:55*	WG840348

Semi-Volatile Organic Compounds (GC) by Method 3546/DRO

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
TPH (GC/FID) High Fraction	1620		92.8	20	01/06/2016 23:18	WG840454
(S) o-Terphenyl	*115*	J7	*50.0-150*		*01/06/2016 23:18*	WG840454

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	01/06/2016 16:47	WG840511

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.177		0.0595	100	01/07/2016 14:16	WG840348
Toluene	ND		0.595	100	01/07/2016 14:16	WG840348
Ethylbenzene	0.649		0.0595	100	01/07/2016 14:16	WG840348
Total Xylene	13.9		0.179	100	01/07/2016 14:16	WG840348
TPH (GC/FID) Low Fraction	400		11.9	100	01/07/2016 14:16	WG840348
(S) a,a,a-Trifluorotoluene(FID)	*97.4*		*59.0-128*		*01/07/2016 14:16*	WG840348
(S) a,a,a-Trifluorotoluene(PID)	*102*		*54.0-144*		*01/07/2016 14:16*	WG840348

Semi-Volatile Organic Compounds (GC) by Method 3546/DRO

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	121		4.76	1	01/06/2016 23:07	WG840454
(S) o-Terphenyl	*82.3*		*50.0-150*		*01/06/2016 23:07*	WG840454

WG840511

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

L810213-01,02

Method Blank (MB)

(MB) 01/06/16 16:47

Analyte	MB Result %	MB Qualifier	MB RDL %
Total Solids	0.00130		

L810213-02 Original Sample (OS) • Duplicate (DUP)

(OS) 01/06/16 16:47 • (DUP) 01/06/16 16:47

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.0	88.1	1	4.80		5

Laboratory Control Sample (LCS)

(LCS) 01/06/16 16:47

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

WG840200

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L810213-01

Method Blank (MB)

(MB) 01/06/16 14:32

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Chloride	ND		10.0

L810003-01 Original Sample (OS) • Duplicate (DUP)

(OS) 01/06/16 17:35 • (DUP) 01/06/16 17:58

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	291	292	1	0		15

L810003-11 Original Sample (OS) • Duplicate (DUP)

(OS) 01/06/16 23:19 • (DUP) 01/06/16 23:42

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	338	333	1	1		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 01/06/16 14:55 • (LCSD) 01/06/16 15:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %
Chloride	200	202	200	101	100	80-120			1

L810003-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/06/16 18:21 • (MS) 01/06/16 18:44 • (MSD) 01/06/16 19:07

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	500	944	1440	1430	100	97	1	80-120	

WG840348

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

L810213-01,02

Method Blank (MB)

(MB) 01/07/16 12:22

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Benzene	ND		0.000500
Toluene	ND		0.00500
Ethylbenzene	ND		0.000500
Total Xylene	ND		0.00150
TPH (GC/FID) Low Fraction	ND		0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.6*		*59.0-128*
(S) a,a,a-Trifluorotoluene(PID)	*102*		*54.0-144*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 01/07/16 10:37 • (LCSD) 01/07/16 10:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %
Benzene	0.0500	0.0479	0.0478	95.8	95.7	70.0-130			0.0900
Toluene	0.0500	0.0514	0.0512	103	102	70.0-130			0.290
Ethylbenzene	0.0500	0.0516	0.0516	103	103	70.0-130			0.130
Total Xylene	0.150	0.162	0.162	108	108	70.0-130			0.0100
(S) a,a,a-Trifluorotoluene(FID)				*99.0*	*99.1*	*59.0-128*			
(S) a,a,a-Trifluorotoluene(PID)				*102*	*102*	*54.0-144*			

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 01/07/16 11:19 • (LCSD) 01/07/16 11:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %
TPH (GC/FID) Low Fraction	5.50	5.90	5.88	107	107	63.5-137			0.350
(S) a,a,a-Trifluorotoluene(FID)				*100*	*100*	*59.0-128*			
(S) a,a,a-Trifluorotoluene(PID)				*105*	*105*	*54.0-144*			

L810213-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/07/16 13:55 • (MS) 01/07/16 14:37 • (MSD) 01/07/16 14:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	!
Benzene	0.0500	1.80	6.49	6.19	93.8	87.8	100	49.7-127		

WG840348

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

L810213-01,02

L810213-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/07/16 13:55 • (MS) 01/07/16 14:37 • (MSD) 01/07/16 14:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier
Toluene	0.0500	14.9	19.9	18.7	100	76.1	100	49.8-132	
Ethylbenzene	0.0500	4.62	9.92	9.46	106	96.8	100	40.8-141	
Total Xylene	0.150	62.4	70.3	66.7	52.6	28.4	100	41.2-140	V
(S) a,a,a-Trifluorotoluene(FID)					*93.6*	*94.0*		*59.0-128*	
(S) a,a,a-Trifluorotoluene(PID)					*97.4*	*97.3*		*54.0-144*	

L810213-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/07/16 13:55 • (MS) 01/07/16 15:19 • (MSD) 01/07/16 15:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier
TPH (GC/FID) Low Fraction	5.50	1360	1680	1720	57.7	64.6	100	28.5-138	
(S) a,a,a-Trifluorotoluene(FID)					*98.8*	*98.4*		*59.0-128*	
(S) a,a,a-Trifluorotoluene(PID)					*102*	*102*		*54.0-144*	

WG840454

Semi-Volatile Organic Compounds (GC) by Method 3546/DRO

QUALITY CONTROL SUMMARY

L810213-01,02

Method Blank (MB)

(MB) 01/06/16 19:35

Analyte	MB Result	MB Qualifier	MB RDL
	mg/kg		mg/kg
TPH (GC/FID) High Fraction	ND		4.00
(S) o-Terphenyl	*67.5*		*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 01/06/16 19:46 • (LCSD) 01/06/16 19:57

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD
	mg/kg	mg/kg	mg/kg	%	%	%			%
TPH (GC/FID) High Fraction	60.0	42.6	39.7	71.0	66.2	50.0-150			6.96
(S) o-Terphenyl				*77.3*	*70.0*	*50.0-150*			

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [14]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**

XTO ENERGY
Western Division

	Quote Number	Page 1 of 1
	XTO Contact	XTO Contact Phone # 505-586-8018
	Email Results to: James, Kurt, Otto, Rex, Logan	
Well Site/Location: Federal Gas Com 1-1E	API Number	Saturday Delivery (Y (N))
Collected By: Logan Hixon	Samples on Ice (Y/N)	Turnaround: ___ Standard; X Next Day; ___ Two Day; ___ Three Day; ___ Same Day; Date Needed ___
Company: XTO	Test Reason: Release	
Signature	Gray Areas for Lab Use Only!	

