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.

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

13077

OIL CONS. DIV DIST. 3

AUG 21 2015

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

39-21474

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: Valencia Canyon Unit # 5
API Number: 30-039-21474 OCD Permit Number:
U/L or Qtr/Qtr P Section 26 Township 28N Range 4W County: Rio Arriba
Center of Proposed Design: Latitude 36.628947 Longitude -107.215204 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: _____

25

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): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

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

OCD Representative Signature: Jonathan D. Kelly **Approval Date:** 10/5/2015

Title: Compliance Officer **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:** 7-14-15

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: 8-18-2015

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

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: Kurt Hoekstra
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Valencia Canyon Unit # 5	Facility Type: Gas Well (Choza Mesa Pictured Cliffs)

Surface Owner: Federal	Mineral Owner	API No. 30-039-21474

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	26	28N	4W	1185	FSL	850	FEL	Rio Arriba

Latitude: 36.628947 **Longitude:** -107.215204

NATURE OF RELEASE

Type of Release: N/A	Volume of Release: N/A	Volume Recovered: N/A
Source of Release: N/A	Date and Hour of Occurrence N/A	Date and Hour of Discovery: N/A
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*The below grade tank was removed at the Valencia Canyon Unit # 5 well site due to P & A of the well site. The BGT cellar beneath the BGT was sampled for TPH via USEPA Method 8015, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'pit rule' standards of 100 ppm TPH, 0.2 ppm benzene, 50 ppm total BTEX, and 250 ppm chlorides, confirming that a release has not occurred at this location.

Describe Area Affected and Cleanup Action Taken.*No release has been confirmed at this location 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 "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Kurt Hoekstra	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: 8-18-15 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

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

Lease Name: Valencia Canyon Unit # 5
API No.: 30-039-21474
Description: Unit P, Section 26, Township 28N, Range 4W, Rio Arriba 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 July 14th, 2015

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 July 14th, 2015

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 has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

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 be removed due to the plugging and abandoning of the VCU # 5 well.

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 8021B or 8260B	0.2	**< 0.040 mg/kg**
BTEX	EPA 8021B or 8260B	50	**< 0.199 mg/kg**
TPH	EPA 8015	100	**< 64 mg/kg**
Chlorides	EPA 300.0	250 or background	**< 30 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.
No 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 was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover.

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 July 7th, 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 July 7th, 2015; 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 after the well has been 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 the BLM MOU

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 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 Specifications**
    vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **per BLM MOU**
    viii. Photo documentation of the site reclamation. **attached**

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

July 17, 2015

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

RE: VCU #5 OrderNo.: 1507488

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/11/2015 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued July 14, 2015.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1507488**
Date Reported: **7/17/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: VCU #5
Lab ID: 1507488-001
Client Sample ID: S. BGT Cellar
Collection Date: 7/10/2015 10:25:00 AM
Matrix: MEOH (SOIL)
Received Date: 7/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	7/13/2015 11:09:02 AM	20224
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/13/2015 10:40:14 AM	20220
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2015 10:40:14 AM	20220
Surr: DNOP	94.8	57.9-140		%REC	1	7/13/2015 10:40:14 AM	20220
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/13/2015 10:48:27 AM	20188
Surr: BFB	90.2	75.4-113		%REC	1	7/13/2015 10:48:27 AM	20188
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.043		mg/Kg	1	7/13/2015 10:48:27 AM	20188
Toluene	ND	0.043		mg/Kg	1	7/13/2015 10:48:27 AM	20188
Ethylbenzene	ND	0.043		mg/Kg	1	7/13/2015 10:48:27 AM	20188
Xylenes, Total	ND	0.086		mg/Kg	1	7/13/2015 10:48:27 AM	20188
Surr: 4-Bromofluorobenzene	97.3	80-120		%REC	1	7/13/2015 10:48:27 AM	20188

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Analytical Report
Lab Order **1507488**
Date Reported: **7/17/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: VCU #5
Lab ID: 1507488-002

