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

11431

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: Texacoma La Plata 18 # 1
API Number: 30-045-30341 OCD Permit Number:
U/L or Qtr/Qtr A Section 18 Township 31N Range 13W County: San Juan
Center of Proposed Design: Latitude 36.903980 Longitude -108.237823 NAD: ☐1927 ☒ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
RCVD OCT 9 '13
OIL CONS. DIV.
DIST. 3

☐ **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.
OIL CONS. DIV DIST. 3
DEC 10 2013

☒ **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 _____
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_____

6.

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

☐ Screen ☐ Netting ☐ Other_____

☐ 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: Environmental Coordinator

Signature: Kurt Hoekstra Date: 10-8-2013

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

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

OCD Representative Signature: Jonathan D. Kelly Jonathan D. Kelly **Approval Date:** 12/12/2013 10/10/2013

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:** 12-3-13

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: ENVIRONMENTAL COORDINATOR

Signature: Kurt Hoekstra Date: 12-3-13

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

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

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

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: Texacoma La Plata 18 # 1 (30-045-30341)	Facility Type: Gas Well (Basin Fruitland Coal)

Surface Owner: Private	Mineral Owner:	Lease No: Fee

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	18	31N	13W	1296	FNL	665	FEL	San Juan

Latitude: 36.903980 **Longitude:** -108.237823

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 Texacoma La Plata 18 # 1 well site due to P& A of the well site. The BGT cellar beneath the BGT was sampled for TPH via USEPA Method 8015 and 418.1, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'pit rule' standards of 100 ppm TPH, 10 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 Approved by District Supervisor:	
Printed Name: Kurt Hoekstra		
Title: Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 12-3-2013 Phone: 505-333-3100		

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

Lease Name: Texacoma La Plata 18 # 1
API No.: 30-045-30341
Description: Unit A, Section 18, Township 31N, Range 13W, 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 December 3rd, 2013

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 December 3rd, 2013

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 Texacoma La Plata 18 # 1 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 SW-846 8021B or 8260B	0.2	**< 0.0027 mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**0.0405 mg/kg**
TPH	EPA SW-846 418.1	100	**28 mg/kg**
Chlorides	EPA 300.1	250 or background	**52 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.
Due to TPH results of 28 PPM, a release has not 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. Brandon Powell with the Aztec office of the OCD via email on October 28th , 2013; 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 October 28th , 2013; see attached letter and return receipt.

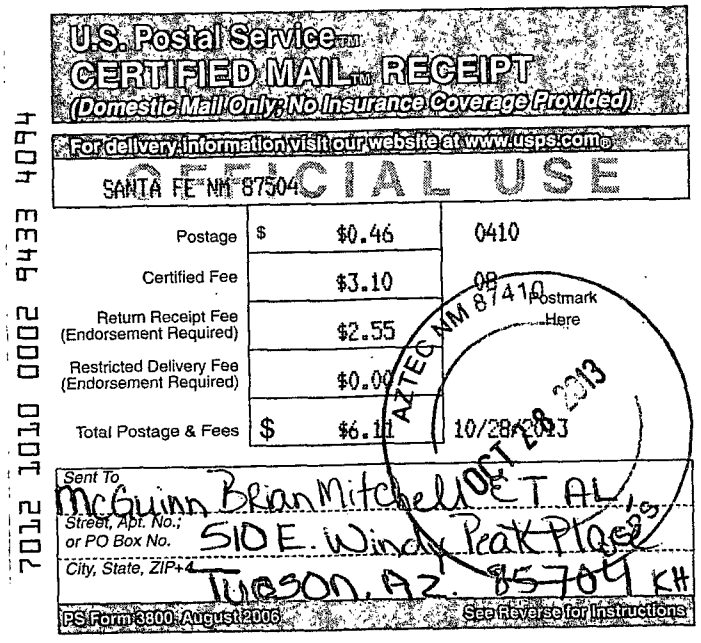
11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion 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 site will be reclaimed pursuant to surface owner specifications.