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Analysis/Contai: Chlorides	8021 (BTEX)	8015 (DRO/GRO)
Bgt cellar	Bgt Cellar	S	1-2-16	0845	cool	1-4oz	X	X	X
Spill area 0-6"	Spill Area 0-6"	S	1-2-16	0830	cool	1-4oz			

Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mu

	Date:	Time:	
Relinquished By: (Signature)	1-4-16	13:00	Received By: (Signature)
Relinquished By: (Signature)	Date:	Time:	6127 6739 3807
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)

Comments

* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

XTO Energy Inc.
San Juan Basin
Below Grade Tank
Closure Report

Lease Name: **Federal Gas Com 1 # 1C**
API No.: **30-045-30144**
Description: **Unit D, Section 20, Township 32N, Range 12W, San Juan County**

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

General Plan

1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
   Closure Date is 2-17-2016

2. XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
   Closure Date is 2-17-2016

3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
   Required C-144 Form is attached to this document.

4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:
   Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B
   Soil contaminated by exempt petroleum hydrocarbons
   Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
   Basin Disposal Permit No. NM01-005
   Produced water
   All liquids and sludge were removed from the tank prior to closure activities.

5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

   XTO will re-use below grade tank.

6. XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.

All equipment will remain on location for the continued production of oil and gas.

7. XTO will test the soils beneath the below-grade tank to determine whether a release has occurred. At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. XTO will notify the division of its results on form C-141.

A composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	**2.08 mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**97.14 mg/kg**
TPH	EPA 8015M	100	**3200 mg/kg**
Chloride		250	**57.5 mg/kg**

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
A release has been confirmed for this location.

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.
The pit cellar excavation was backfilled using compacted, non-waste containing earthen material, and a new pit tank was re-installed in the upgraded cellar. .

10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally.
The notification will include the following:
    i. Operator's name
    ii. Well Name and API Number
    iii. Location by Unit Letter, Section, Township, and Range

Notification was provided to Mr. Cory Smith with the Aztec office of the OCD via email on December 31st, 2015; see attached email printout.

The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.
The surface owner was notified on December 31st; Email has been approved as a means of surface owner notification to the BLM by Brandon Powell, NMOCD Aztec Office.

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
The location will be recontoured to match the above specifications when the well is P & A'd.

12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
The site has been backfilled to match these specifications.

13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.
The location will be reclaimed pursuant to OCD/BLM specifications upon P&A

14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
    i. Proof of closure notice to division and surface owner; **attached**
    ii. Details on capping and covering, where applicable; **per OCD/BLM Specifications**
    iii. Inspection reports; **attached**
    iv. Confirmation sampling analytical results; **attached**
    v. Disposal facility name(s) and permit number(s); **see above**
    vi. Soil backfilling and cover installation; **per OCD/BLM Specifications**
    vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **per OCD/BLM specifications**
    viii. Photo documentation of the site reclamation. **attached**

Hoekstra, Kurt

From: Farnsworth, Rex
Sent: Thursday, December 31, 2015 8:21 AM
To: Smith, Cory, EMNRD
Cc: 'Katherina Diemer'; McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan (Logan_Hixon@xtoenergy.com); Hoekstra, Kurt (Kurt_Hoekstra@xtoenergy.com); Durham, Ken (Ken_Durham@xtoenergy.com)
Subject: Federal Gas Com 1 #1C

Cory,

As discussed on the phone, 2015-12-30, a release occurred at the **Federal Gas Com 1 #1C** well site **(30-045-30144)** Located in **Section 20 (D), Township 32N, and Range 12W**. The release occurred at a load line valve on the production tank. The site has been ranked a 20 due to an estimated depth to ground water between 50-100 feet and a drainage approximately less than a 1000 feet. Approximately one hundred eighty (180) barrels of total fluid was released with approximately twenty (20) barrels of the total fluid being comprised of produced water and approximately one hundred sixty (160) barrels of fluid being comprised of produced oil. Approximately seventy barrels (70) of fluid was recovered. All fluid were contained inside of secondary containment and did not go off site. Sampling will occur within 72 hours from today. December 31, 2015. All samples will be lab analyzed via USEPA Method 8015 (DRO & GRO), 8021 (BTEX) and chlorides.

Further communication will continues with the receiving of lab analysis results from samples collected.

If you have any questions, please do not hesitate to contact us at any time.

Rex Farnsworth
XTO Energy Inc.
San Juan District
Western Division
382 Road 3100
Aztec, NM 87410
Office : (505) 333-3100
Direct : (505) 333-3117
Cell : (505) 787-0643
Rex_Farnsworth@xtoenergy.com

An **ExxonMobil** Subsidiary

January 27, 2015

Mr. Cory Smith
Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, New Mexico 87410

Email: cory.smith@state.nm.us
Phone (505) 334-6178 Ext 115

RE: VARIANCE REQUEST FOR 19.15.17 NMAC TABLE I AND TABLE II

Mr. Smith,

Please accept this letter as a variance request as outlined in 19.15.17.15(A) NMAC. XTO Energy would like to request the replacement of USEPA Method 418.1 for the analysis of Total Petroleum Hydrocarbons (TPH) for USEPA Method 8015M, measuring carbon ranges C6-C36, for all sampling associated with closures and confirmations samples in relation to 19.15.17 NMAC, both in Table I and Table II (2103) and the 'pit rule' passed in 2008.