Client Sample ID: N. BGT Cellar
Collection Date: 7/10/2015 10:40:00 AM
Matrix: MEOH (SOIL) **Received Date:** 7/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	7/13/2015 11:21:27 AM	20224
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **KJH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/13/2015 11:01:41 AM	20220
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2015 11:01:41 AM	20220
Surr: DNOP	95.8	57.9-140		%REC	1	7/13/2015 11:01:41 AM	20220
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	7/13/2015 11:17:13 AM	20188
Surr: BFB	92.0	75.4-113		%REC	1	7/13/2015 11:17:13 AM	20188
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.040		mg/Kg	1	7/13/2015 11:17:13 AM	20188
Toluene	ND	0.040		mg/Kg	1	7/13/2015 11:17:13 AM	20188
Ethylbenzene	ND	0.040		mg/Kg	1	7/13/2015 11:17:13 AM	20188
Xylenes, Total	ND	0.079		mg/Kg	1	7/13/2015 11:17:13 AM	20188
Surr: 4-Bromofluorobenzene	98.7	80-120		%REC	1	7/13/2015 11:17:13 AM	20188

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1507488**

17-Jul-15

Client: XTO Energy
Project: VCU #5

Sample ID	MB-20224	SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS	Batch ID:	20224		RunNo:	27466				
Prep Date:	7/13/2015	Analysis Date:	7/13/2015		SeqNo:	824117	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-20224	SampType:	LCS		TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSS	Batch ID:	20224		RunNo:	27466				
Prep Date:	7/13/2015	Analysis Date:	7/13/2015		SeqNo:	824118	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1507488**

17-Jul-15

Client: XTO Energy
Project: VCU #5

Sample ID	MB-20220	SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS	Batch ID:	20220		RunNo:	27441				
Prep Date:	7/13/2015	Analysis Date:	7/13/2015		SeqNo:	823245	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.6	57.9	140			

Sample ID	LCS-20220	SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS	Batch ID:	20220		RunNo:	27441				
Prep Date:	7/13/2015	Analysis Date:	7/13/2015		SeqNo:	823246	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	57.4	139			
Surr: DNOP	4.1		5.000		81.8	57.9	140			

Sample ID	1507488-001AMS	SampType:	MS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	S. BGT Cellar	Batch ID:	20220		RunNo:	27441				
Prep Date:	7/13/2015	Analysis Date:	7/13/2015		SeqNo:	823432	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.7	48.73	0	99.0	42.3	146			
Surr: DNOP	4.8		4.873		98.9	57.9	140			

Sample ID	1507488-001AMSD	SampType:	MSD		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	S. BGT Cellar	Batch ID:	20220		RunNo:	27441				
Prep Date:	7/13/2015	Analysis Date:	7/13/2015		SeqNo:	823433	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.9	49.65	0	97.7	42.3	146	0.517	28.9	
Surr: DNOP	5.0		4.965		100	57.9	140	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1507488**

17-Jul-15

Client: XTO Energy
Project: VCU #5

Sample ID	MB-20188	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS	Batch ID:	20188		RunNo:	27446				
Prep Date:	7/9/2015	Analysis Date:	7/13/2015		SeqNo:	823980	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	910		1000		90.7	75.4	113			

Sample ID	LCS-20188	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSS	Batch ID:	20188		RunNo:	27446				
Prep Date:	7/9/2015	Analysis Date:	7/13/2015		SeqNo:	823981	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	90.9	64	130			
Surr: BFB	970		1000		97.1	75.4	113			

Sample ID	MB-20225	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS	Batch ID:	20225		RunNo:	27497				
Prep Date:	7/13/2015	Analysis Date:	7/14/2015		SeqNo:	825115	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910		1000		90.8	75.4	113			

Sample ID	LCS-20225	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSS	Batch ID:	20225		RunNo:	27497				
Prep Date:	7/13/2015	Analysis Date:	7/14/2015		SeqNo:	825116	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		99.8	75.4	113			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1507488**