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 surface owner specifications**
    - viii. Photo documentation of the site reclamation. **attached**



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Total Postage & Fees	$ $6.11	10/28/2013

ALTEC NM 87410 OCT 28 2013

Sent To: McGuinn Brian Mitchell ET AL, Jr.
Street, Apt. No.; or PO Box No.: 510 E. Windy Peak Place
City, State, ZIP+4: Tucson, AZ. 85704 KH

PS Form 3800, August 2006 — See Reverse for Instructions

7012 1010 0002 9433 4094

SENDER: COMPLETE THIS SECTION

- ☑ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☑ Print your name and address on the reverse so that we can return the card to you.
- ☑ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

McGuinn Brian Mitchell ETAL,
510 E. Windy Peak Place
Tucson, AZ. 85704

KH

COMPLETE THIS SECTION ON DELIVERY

A. Signature: Brian M. McGuinn ☐ Agent ☐ Addressee

B. Received by (Printed Name): Brian M. McGuinn C. Date of Delivery: 10-30-13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label): 7012 1010 0002 9433 4094

PS Form 3811, February 2004 — Domestic Return Receipt — 102595-02-M-1540

October 28th, 2013

McGuinn Brian Mitchell ET AL,
510 E. Windy Peak Place
Tucson, Az. 85704

Re: Texacoma La Plata 18 # 1 API # 30-045-30341

Unit A, Section 18, Township 31N, Range 13W, San Juan County, New Mexico

Brian Mitchell McGuinn ,

This submittal is pursuant to Rule 19.15.17.13 requiring operators to notify surface owners of the closure of a below grade tank pit. XTO Energy, Inc. (XTO) is hereby providing written documentation of our proposal to close the below grade tank pit associated with the above mentioned well site by excavation and removal.

Should you have questions or require additional information, please feel free to contact me at your convenience at (505) 333-3100. Thank you for your time in regards to this matter.

Respectfully Submitted,

Kurt Hoekstra

Environmental Coordinator
XTO Energy, Inc.
Western Division

Hoekstra, Kurt

From: Hoekstra, Kurt
Sent: Monday, October 28, 2013 12:05 PM
To: Brandon Powell (brandon.powell@state.nm.us)
Subject: BGT Closure Texacoma La Plata 18 # 1

Brandon,

Please accept this email as the required notification for BGT closure activities at the Texacoma La Plata 18 # 1 well site (API # 30-045-30341) located in Unit A, Section 18, Township 31N, Range 13W,
San Juan County, New Mexico. This below grade tank is being closed due to the P & A of this well site.
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

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0424

Samples Received: 10/7/2013 3:11:00PM

Job Number: 98031-0528

Work Order: P310024

Project Name/Location: Texacoma La Plata 18 #1

Entire Report Reviewed By: _____ Date: 10/10/13

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Texacoma La Plata 18 #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	10-Oct-13 08:18

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P310024-01A	Soil	10/07/13	10/07/13	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Texacoma La Plata 18 #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	10-Oct-13 08:18

BGT Cellar

P310024-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	**28.0**	20.0	mg/kg	1	1341015	10/08/13	10/08/13	EPA 418.1	

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Texacoma La Plata 18 #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	10-Oct-13 08:18

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1341015 - 418 Freon Extraction										
Blank (1341015-BLK1)				Prepared & Analyzed: 08-Oct-13						
Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
Duplicate (1341015-DUP1)	**Source: P310023-01**			Prepared & Analyzed: 08-Oct-13						
Total Petroleum Hydrocarbons	24.0	20.0	mg/kg		28.0			15.3	30	
Matrix Spike (1341015-MS1)	**Source: P310023-01**			Prepared & Analyzed: 08-Oct-13						
Total Petroleum Hydrocarbons	599		mg/L	500	7.01	118	80-120			

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Texacoma La Plata 18 #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	10-Oct-13 08:18