XTO Energy is requesting this variance on the grounds that USEPA Method 418.1 is an outdated analytical method that reports a full range of hydrocarbons from C_8 through C_{40}. (*Reference: American Petroleum Institute*). The attached table demonstrates the carbon ranges, and the typical hydrocarbon products that can be found in those ranges. As you can see, lube oil ranges from C_{28}-C_{35}. Analytical Method USEPA 418.1 extends past lube oils from C_{35} through C_{40}. This range of hydrocarbons is above the range that can reasonably be expected to be found in our field in both drilling pits and beneath below grade tanks. USEPA Method 8015M (GRO/DRO + extended analysis) will report hydrocarbons ranging from C_6-C_{10} for GRO, C_{10}-C_{28} for DRO, and C_{28}-C_{36} for extended analysis. This information was provided by Environmental Science Corporation Laboratories. As the information demonstrates, the 8015M analytical method reports as low as C_6, reporting lower than USEPA Method 418.1. Utilizing analytical method 8015M, lighter range hydrocarbons will be reported instead of higher range, heavy hydrocarbons that may not be reasonably expected to be found in our field. Utilization of USEPA Method 8015M will better protect groundwater resources by identifying lighter, more mobile hydrocarbons that USEPA Method 418.1 cannot identify. The heavier range hydrocarbons, C_{36}-C_{40}, that are not identified by USEPA Method 8015M are not a mobile form of hydrocarbon, and are not a threat to human health and the environment. With your acceptance of this variance request, XTO Energy will begin utilizing USEPA Method 8015M in place of USEPA Method 418.1 for all sampling activities associated with 19.15.17 NMAC, both from the rules passed in 2008 and 2013.

Respectfully Submitted,

James McDaniel, CHMM #15676
EH&S Supervisor
XTO Energy, Inc.
Western Division

Carbon Ranges of Typical Hydrocarbons

Hydrocarbon	Carbon Range
Condensate	C2-C12
Aromatics	C5-C7
Gasoline	C7-C11
Kerosene	C6-C16
Diesel Fuel	C8-C21
Fuel Oil #1	C9-C16
Fuel Oil #2	C11-C20
Heating Oil	C14-C20
Lube Oil	C28-C35

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 August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Rex Farnsworth
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Federal Gas Com 1 #1C	Facility Type: Gas Well (Blanco Mesaverde)

Surface Owner: Federal	Mineral Owner	API No.: 30-045-30144

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	20	32N	12W	1060	FNL	660	FWL	San Juan

Latitude 36.976050 **Longitude** -108.124597

NATURE OF RELEASE

Type of Release: Produced Oil / Produced Water	Volume of Release: 180 BBL's	Volume Recovered: 70 BBL's
Source of Release: Production Tank	Date and Hour of Occurrence: 12/30/2015 Time: Unknown	Date and Hour of Discovery: 12-30-2015 12:25pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Cory Smith (NMOCD)	
By Whom? James McDaniel (EHS Supervisor XTO Energy)	Date and Hour: 12-30-2015 4:30 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Wednesday, 12-30-2015 an XTO Foreman found the steel production tank on the Federal Gas Com 1#1C location leaking from the load line valve . The XTO Foreman determined by the ending gauge of the tank that approximately 180 barrels of total fluid, 20 barrels of produced water and 160 barrels of produced oil has been released. The spill was contained within the berm and never left location. The XTO Foreman then called Triple S Trucking to help aid with product recovery and notified EH&S. The Foreman was able to recover approximately 70 barrels of produced fluid. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 20 due to an estimated depth to groundwater of 50 to 100 feet and an arroyo less than 1000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken. *A release has been confirmed based a broken load line valve on the production tank and the loss of 110 barrels of fluid that was not recovered. XTO removed approximately 1500 cu yds.of impacted soil and the dimensions of the excavation are 100'x 60' x 4' deep east end, 8' deep in the center, and 12' deep at the west end of the excavation. All samples collected for lab analysis were witnessed by NMOCD employees Jonathan Kelly (two samples (2)) and Vanessa Fields (all other samples). All but four (4) samples returned results below the NMOCD standards for this location. The four (4) samples that returned results above the guideline standards are:
Middle Shelf: TPH 140ppm DRO, 25ppm GRO and almost all ND BTEX this is a Solid Sandstone Shelf
NW Wall: TPH 210ppm DRO, 13ppm GRO, and almost all ND BTEX this is a Very Hard Dark Shale Wall
West Wall: TPH 150ppm DRO, 13ppm GRO, and almost all ND BTEX, this is a Very Hard Dark Shale Wall directly below the compressor building wall.
South West Bottom: TPH 250ppm DRO, 13ppm GRO and almost all ND BTEX this is Very Hard Solid Sandstone and the track hoe is unable to excavate this area any deeper. XTO believes the results that are slightly above TPH standards, but existing in very hard shale and sandstone, do not pose a risk to human health and the environment due to the majority of the TPH values being attributed to non-mobile diesel range organics, Benzene and BTEX results are below the NMOCD regulatory limits for all samples collected. Closure has been approved by the NMOCD and BLM and no further action is required.