17-Jul-15

Client: XTO Energy
Project: VCU #5

Sample ID	MB-20188	SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS	Batch ID:	20188		RunNo:	27446				
Prep Date:	7/9/2015	Analysis Date:	7/13/2015		SeqNo:	824010	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		99.6	80	120			

Sample ID	LCS-20188	SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	LCSS	Batch ID:	20188		RunNo:	27446				
Prep Date:	7/9/2015	Analysis Date:	7/13/2015		SeqNo:	824011	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	104	76.6	128			
Toluene	0.99	0.050	1.000	0	99.4	75	124			
Ethylbenzene	1.0	0.050	1.000	0	103	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	104	78.8	124			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID	MB-20225	SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS	Batch ID:	20225		RunNo:	27497				
Prep Date:	7/13/2015	Analysis Date:	7/14/2015		SeqNo:	825158	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	80	120			

Sample ID	LCS-20225	SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	LCSS	Batch ID:	20225		RunNo:	27497				
Prep Date:	7/13/2015	Analysis Date:	7/14/2015		SeqNo:	825159	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

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: 1507488 | RcptNo: 1

Received by/date: 07/11/15

Logged By: Lindsay Mangin 7/11/2015 7:00:00 AM

Completed By: Lindsay Mangin 7/13/2015 7:56:12 AM

Reviewed By: 07/13/15

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 ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
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 ☐	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	2.8	Good	Yes			

SAME DAY Rush

XTO ENERGY
Western Division

Quote Number		Page 1 of 1
XTO Contact: Kurt Hoekstra		XTO Contact Phone #: 505-486-9543
Email Results to: James, Kurt, Logan		
Well Site/Location: VCU #5	API Number: 30-039-21474	Test Reason: BGT Closure
Collected By: Kurt	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	QA/QC Requested: Y	
Signature: Kurt Hoekstra	Gray Areas for Lab Use Only!	

Analysis: TPH 8015 | BTEX 8021 | Chloride

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.	TPH	BTEX	Chloride	Sample Number
FARKH-071015-1025	S. BGT Cellar	S	7-10	10:25	on ice	(1) 4oz Jar	X	X	X	1507488-001
FARKH-071015-1040	N BGT Cellar	S	7-10	10:40	on ice	(1) 4oz Jar	X	X	X	-002

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

Relinquished By: (Signature) Kurt Hoekstra	Date: 7-10-15	Time: 1:45	Received By: (Signature) Misty Walker	Number of Bottles	Sample Condition
Relinquished By: (Signature) Misty Walker	Date: 7-10-15	Time: 2204	Received By: (Signature) [illegible] 7/11/15 0710	Temperature: 2.8°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

0137

Hoekstra, Kurt

From: Hoekstra, Kurt
Sent: Tuesday, July 07, 2015 7:25 AM
To: 'Cory.Smith@state.nm.us'; Mark Kelly (mkelly@blm.gov)
Cc: McDaniel, James (James_McDaniel@xtoenergy.com); Clement, Jeff; Trujillo, Marcos
Subject: VCU # 5 BGT Closure Notification

Cory and Mark,

Please accept this email as the required notification for BGT closure activities at the Valencia Canyon Unit # 5 well site (API #30-039-21474)
located in Unit P, Section 26, Township 28N, Range 4W, Rio Arriba County, New Mexico. This below grade tank is being closed due
to the P&A of this location.

Work is tentatively scheduled for Friday 7-10-2015 at 8:30am.

Thank You for your time in regards to this matter.