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

XTO ENERGY
Western Division

Quote Number	Page ___ of ___	
XTO Contact: KURT HOEKSTRA	XTO Contact Phone #: 505-486-9543	
Email Results to: JAMES McDANIEL, KURT HOEKSTRA, LOGAN HIXON		
Well Site/Location: TEXACOMA LA PLATA 18#1	API Number: 30-045-30341	Test Reason: BGT CLOSURE
Collected By: KURT	Samples on Ice: (Y)N	Turnaround: X Standard; ___ Next 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 418.1

Lab Information: 98031-0528

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
FARKH-100713-1330	BGT CELLAR	S	10/7	13:30	ON ICE	1	P310024-01

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) Kurt Hoekstra	Date: 10-7-13	Time: 2:35	Received By: (Signature)	Number of Bottles	Sample Condition
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature:	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date: 10/7/13 Time: 14:35	

Comments

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

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Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Friday October 11, 2013

Report Number: L661814
Samples Received: 10/08/13
Client Project: 30-045-30341

Description: Texacoma La Plata 18 #1

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

October 11,2013

ESC Sample # : L661814-01

Site ID :

Project # : 30-045-30341

Date Received : October 08, 2013
Description : Texacoma La Plata 18 #1

Sample ID : FARKH-100713-1330

Collected By : Kurt Hoekstra
Collection Date : 10/07/13 13:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	52.	11.	mg/kg	9056	10/09/13	1
Total Solids	92.7	0.100	%	2540 G-2011	10/11/13	1
Benzene	BDL	0.0027	mg/kg	8021/8015	10/10/13	5
Toluene	BDL	0.027	mg/kg	8021/8015	10/10/13	5
Ethylbenzene	BDL	0.0027	mg/kg	8021/8015	10/10/13	5
Total Xylene	BDL	0.0081	mg/kg	8021/8015	10/10/13	5
TPH (GC/FID) Low Fraction	BDL	0.54	mg/kg	GRO	10/10/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	91.0		% Rec.	8021/8015	10/10/13	5
a,a,a-Trifluorotoluene(PID)	99.1		% Rec.	8021/8015	10/10/13	5
TPH (GC/FID) High Fraction	BDL	4.3	mg/kg	3546/DRO	10/10/13	1
Surrogate recovery(%)						
o-Terphenyl	78.0		% Rec.	3546/DRO	10/10/13	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 10/11/13 18:29 Printed: 10/11/13 18:29

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L661814-01	WG686339	SAMP	TPH (GC/FID) Low Fraction	R2838965	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/11/13 at 18:29:41

TSR Signing Reports: 288
R5 - Desired TAT

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James, Kurt and Logan all reports

Sample: L661814-01 Account: XTORNM Received: 10/08/13 09:00 Due Date: 10/15/13 00:00 RPT Date: 10/11/13 18:29

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XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L661814

October 11, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction	< 4	mg/kg			WG685985	10/10/13 10:01
o-Terphenyl		% Rec.	84.70	50-150	WG685985	10/10/13 10:01
Chloride	< 10	mg/kg			WG686110	10/09/13 13:38
Benzene	< .0005	mg/kg			WG686339	10/10/13 22:23
Ethylbenzene	< .0005	mg/kg			WG686339	10/10/13 22:23
Toluene	< .005	mg/kg			WG686339	10/10/13 22:23
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG686339	10/10/13 22:23
Total Xylene	< .0015	mg/kg			WG686339	10/10/13 22:23
a,a,a-Trifluorotoluene(FID)		% Rec.	76.10	59-128	WG686339	10/10/13 22:23
a,a,a-Trifluorotoluene(PID)		% Rec.	101.0	54-144	WG686339	10/10/13 22:23
Total Solids	< .1	%			WG686506	10/11/13 15:51

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	1300	1300	0.0	20	L661634-06	WG686110
Total Solids	%	85.5	86.4	1.01	5	L661593-03	WG686506