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 "Initial 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: Kurt Hoekstra	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: Kurt Hoekstra		
Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 3-10-2016 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

February 02, 2016

James McDaniel
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 787-0519
FAX (505) 333-3280

RE: Federal G.C. 1 #1C OrderNo.: 1601B44

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 3 sample(s) on 1/30/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1601B44**
Date Reported: **2/2/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: Federal G.C. 1 #1C
Lab ID: 1601B44-001

Client Sample ID: Middle Wall
Collection Date: 1/29/2016 1:52:00 PM
Matrix: MEOH (SOIL)
Received Date: 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	59	9.4		mg/Kg	1	2/1/2016 9:57:03 AM	23497
Surr: DNOP	76.0	70-130		%Rec	1	2/1/2016 9:57:03 AM	23497
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	12	4.2		mg/Kg	1	2/1/2016 10:00:34 AM	A31828
Surr: BFB	142	66.2-112	S	%Rec	1	2/1/2016 10:00:34 AM	A31828
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.042		mg/Kg	1	2/1/2016 10:00:34 AM	B31828
Toluene	0.052	0.042		mg/Kg	1	2/1/2016 10:00:34 AM	B31828
Ethylbenzene	0.042	0.042		mg/Kg	1	2/1/2016 10:00:34 AM	B31828
Xylenes, Total	0.33	0.084		mg/Kg	1	2/1/2016 10:00:34 AM	B31828
Surr: 4-Bromofluorobenzene	127	80-120	S	%Rec	1	2/1/2016 10:00:34 AM	B31828

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: Federal G.C. 1 #1C
Lab ID: 1601B44-002
Matrix: MEOH (SOIL)
Client Sample ID: Pit Cellar Bottom
Collection Date: 1/29/2016 1:45:00 PM
Received Date: 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	110	9.6		mg/Kg	1	2/1/2016 10:18:46 AM	23497
Surr: DNOP	79.3	70-130		%Rec	1	2/1/2016 10:18:46 AM	23497
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	9.9	4.2		mg/Kg	1	2/1/2016 10:25:01 AM	A31828
Surr: BFB	144	66.2-112	S	%Rec	1	2/1/2016 10:25:01 AM	A31828
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.042		mg/Kg	1	2/1/2016 10:25:01 AM	B31828
Toluene	ND	0.042		mg/Kg	1	2/1/2016 10:25:01 AM	B31828
Ethylbenzene	ND	0.042		mg/Kg	1	2/1/2016 10:25:01 AM	B31828
Xylenes, Total	0.097	0.085		mg/Kg	1	2/1/2016 10:25:01 AM	B31828
Surr: 4-Bromofluorobenzene	127	80-120	S	%Rec	1	2/1/2016 10:25:01 AM	B31828

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: Federal G.C. 1 #1C
Lab ID: 1601B44-003
Matrix: MEOH (SOIL)
Client Sample ID: E. Bottom
Collection Date: 1/29/2016 2:05:00 PM
Received Date: 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	140	9.8		mg/Kg	1	2/1/2016 10:40:37 AM	23497
Surr: DNOP	75.0	70-130		%Rec	1	2/1/2016 10:40:37 AM	23497
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	29	4.2		mg/Kg	1	2/1/2016 10:49:31 AM	A31828
Surr: BFB	256	66.2-112	S	%Rec	1	2/1/2016 10:49:31 AM	A31828
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.042		mg/Kg	1	2/1/2016 10:49:31 AM	B31828
Toluene	0.058	0.042		mg/Kg	1	2/1/2016 10:49:31 AM	B31828
Ethylbenzene	0.11	0.042		mg/Kg	1	2/1/2016 10:49:31 AM	B31828
Xylenes, Total	0.69	0.085		mg/Kg	1	2/1/2016 10:49:31 AM	B31828
Surr: 4-Bromofluorobenzene	136	80-120	S	%Rec	1	2/1/2016 10:49:31 AM	B31828

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1601B44**

02-Feb-16

Client: XTO Energy

Project: Federal G.C. 1 #1C

Sample ID	MB-23497	SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS	Batch ID:	23497		RunNo:	31813				
Prep Date:	2/1/2016	Analysis Date:	2/1/2016		SeqNo:	973617	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.6		10.00		76.4	70	130			

Sample ID	LCS-23497	SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS	Batch ID:	23497		RunNo:	31813				
Prep Date:	2/1/2016	Analysis Date:	2/1/2016		SeqNo:	973618	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.4	65.8	136			
Surr: DNOP	3.8		5.000		76.6	70	130			

Sample ID	1601B44-001AMS	SampType:	MS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	Middle Wall	Batch ID:	23497		RunNo:	31813				
Prep Date:	2/1/2016	Analysis Date:	2/1/2016		SeqNo:	974086	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	86	9.6	47.85	59.00	55.7	31.2	162			
Surr: DNOP	3.3		4.785		68.9	70	130			S

Sample ID	1601B44-001AMSD	SampType:	MSD		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	Middle Wall	Batch ID:	23497		RunNo:	31813				
Prep Date:	2/1/2016	Analysis Date:	2/1/2016		SeqNo:	974087	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	91	9.8	48.78	59.00	65.8	31.2	162	6.13	31.7	
Surr: DNOP	3.3		4.878		67.6	70	130	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1601B44**

02-Feb-16

Client: XTO Energy
Project: Federal G.C. 1 #1C

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **A31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974181** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.5	66.2	112			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **A31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974182** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	79.6	122			
Surr: BFB	970		1000		97.4	66.2	112			

Sample ID **1601B44-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Middle Wall**	Batch ID: **A31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974183** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	36	4.2	21.10	12.09	111	59.3	143			
Surr: BFB	1500		843.9		173	66.2	112			S

Sample ID **1601B44-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Middle Wall**	Batch ID: **A31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974184** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	4.2	21.10	12.09	109	59.3	143	1.38	20	
Surr: BFB	1400		843.9		166	66.2	112	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1601B44**

02-Feb-16

Client: XTO Energy
Project: Federal G.C. 1 #1C

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **B31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974187** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **B31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974188** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.050	1.000	0	93.3	80	120			
Toluene	0.96	0.050	1.000	0	95.6	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.0	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Sample ID **1601B44-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Pit Cellar Bottom**	Batch ID: **B31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974189** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.042	0.8489	0	92.0	71.5	122			
Toluene	0.87	0.042	0.8489	0.01520	100	71.2	123			
Ethylbenzene	0.94	0.042	0.8489	0.03599	107	75.2	130			
Xylenes, Total	2.9	0.085	2.547	0.09728	110	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.8489		128	80	120			S