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

20

XTO ENERGY

Well Below Tank Inspection Report

Division Denver

Dates - 06/20/2008 - 06/20/2015

Type Route Stop

Type Value V

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 47	VALENCIA CANYON UNIT 005	Farnsworth, Ter	Sanders, David	VALENCIA CANYON UNIT 05	3003921474	26	4W	28N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
DC	08/22/2008	00:00:00	No	No	No	Yes	No	3			No liner
PS	09/19/2008	00:00	No	No	No	Yes	No	3			No liner
PS	10/14/2008	00:00	No	No	Yes	Yes	No	3	Well Water Pit	Below Ground	drain pit
PS	11/20/2008	01:01	No	No	Yes	Yes	No	3	Well Water Pit	Below Ground	drain pit
PS	11/23/2008	10:22	No	No	Yes	Yes	No	3	Well Water Pit	Below Ground	prod. pit
DC	12/10/2008	10:00	No	No	No	Yes	No	3	Well Water Pit	Below Ground	prod. pit
PS	01/13/2009	11:15	No	No	Yes	Yes	No	4	Well Water Pit	Below Ground	drain pit
PS	01/14/2009	11:15	No	No	No	Yes	No	3	Well Water Pit	Below Ground	prod. pit
TRD	02/27/2009	12:41	No	No	No	Yes	No	3	Well Water Pit	Below Ground	prod. pit
TRD	03/20/2009	02:38	No	No	No	Yes	No	2	Well Water Pit	Below Ground	prod. pit
TRD	04/11/2009	11:17	No	No	No	Yes	No	2	Well Water Pit	Below Ground	prod. pit
DC	06/15/2009	10:40	No	No	No	Yes	No	3	Well Water Pit	Below Ground	prod. pit
DC	07/30/2009	09:00	No	No	No	Yes	No	3	Well Water Pit	Below Ground	prod. pit
DC	08/19/2009	03:15	No	No	No	Yes	No	3	Well Water Pit	Below Ground	Production pit
TRD	09/15/2009	11:18	No	No	No	Yes	No	3	Well Water Pit	Below Ground	Production pit
TRD	10/22/2009	10:21	No	No	No	Yes	No	3	Well Water Pit	Below Ground	Production pit
TRD	11/19/2009	12:23	No	No	No	Yes	No	3	Well Water Pit	Below Ground	Production pit
TRD	12/13/2009	09:42	No	No	No	Yes	No	3	Well Water Pit	Below Ground	Production pit
TRD	01/28/2010	01:19	No	No	No	Yes	No	3	Well Water Pit	Below Ground	Production pit
TRD	02/27/2010	08:32	No	No	No	Yes	No	3	Well Water Pit	Below Ground	Production pit
TRD	03/17/2010	08:20	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	04/11/2010	08:12	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	05/07/2010	12:59	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	06/06/2010	01:57	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	07/03/2010	11:00	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	08/02/2010	01:52	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	09/25/2010	12:34	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	10/08/2010	09:55	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	11/07/2010	09:40	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
tf	12/05/2010	09:38	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TRD	01/28/2011	09:38	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
tf	02/03/2011	12:18	No	No	Yes	No	Yes	2	Well Water Pit	Below Ground	
TF	05/03/2011	02:16	No	No	Yes	No	No	2	Well Water Pit	Below Ground	
TF	06/10/2011	12:43	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
TF	7/8/2011	12:43	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
TF	8/6/2011	9:28	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
TF	9/2/2011	12:55	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
TF	10/1/2011	11:02	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
TF	11/16/2011	9:34	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
TF	12/11/2011	2:00	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
TF	1/7/2012	12:01	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
jm	2/27/2012	12:00	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
jm	3/26/2012	12:00	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
jm	4/24/2012	12:00	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner

Division Denver

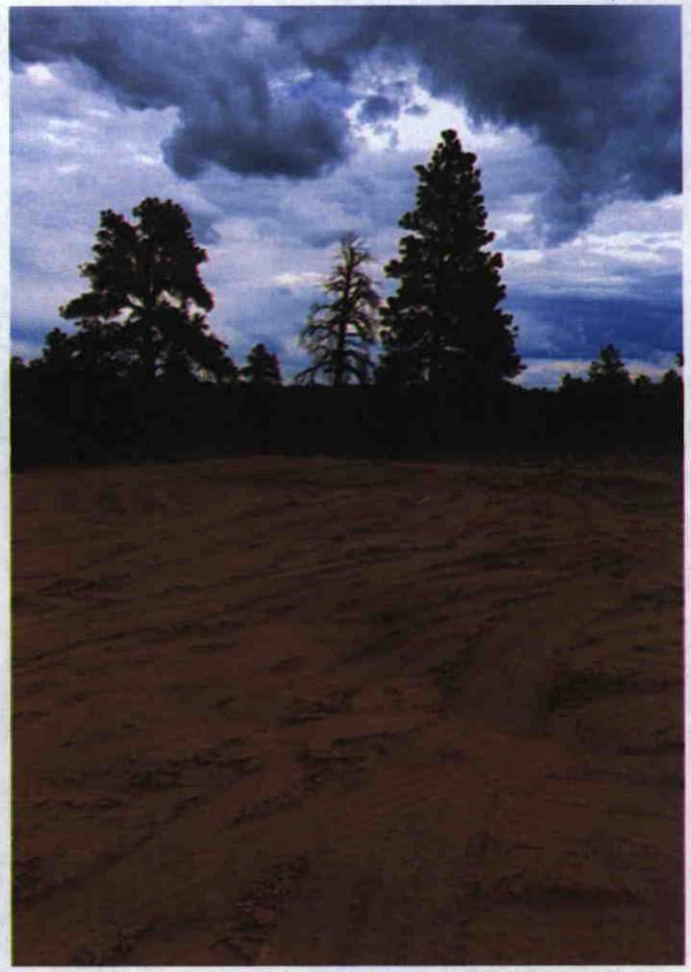
Dates -
06/20/2008 - 06/20/2015

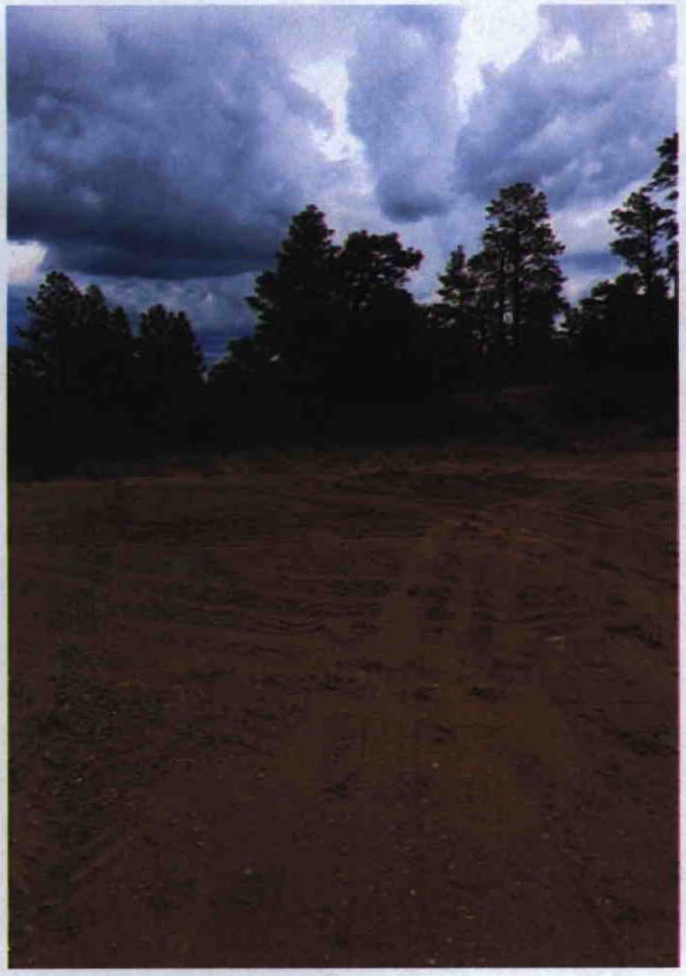
Type Route Stop

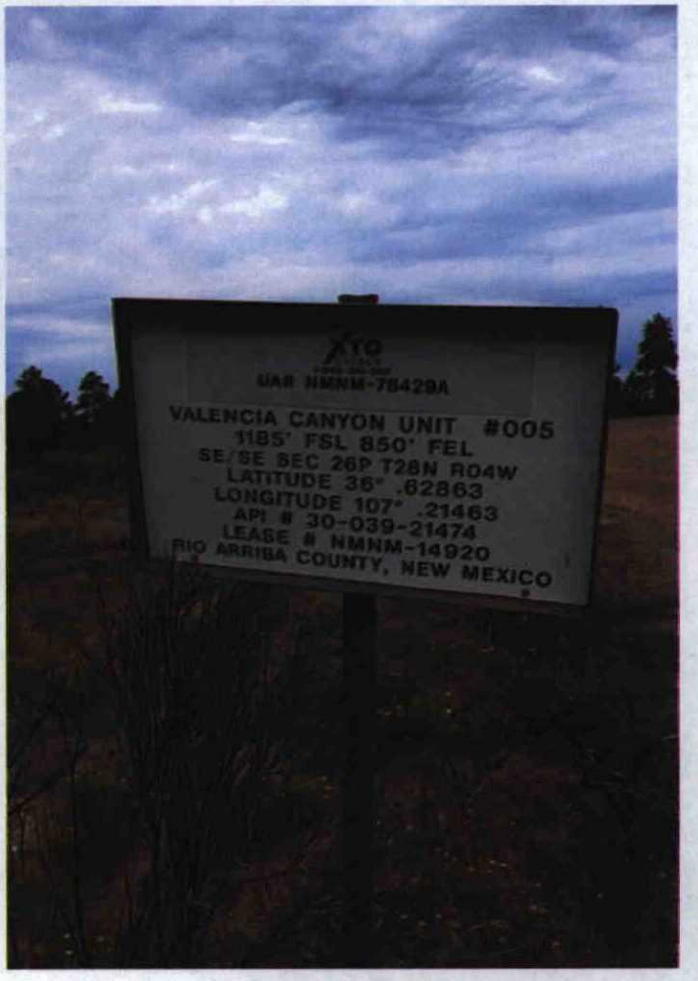
Type Value V

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 47	VALENCIA CANYON UNIT 005	Farnsworth, Ter	Sanders, David	VALENCIA CANYON UNIT 05	3003921474	26	4W	28N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
jm	5/21/2012	11:00	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
jm	6/30/2012	11:00	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
jm	7/31/2012	11:00	No	No	No	Yes	No	2	Well Water Pit	Below Ground	no liner
tf	8/19/2012	1:53	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	10/29/2012	7:15	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	12/26/2012	2:42	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
jm	1/15/2013	12:45	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	4/14/2013	11:27	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	6/23/2013	11:01	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	7/19/2013	2:00	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	9/16/2013	12:53	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	10/16/2013	8:26	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	11/5/2013	11:43	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	3/28/2014	11:46	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	4/25/2014	11:40	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	5/6/2014	2:47	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	6/23/2014	1:48	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	7/25/2014	12:46	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	8/29/2014	12:38	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	9/24/2014	9:27	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	11/21/2014	11:23	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	12/4/2014	2:04	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	1/8/2015	12:00	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	2/8/2015	12:15	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	4/30/2015	12:32	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner
tf	6/15/2015	11:54	No	No	No	No	No	2	Well Water Pit	Below Ground	no liner






XTO
UA# NMNM-78429A
VALENCIA CANYON UNIT #005
1185' FSL 850' FEL
SE/SE SEC 26P T28N R04W
LATITUDE 36° .62863
LONGITUDE 107° .21463
API # 30-039-21474
LEASE # NMNM-14920
RIO ARRIBA COUNTY, NEW MEXICO

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