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction	mg/kg	60	45.0	75.1	50-150	WG685985
o-Terphenyl				82.30	50-150	WG685985
Chloride	mg/kg	200	182.	91.0	80-120	WG686110
Benzene	mg/kg	.05	0.0593	119.	70-130	WG686339
Ethylbenzene	mg/kg	.05	0.0592	118.	70-130	WG686339
Toluene	mg/kg	.05	0.0603	121.	70-130	WG686339
Total Xylene	mg/kg	.15	0.172	115.	70-130	WG686339
a,a,a-Trifluorotoluene(PID)				99.20	54-144	WG686339
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.93	108.	63.5-137	WG686339
a,a,a-Trifluorotoluene(FID)				104.0	59-128	WG686339
Total Solids	%	50	50.1	100.	85-115	WG686506

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	mg/kg	38.9	45.0	65.0	50-150	14.6	20	WG685985
o-Terphenyl				71.50	50-150			WG685985
Chloride	mg/kg	178.	182.	89.0	80-120	2.22	20	WG686110
Benzene	mg/kg	0.0603	0.0593	120.	70-130	1.53	20	WG686339
Ethylbenzene	mg/kg	0.0600	0.0592	120.	70-130	1.31	20	WG686339

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L661814

October 11, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
Toluene	mg/kg	0.0611	0.0603	122.	70-130	1.28	20	WG686339
Total Xylene	mg/kg	0.175	0.172	116.	70-130	1.36	20	WG686339
a,a,a-Trifluorotoluene(PID)				102.0	54-144			WG686339
TPH (GC/FID) Low Fraction	mg/kg	5.97	5.93	108.	63.5-137	0.660	20	WG686339
a,a,a-Trifluorotoluene(FID)				104.0	59-128			WG686339

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/kg	816.	340.	500	95.0	80-120	L661634-01	WG686110
Benzene	mg/kg	0.280	0.000401	.05	110.	49.7-127	L661814-01	WG686339
Ethylbenzene	mg/kg	0.264	0.000293	.05	110.	40.8-141	L661814-01	WG686339
Toluene	mg/kg	0.279	0.000739	.05	110.	49.8-132	L661814-01	WG686339
Total Xylene	mg/kg	0.767	0.00152	.15	100.	41.2-140	L661814-01	WG686339
a,a,a-Trifluorotoluene(PID)					100.0	54-144		WG686339
TPH (GC/FID) Low Fraction	mg/kg	18.6	0.0753	5.5	67.0	28.5-138	L661814-01	WG686339
a,a,a-Trifluorotoluene(FID)					98.80	59-128		WG686339
TPH (GC/FID) High Fraction	mg/kg	28.9	6.90	60	37.0*	50-150	L661691-01	WG685985
o-Terphenyl					65.70	50-150		WG685985

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	801.	816.	92.2	80-120	1.86	20	L661634-01	WG686110
Benzene	mg/kg	0.305	0.280	122.	49.7-127	8.54	23.5	L661814-01	WG686339
Ethylbenzene	mg/kg	0.288	0.264	115.	40.8-141	8.69	23.8	L661814-01	WG686339
Toluene	mg/kg	0.302	0.279	120.	49.8-132	7.76	23.5	L661814-01	WG686339
Total Xylene	mg/kg	0.836	0.767	111.	41.2-140	8.60	23.7	L661814-01	WG686339
a,a,a-Trifluorotoluene(PID)				101.0	54-144				WG686339
TPH (GC/FID) Low Fraction	mg/kg	23.9	18.6	86.7	28.5-138	25.2*	23.6	L661814-01	WG686339
a,a,a-Trifluorotoluene(FID)				101.0	59-128				WG686339
TPH (GC/FID) High Fraction	mg/kg	29.2	28.9	37.1*	50-150	1.03	20	L661691-01	WG685985
o-Terphenyl				68.00	50-150				WG685985

Batch number /Run number / Sample number cross reference

WG685985: R2838681: L661814-01
WG686110: R2838728: L661814-01
WG686339: R2838965: L661814-01
WG686506: R2839225: L661814-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L661814

October 11, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

XTO ENERGY
Western Division

Quote Number	Page ___ of ___	
XTO Contact: Kurt Hoekstra	XTO Contact Phone #: 505-486-9543	
Email Results to: James McDaniel, Kurt Hoekstra, Logan Hixon		
Well Site/Location: Texaco La Plata 18# 1	API Number: 30-045-30341	Test Reason: BGT Closure
Collected By: Kurt	Samples on Ice: (Y) N	Turnaround: X Standard; ___ Next 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!	