Sample ID **1601B44-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Pit Cellar Bottom**	Batch ID: **B31828**	RunNo: **31828**
Prep Date:	Analysis Date: **2/1/2016**	SeqNo: **974190** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.042	0.8489	0	90.2	71.5	122	1.93	20	
Toluene	0.84	0.042	0.8489	0.01520	97.6	71.2	123	2.50	20	
Ethylbenzene	0.91	0.042	0.8489	0.03599	103	75.2	130	3.79	20	
Xylenes, Total	2.7	0.085	2.547	0.09728	104	72.4	131	5.28	20	
Surr: 4-Bromofluorobenzene	1.0		0.8489		122	80	120	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **XTO Energy** Work Order Number: **1601B44** RcptNo: **1**

Received by/date: 01/30/16

Logged By: **Lindsay Mangin** 1/30/2016 9:15:00 AM

Completed By: **Lindsay Mangin** 1/30/2016 9:45:20 AM

Reviewed By: dan 1/30/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

SAME DAY

XTO ENERGY
Western Division

Quote Number		Page 1 of 1
XTO Contact: KURT HOEKSTRA		XTO Contact Phone #: (505) 486-9548
Email Results to: JAMES, KURT, LOGAN, REX		
Well Site/Location: FEDERAL G.C. 1 #1C	API Number: 30-045-30144	Test Reason: SPILL
Collected By: REX FARNSWORTH	Samples on Ice: (Y) N	Turnaround: ___ Standard; X ~~Next~~ Day SAME Day; ___ Two Day; ___ Three Day; ___ Std. 5 Bus. Days (by contract); Date Needed ___
Company: XTO ENERGY	QA/QC Requested: Y	
Signature:	Gray Areas for Lab Use Only!	

Analysis: TPH (8015) DRO, GRO; BTEX (8021)

Lab Information

Office Abbreviations
Farmington = FAR
Durango = DUR
Bakken = BAK
Raton = RAT
Piceance = PC
Roosevelt = RSV
La Barge = LB
Orangeville = OV

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Sample Number
~~FARRF-012916~~							~~1,012341-00~~
FARRF-012916-152	MIDDLE WALL	S	1/29/16	1:52	ON ICE	1-4oz	-001
FARRF-012916-145	PIT CELLAR BOTTOM	S	1/29/16	1:45	ON ICE	1 4oz	-002
FARRF-012916-205	E. BOTTOM	S	1/29/16	2:05	ON ICE	1 4oz	-003

Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT

Relinquished By: (Signature) REX FARNSWORTH	Date: 1-29-16	Time: 15:48	Received By: (Signature)	Number of Bottles	Sample Condition
Relinquished By: (Signature)	Date: 1/29/16	Time: 1740	Received By: (Signature) 01/30/16 0915	Temperature: 2.3°C	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date:	Time:

Comments

* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

Hoekstra, Kurt

From: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Sent: Tuesday, February 02, 2016 11:20 AM
To: Hoekstra, Kurt; Powell, Brandon, EMNRD; Smith, Cory, EMNRD
Cc: Katherina Diemer; McDaniel, James; Hixon, Logan; Farnsworth, Rex
Subject: RE: Proposed remediation plan for the pit cellar and east bottom of the existing excavation Federal Gas Com 1 # 1C

Categories: External Sender

Hello Kurt,

Per our conversation this morning the OCD approves XTO's variance request for the referenced area "below pit tank bottom" but requires further delineation on the east bottom.

OCD approval does not relieve XTO of any additional requirements imposed by other regulatory agencies.

Please let me know if you have any questions or concerns.

Thank you,
Vanessa Fields

From: Hoekstra, Kurt [mailto:Kurt_Hoekstra@xtoenergy.com]
Sent: Tuesday, February 02, 2016 11:07 AM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Katherina Diemer <kdiemer@blm.gov>; McDaniel, James <James_McDaniel@xtoenergy.com>; Hixon, Logan <Logan_Hixon@xtoenergy.com>; Farnsworth, Rex <Rex_Farnsworth@xtoenergy.com>
Subject: RE: Proposed remediation plan for the pit cellar and east bottom of the existing excavation Federal Gas Com 1 # 1C

Hello Vanessa, I guess I may have been unclear about applying the Potassium Permanganate, XTO is requesting to apply it to the bottom of the excavation only at this time. The vertical wall in the center of the bottom is described as the (middle wall) on the sample report and is below the closure standards for this location. Results are 59 ppm DRO, 12 ppm GRO and benzene is ND. See attached.

From: Fields, Vanessa, EMNRD [mailto:Vanessa.Fields@state.nm.us]
Sent: Tuesday, February 02, 2016 10:51 AM
To: Hoekstra, Kurt; Powell, Brandon, EMNRD; Smith, Cory, EMNRD
Cc: Katherina Diemer; McDaniel, James; Hixon, Logan; Farnsworth, Rex
Subject: RE: Proposed remediation plan for the pit cellar and east bottom of the existing excavation Federal Gas Com 1 # 1C

Good morning Kurt,

Before the OCD can review a variance request of applying Potassium Permanganate to the east bottom wall the OCD will require further vertical soil delineation. Once the vertical delineation has been completed a final review will be determined. The vertical delineation is needed to provide a proper assessment of the penetration of the potassium

permanganate to ensure its effectiveness; as our experience has shown it losses its effectiveness after approximately 18-24inches.

OCD approval does not relieve XTO of any additional requirements imposed by other regulatory agencies.

Thank you,
Vanessa Fields

From: Hoekstra, Kurt [mailto:Kurt_Hoekstra@xtoenergy.com]
Sent: Tuesday, February 02, 2016 10:12 AM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Katherina Diemer <kdiemer@blm.gov>; McDaniel, James <James_McDaniel@xtoenergy.com>; Hixon, Logan <Logan_Hixon@xtoenergy.com>; Farnsworth, Rex <Rex_Farnsworth@xtoenergy.com>
Subject: RE: Proposed remediation plan for the pit cellar and east bottom of the existing excavation Federal Gas Com 1 # 1C

Hello All,
I am following up on this email I sent yesterday afternoon. Is the proposed remediation plan for the bottom of the current excavation acceptable.
Thanks for your consideration.

From: Hoekstra, Kurt
Sent: Monday, February 01, 2016 3:49 PM
To: Vanessa EMNRD Fields; Brandon Powell; Cory EMNRD Smith
Cc: Katherina Diemer; McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan; Farnsworth, Rex
Subject: Proposed remediation plan for the pit cellar and east bottom of the existing excavation Federal Gas Com 1 # 1C

Hello All,

Proposed remediation plan in lieu of additional excavation to the east bottom and below the pit tank bottom of the excavation. After additional excavation on 1-29-2016, XTO is proposing to apply Potassium Permanganate at a rate of 1 gal per 50 square feet(total of 40 gallons) to the east bottom and below the pit tank bottom of the excavation. The bottom of the excavation consists primarily of dark shale and clay, DRO is the primary TPH constituent and is not considered mobile. After applying the Potassium Permanganate XTO is requesting a variance to the 100ppm TPH closure for the east bottom and below the pit tank bottom of the excavation based on the samples collected 1-29-2016, results are attached.

East Bottom:
DRO 140 ppm
GRO 29 ppm
Benzene ND
Toluene 0.058 ppm
Ethyl benzene 0.11
Xylenes Total 0.69 ppm

Below Pit Tank Bottom::
DRO 110 ppm
GRO 9.9 ppm
Benzene ND
Toluene ND

Ethyl benzene ND
Xylenes Total 0.097 ppm

Based on the location estimate depth to groundwater at greater than 50 feet, distance to surface water (a dry arroyo) at over 900 feet and the majority of the TPH DRO at 140 ppm and No BTEX, XTO believes this does not pose a risk to human health or the environment.

Additional excavation will be done on the walls and west bottom (not yet excavated).

Thank you for your consideration.

Kurt Hoekstra
EHS Coordinator
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt_Hoekstra@xtoenergy.com
An **ExxonMobil Subsidiary**

Hoekstra, Kurt

From: Diemer, Katherina <kdiemer@blm.gov>
Sent: Tuesday, February 16, 2016 9:18 AM
To: Hoekstra, Kurt
Cc: Fields, Vanessa, EMNRD; Powell, Brandon, EMNRD; Smith, Cory, EMNRD; McDaniel, James; Hixon, Logan; Farnsworth, Rex; Baxstrom, Scott; Beaty, Brent; McCollum, Luke
Subject: Re: Proposed Closure at the Federal Gas Com 1 # 1C

Categories: External Sender

Hello Kurt,

BLM concurs with OCD and gives permission for XTO to close the site. Please let me know if anything changes. Thank you and have a good day!

On Mon, Feb 15, 2016 at 8:31 AM, Hoekstra, Kurt <Kurt_Hoekstra@xtoenergy.com> wrote:

Thank You, Vanessa.

From: Fields, Vanessa, EMNRD [mailto:Vanessa.Fields@state.nm.us]
Sent: Monday, February 15, 2016 8:15 AM
To: Hoekstra, Kurt; Powell, Brandon, EMNRD; Smith, Cory, EMNRD
Cc: Katherina Diemer (kdiemer@blm.gov); McDaniel, James; Hixon, Logan; Farnsworth, Rex; Baxstrom, Scott; Beaty, Brent; McCollum, Luke
Subject: RE: Proposed Closure at the Federal Gas Com 1 # 1C

Kurt,

Based on the provided information below and the OCD's site assessment, XTO has the OCD's approval to close the release at the Federal gas Com 1 #1C. As this site is also under the regulatory purview of the BLM, we recommend XTO obtain their approval prior to backfilling.

OCD approval does not relieve XTO of any additional requirements imposed by other regulatory agencies.

Thank you,

Vanessa Fields

From: Hoekstra, Kurt [mailto:Kurt_Hoekstra@xtoenergy.com]
Sent: Friday, February 12, 2016 2:44 PM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Katherina Diemer (kdiemer@blm.gov) <kdiemer@blm.gov>; McDaniel, James <James_McDaniel@xtoenergy.com>; Hixon, Logan <Logan_Hixon@xtoenergy.com>; Farnsworth, Rex <Rex_Farnsworth@xtoenergy.com>; Baxstrom, Scott <Scott_Baxstrom@xtoenergy.com>; Beaty, Brent <Brent_Beaty@xtoenergy.com>; McCollum, Luke <Luke_McCollum@xtoenergy.com>
Subject: Proposed Closure at the Federal Gas Com 1 # 1C

Hello Vanessa,

XTO is proposing closure of the excavation for the release at the Federal Gas Com 1 # 1C. Approximately 1500 cu yds. of material has been removed and the dimensions of the excavation are 100'x 60' x 4' deep east end, 8' deep in the center, and 12' deep at the west end of the excavation. All samples collected for lab analysis were witnessed by NMOCD employees Jonathan Kelly (two samples (2)) and Vanessa Fields (all other samples). The site was ranked a 20 according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. This set the closure standards to 100 ppm TPH , 50 ppm total BTEX and 10 ppm Benzene.

All but four samples returned results below the NMOCD standards for this location. The four samples that returned results above the guideline standards are:

Middle Shelf: TPH 140ppm DRO, 25ppm GRO and almost all ND BTEX this is a Solid Sandstone Shelf

NW Wall: TPH 210ppm DRO, 13ppm GRO, and almost all ND BTEX this is a Very Hard Dark Shale Wall

West Wall: TPH 150ppm DRO, 13ppm GRO, and almost all ND BTEX, this is a Very Hard Dark Shale Wall directly below the compressor building wall.

South West Bottom: TPH 250ppm DRO, 13ppm GRO and almost all ND BTEX this is Very Hard Solid Sandstone and the track hoe is unable to excavate this area any deeper.