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Analysis: TPH 8015	BTEX 8021	Chloride					Lab Information: Sample Number
FARKH-100713-1330	BGT Cellar	S	10/7	13:30	on ice	1	X	X	X					

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

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: 10/7/13	Time: 15:00	Received By: (Signature)	Number of Bottles	Sample Condition
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature: 3.2	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab By: (Signature)	Date: 10/8/13 Time: 0700	

Comments: cont- 1

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

AR 7968 5714 2944 0426


XTO
ENERGY
1-866-479-5117
TEXAKOMA LA PLATA 18 #1
1296' FNL 665' FEL
NE/NE SEC 18A T31N R13W
LATITUDE 36.90398
LONGITUDE 108.23719
LEASE #FEE SURFACE FC-NMNM117681
API #30-045-30341
SAN JUAN COUNTY, NEW MEXICO

Well Below Tank Inspection Report

Division	Denver
Dates	-
	06/01/2008 - 11/01/2013
Type	Route Stop
Type Value	T

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 87B	Texoma La Plata 18 #001	Maestas, Joseph	Morrow, Pete	TEXAKOMA LA PLATA 18 01	3004530341	18	13W	31N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
brad	07/13/2009	12:22		No	No	No	No	4	Well Water Pit	Below Ground	
Luke	10/04/2009	14:58	No	No	No	No	No	6	Well Water Pit	Below Ground	No visible liner/well in-active
Luke	12/16/2009	14:15	No	No	No	No	No	6	Well Water Pit	Below Ground	No visible liner/well in-active
Luke	01/16/2010	10:55	No	No	No	No	No	6	Well Water Pit	Below Ground	No visible liner/well in-active/snow accum.
Luke	02/09/2010	10:55	No	No	No	No	No	6	Well Water Pit	Below Ground	No visible liner/well in-active/snow accum.
Luke	03/23/2010	10:40	No	No	No	No	No	6	Well Water Pit	Below Ground	
Luke	04/10/2010	11:20	No	No	No	No	No	6	Well Water Pit	Below Ground	
Luke	05/01/2010	13:05	No	No	No	No	No	6	Well Water Pit	Below Ground	
Buster	06/21/2010	12:45	No	No	No	No	No	6	Well Water Pit	Below Ground	
Buster	08/23/2010	14:10	No	No	No	No	No	6	Well Water Pit	Below Ground	
LUKE	09/08/2010	14:15	No	No	No	No	No	6	Well Water Pit	Below Ground	
LUKE	10/05/2010	12:30	No	No	No	No	No	6	Well Water Pit	Below Ground	
LUKE	11/01/2010	10:40	No	No	No	No	No	6	Well Water Pit	Below Ground	
LUKE	12/10/2010	13:17	No	No	No	No	No	6	Well Water Pit	Below Ground	
Chad	01/23/2011	10:54	No	No	No	No	No	6	Well Water Pit	Below Ground	
Chad	03/26/2011	09:52	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	4/18/2012	14:44	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	5/16/2012	13:32	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	6/29/2012	13:34	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	7/10/2012	10:12	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	8/6/2012	9:52	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	9/26/2012	10:00	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	10/31/2012	10:00	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	12/31/2012	12:19	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	1/29/2013	12:12	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	2/25/2013	14:00	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	3/20/2013	12:06	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	4/3/2013	10:18	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	5/10/2013	15:00	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	7/15/2013	13:26	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	8/1/2013	9:34	No	No	No	No	No	6	Well Water Pit	Below Ground	
Joseph Maestas	9/20/2013	12:33	No	No	No	No	No	6	Well Water Pit	Below Ground	