All sample results are attached. XTO believes the results that are slightly above TPH standards, but existing in very hard shale and sandstone do not pose a risk to human health and the environment due to the majority of the TPH values being attributed to non-mobile diesel range organics. Benzene and BTEX results are below the NMOCD regulatory limits for all samples collected. Closure has already been discussed at these levels from the NMOCD based on conversations on location with Vanessa Fields. XTO would like to close this excavation at these NMOCD acceptable results and begin backfilling on 2-17-2016 at 8:00 am. Thank you for your help with this matter, If you have any questions or concerns please let me know. I will be awaiting your response so scheduled backfill operations can be completed.

Thank You.

Kurt Hoekstra

EHS Coordinator

XTO Energy

505-333-3202 Office

505-486-9543 Cell

Kurt_Hoekstra@xtoenergy.com

An **ExxonMobil Subsidiary**

--

Katherina E Diemer
Natural Resource Specialist
Spills Coordinator
Farmington Field Office
6251 North College Boulevard
Suite A
Farmington, NM 87402
Office: 505-564-7666
Mobile: 505-436-4042
email: kdiemer@blm.gov

XTO ENERGY

Division: Denver

Dates: 06/01/2008 - 02/01/2016

Type: Route Stop

Type Value: F

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 51	FEDERAL GAS COM 1 001C	Weaver, Chaz	Durham, Ken	FEDERAL GC 001 01C	3004530144	20	12W	32N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
FB	08/15/2008	09:00	No	No	No	Yes	No	2			
FB	09/05/2008	09:00	No	No	No	Yes	No	1			
FB	10/30/2008	01:00	No	No	No	Yes	No	1			
FB	11/19/2008	03:00	No	No	No	Yes	No	1			
FB	12/26/2008	09:00	No	No	No	Yes	No	1			
FB	01/21/2009	08:00	No	No	No	Yes	No	1			
FB	02/18/2009	09:00	No	No	No	Yes	No	1			
FB	03/02/2009	10:00	No	No	No	Yes	No	1			
FB	04/17/2009	08:00	No	No	No	Yes	No	1			
FB	05/28/2009	02:00	No	No	No	Yes	No	1			
FB	06/02/2009	11:00	No	No	No	Yes	No	1			
FB	07/09/2009	09:00	No	No	No	Yes	No	1			
FB	08/06/2009	03:00	No	No	No	Yes	No	1			
FB	09/13/2009	11:00	No	No	No	Yes	No	1			
FB	10/22/2009	01:00	No	No	No	Yes	No	1			
FB	11/15/2009	09:00	No	No	No	Yes	No	1			
FB	12/04/2009	10:00	No	No	No	Yes	No	1			
FB	01/02/2010	08:00	No	No	No	Yes	No	1			
FB	02/10/2010	02:00	No	No	No	Yes	No	1			
FB	03/27/2010	03:00	No	No	No	Yes	No	1			
FB	04/20/2010	12:00	No	No	No	Yes	No	1			
FB	05/06/2010	01:00	No	No	No	Yes	No	1			
FB	04/20/2011	10:00	No	No	No	Yes	No	1			
FB	05/04/2011	02:00	No	No	No	Yes	No	2			
BF	06/01/2011	12:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
FB	04/20/2011	10:00	No	No	No	Yes	No	1			
FB	05/04/2011	2:00	No	No	No	Yes	No	2			
BF	06/01/2011	12:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	07/05/2011	9:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	08/02/2011	10:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	09/05/2011	2:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	10/10/2011	11:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/02/2011	10:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	12/20/2011	11:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	01/03/2012	2:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	01/04/2012	10:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	01/06/2012	12:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	01/26/2012	11:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	01/30/2012	3:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	02/01/2012	1:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	03/29/2012	10:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	04/11/2012	11:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	05/28/2012	2:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	06/05/2012	3:00	No	No	No	Yes	No	4			CELLER WALL NEEDS TO BE REPAIRED
BF	06/13/2012	10:00	No	No	No	Yes	No	4			CELLER WALL NEEDS TO BE REPAIRED
BF	07/30/2012	2:00	No	No	No	Yes	No	4			CELLER WALL NEEDS TO BE REPAIRED
BF	08/01/2012	9:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	08/08/2012	10:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	08/15/2012	12:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	09/03/2012	12:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	09/12/2012	1:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	09/27/2012	2:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	10/05/2012	9:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	10/10/2012	11:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	10/24/2012	11:00	No	No	No	Yes	No	1			CELLER WALL NEEDS TO BE REPAIRED
BF	10/29/2012	1:59	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	10/30/2012	10:59	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/01/2012	12:59	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/02/2012	10:59	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/07/2012	3:59	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/09/2012	11:59	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/14/2012	11:02	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/16/2012	8:02	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	11/21/2012	1:02	No	No	No	Yes	No	3			CELLER WALL NEEDS TO BE REPAIRED
BF	11/23/2012	12:02	No	No	No	Yes	No	3			CELLER WALL NEEDS TO BE REPAIRED
BF	11/26/2012	11:02	No	No	No	Yes	No	3			CELLER WALL NEEDS TO BE REPAIRED
BF	11/30/2012	1:02	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	12/07/2012	10:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	12/10/2012	11:30	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	12/24/2012	10:30	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	01/07/2013	1:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	02/27/2013	2:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	03/26/2013	9:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	04/09/2013	10:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	04/18/2013	9:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	04/22/2013	3:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	04/29/2013	9:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	06/03/2013	10:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	06/11/2013	12:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	06/18/2013	9:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	07/05/2013	11:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	07/30/2013	8:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	08/20/2013	11:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	09/03/2013	9:00	No	No	No	Yes	No	2			CELLER WALL NEEDS TO BE REPAIRED
BF	09/12/2013	10:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	09/13/2013	1:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	09/23/2013	8:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	09/27/2013	9:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	09/30/2013	10:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	10/01/2013	10:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	10/09/2013	11:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	10/16/2013	10:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	10/23/2013	11:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	10/28/2013	10:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
BF	11/21/2013	10:00	No	No	No	Yes	No	0			CELLER WALL NEEDS TO BE REPAIRED
EMERY SCOTT	07/28/2014	10:30	No	No	No	Yes	No	0			EDS
EMERY SCOTT	08/27/2014	9:30	No	No	No	Yes	No	0			EDS
CW	06/04/2015	10:30	No	No	No	Yes	No	5	Well Water Pit	Below Ground	CW
CW	08/06/2015	10:30	No	No	No	Yes	No	5	Well Water Pit	Below Ground	CW
CW	09/02/2015	11:30	No	No	No	Yes	No	5	Well Water Pit	Below Ground	CW
CW	10/07/2015	12:20	No	No	No	Yes	No	5	Well Water Pit	Below Ground	CW
CW	11/03/2015	9:20	No	No	No	Yes	No	5	Well Water Pit	Below Ground	CW
CW	12/09/2015	9:50	No	No	No	Yes	No	5	Well Water Pit	Below Ground	CW


CA# NMNM-73441
XTO
ENERGY
1-866-479-5117
FEDERAL GAS COM 1 #1C
1060' FNL 660' FWL
NW/NW SEC 20 T32N R12W
LATITUDE 36.97571°
LONGITUDE 108.12412°
LEASE # NMNM019414
API #30-045-30144

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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-144
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

2008 NOV 24 AM 11 40

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
Existing BGT ☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
☐ Modification to an existing permit
☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: XTO Energy, Inc. OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name: FEDERAL GAS COM 1 #1C
API Number: 30-045-30144 OCD Permit Number:
U/L or Qtr/Qtr D Section 20 Township 32N Range 12W County: San Juan
Center of Proposed Design: Latitude 36.97571 Longitude 108.12412 NAD: ☐1927 ☒1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F or G of 19.15.17.11 NMAC

OIL CONS. DIV DIST. 3
APR 01 2016

Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other _____
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____

4.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 120 bbl Type of fluid: Produced Water
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other Visible sidewalls, vaulted, automatic high-level shut off, no liner
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

5.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Permian

6.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☒ Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing

7.
Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☒ Other Expanded metal or solid vaulted top

☐ Monthly inspections (If netting or screening is not physically feasible)

8.
Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.3.103 NMAC

9.
Administrative Approvals and Exceptions:
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.
Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. **Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.**

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☒ Yes ☐ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to permanent pits)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☒ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☒ No

Pecos

11.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____

☐ Previously Approved Operating and Maintenance Plan API Number: _____ *(Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)*

13.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Closed-loop System ☐ Alternative

Proposed Closure Method:
- ☒ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☐ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Revised

16.
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?
☐ Yes (If yes, please provide the information below) ☐ No

Required for impacted areas which will not be used for future service and operations:
☐ Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

18.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Revised

19.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kim Champlin Title: Environmental Representative

Signature: Kim Champlin Date: 11:20:08

e-mail address: kim_champlin@xtoenergy.com Telephone: (505) 333-3100

20.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: [signature] **Approval Date:** 1/15/16

Title: Bureau Chief **OCD Permit Number:**

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** 2-17-16

22.
Closure Method:
☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

23.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: Disposal Facility Permit Number:

Disposal Facility Name: Disposal Facility Permit Number:

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?
☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:
☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

24.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***
☒ Proof of Closure Notice (surface owner and division)
☐ Proof of Deed Notice (required for on-site closure)
☐ Plot Plan (for on-site closures and temporary pits)
☒ Confirmation Sampling Analytical Results (if applicable)
☐ Waste Material Sampling Analytical Results (required for on-site closure)
☒ Disposal Facility Name and Permit Number
☒ Soil Backfilling and Cover Installation
☒ Re-vegetation Application Rates and Seeding Technique
☒ Site Reclamation (Photo Documentation)
On-site Closure Location: Latitude Longitude NAD: ☐ 1927 ☐ 1983

25.
Operator Closure Certification:
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Kurt Hoekstra Title: EHS Coordinator

Signature: Kurt Hoekstra Date: 3-10-16

e-mail address: Kurt_Hoekstra@xtoenergy.com Telephone: 505-333-3100

Removed

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 August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: XTO Energy, Inc.	Contact: Rex Farnsworth
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Federal Gas Com 1 #1C	Facility Type: Gas Well (Blanco Mesaverde)

Surface Owner: Federal	Mineral Owner	API No.: 30-045-30144

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	20	32N	12W	1060	FNL	660	FWL	San Juan

Latitude 36.976050 **Longitude** -108.124597

NATURE OF RELEASE

Type of Release: Produced Oil / Produced Water	Volume of Release: 180 BBL's	Volume Recovered: 70 BBL's
Source of Release: Production Tank	Date and Hour of Occurrence: 12/30/2015 Time: Unknown	Date and Hour of Discovery: 12-30-2015 12:25pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Cory Smith (NMOCD)	
By Whom? James McDaniel (EHS Supervisor XTO Energy)	Date and Hour: 12-30-2015 4:30 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Wednesday, 12-30-2015 an XTO Foreman found the steel production tank on the Federal Gas Com 1#1C location leaking from the load line valve . The XTO Foreman determined by the ending gauge of the tank that approximately 180 barrels of total fluid, 20 barrels of produced water and 160 barrels of produced oil has been released. The spill was contained within the berm and never left location. The XTO Foreman then called Triple S Trucking to help aid with product recovery and notified EH&S. The Foreman was able to recover approximately 70 barrels of produced fluid. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 20 due to an estimated depth to groundwater of 50 to 100 feet and an arroyo less than 1000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken. *A release has been confirmed based a broken load line valve on the production tank and the loss of 110 barrels of fluid that was not recovered. Clean-up is still ongoing.

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 "Initial 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:	OIL CONSERVATION DIVISION	
Printed Name: Rex Farnsworth	Approved by Environmental Specialist:	
Title: EHS Technician	Approval Date:	Expiration Date:
E-mail Address: rex_farnsworth@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 1-8-2016 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary