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

12434

OIL CONS. DIV DIST. 3

DEC 08 2014

Type of action:
45-24608
- ☐ 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: Ute Indian A # 21
API Number: 30-045-24608 OCD Permit Number:
U/L or Qtr/Qtr A Section 34 Township 32N Range 14W County: San Juan
Center of Proposed Design: Latitude 36.94926 Longitude -108.29022 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, no liner
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: _____



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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.**<br>- ☐ 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 .**<br>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)**<br>- 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)**<br>- 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)**<br>- 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)**<br>- 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).<br>- 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;.<br>- 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.)<br>- 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.<br>- 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.<br>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |

| | |
|---|---|
| Within 100 feet of a wetland.<br>- 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).<br>- 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.<br>- 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;<br>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| Within 300 feet of a wetland.<br>- 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).<br>- 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.<br>- 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.<br>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| Within 500 feet of a wetland.<br>- 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.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☐ No<br>☐ NA |
| Ground water is between 25-50 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☐ No<br>☐ NA |
| Ground water is more than 100 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☐ No<br>☐ 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).<br>- 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.<br>- 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.<br>- 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.<br>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.<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☐ No |
| Within the area overlying a subsurface mine.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | ☐ Yes ☐ No |
| Within an unstable area.<br>- 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.<br>- 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:** Jaetta D. Kelly **Approval Date:** 12/12/2014

**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: 11-3-2014**

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: 12-5-14

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: Ute Indians A # 21 | Facility Type: Gas Well (Ute Dome Dakota) |

| | | |
|---|---|---|
| Surface Owner: Ute Mountain Tribe | Mineral Owner | API No.: 30-045-24608 |

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|---|---|---|---|---|---|---|---|---|
| A | 34 | 32N | 14W | 935 | FNL | 980 | FEL | San Juan |

**Latitude** 36.94926 **Longitude** -108. 29022

## NATURE OF RELEASE

| | | |
|---|---|---|
| Type of Release: Produced Water | Volume of Release: Unknown | Volume Recovered: None |
| Source of Release: Below Grade Tank | Date and Hour of Occurrence: Unknown | Date and Hour of Discovery: 10-21-2014 |
| 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 Ute Indians A # 21 well site due to P & A of the location. The soil 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' spill confirmation standards for benzene, and total BTEX , but above the TPH Standard of 100 ppm via USEPA Method 418.1 at 471 ppm and the Chloride Standard of 250 ppm at 473 ppm via USEPA Method 300.0,confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 40 due to an estimated depth to groundwater of less than 50 feet, distance to a water well greater than 1000 feet, and distance to surface water less than 200 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.* Based on TPH results of 471 ppm via USEPA Method 418.1 and chloride results of 473 ppm via USEPA Method 300.0 a release has been confirmed at this location.

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<br>Approved by Environmental Specialist: | |
| Printed Name: Kurt Hoekstra | | |
| Title: EHS Coordinator | Approval Date: | Expiration Date: |
| E-mail Address: Kurt_Hoekstra@xtoenergy.com | Conditions of Approval: | Attached ☐ |
| Date: 12-5-14 Phone: 505-333-3100 | | |

* Attach Additional Sheets If Necessary

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

**Lease Name:** Ute Indian A # 21
**API No.:** 30-045-24608
**Description:** Unit A, Section 34, Township 32N, Range 14W, 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 November 3rd, 2014**

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 November 3rd, 2014**

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 Ute Indian A # 21 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 | **< 0.10 mg/kg** |
| BTEX | EPA SW-846 8021B or 8260B | 50 | **< 0.50 mg/kg** |
| TPH | EPA SW-846 418.1 | 100 | **471 mg/kg** |
| Chlorides | EPA 300.1 | 250 or background | **473 mg/kg** |
| TPH | EPA 8015 | 100 | **84.6 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 471 ppm, a release has been confirmed for this location. A C-141 Release Notification form will be sent outlining any remediation activities taken regarding this release**

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 9th, 2014; 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 9th, 2014 via email. Email has been approved as a means of surface owner notification to the Ute Mountain Ute Tribe 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 BIA, 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 BIA, BLM MOU**
    viii. Photo documentation of the site reclamation. **attached**

15. The closure date is past the one week notification requirement date due to unforeseen delays in the P & A activities at this well site.

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Analytical Laboratory

# Analytical Report

## Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0495

Samples Received: 10/17/2014 3:40:00PM

Job Number: 98031-0528

Work Order: P410076

Project Name/Location: Ute Indians A #21

Entire Report Reviewed By: _____ Date: 10/21/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 10/21/14 2:00 pm



5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
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envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hockstra | 21-Oct-14 14:03 |

## Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| BGT Cellar | P410076-01A | Soil | 10/17/14 | 10/17/14 | Glass Jar, 4 oz. |

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Analytical Laboratory

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hoekstra | 21-Oct-14 14:03 |

## BGT Cellar

### P410076-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Benzene | ND | 0.10 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8021B | |
| Toluene | ND | 0.10 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8021B | |
| Ethylbenzene | ND | 0.10 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8021B | |
| p,m-Xylene | ND | 0.20 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8021B | |
| o-Xylene | ND | 0.10 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8021B | |
| Total Xylenes | ND | 0.10 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8021B | |
| Total BTEX | ND | 0.10 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8021B | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | | *50-150* | *1442036* | *10/17/14* | *10/20/14* | *EPA 8021B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 10.0 | mg/kg | 1 | 1442036 | 10/17/14 | 10/20/14 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | **84.6** | 30.0 | mg/kg | 1 | 1443003 | 10/20/14 | 10/20/14 | EPA 8015D | |
| *Surrogate: o-Terphenyl* | | *86.6 %* | | *50-200* | *1443003* | *10/20/14* | *10/20/14* | *EPA 8015D* | |
| *Surrogate: 4-Bromochlorobenzene-FID* | | *93.1 %* | | *50-150* | *1442036* | *10/17/14* | *10/20/14* | *EPA 8015D* | |
| **Total Petroleum Hydrocarbons by 418.1** | | | | | | | | | |
| Total Petroleum Hydrocarbons | **471** | 34.9 | mg/kg | 1 | 1443014 | 10/20/14 | 10/20/14 | EPA 418.1 | |
| **Cation/Anion Analysis** | | | | | | | | | |
| Chloride | **473** | 9.90 | mg/kg | 1 | 1443001 | 10/20/14 | 10/20/14 | EPA 300.0 | |

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hoekstra | 21-Oct-14 14:03 |

## Volatile Organics by EPA 8021 - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1442036 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1442036-BLK1)** | | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Benzene | ND | 0.10 | mg/kg | | | | | | | |
| Toluene | ND | 0.10 | " | | | | | | | |
| Ethylbenzene | ND | 0.10 | " | | | | | | | |
| p,m-Xylene | ND | 0.20 | " | | | | | | | |
| o-Xylene | ND | 0.10 | " | | | | | | | |
| Total Xylenes | ND | 0.10 | " | | | | | | | |
| Total BTEX | ND | 0.10 | " | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *0.387* | | " | *0.399* | | *96.9* | *50-150* | | | |
| **LCS (1442036-BS1)** | | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Benzene | 20.8 | 0.10 | mg/kg | 20.0 | | 104 | 75-125 | | | |
| Toluene | 19.7 | 0.10 | " | 20.0 | | 98.8 | 70-125 | | | |
| Ethylbenzene | 19.5 | 0.10 | " | 20.0 | | 97.3 | 75-125 | | | |
| p,m-Xylene | 38.6 | 0.20 | " | 40.0 | | 96.5 | 80-125 | | | |
| o-Xylene | 19.0 | 0.10 | " | 20.0 | | 95.1 | 75-125 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *0.408* | | " | *0.400* | | *102* | *50-150* | | | |
| **Matrix Spike (1442036-MS1)** | **Source: P410064-01** | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Benzene | 19.2 | 0.10 | mg/kg | 19.9 | ND | 96.4 | 75-125 | | | |
| Toluene | 19.3 | 0.10 | " | 19.9 | ND | 97.0 | 70-125 | | | |
| Ethylbenzene | 19.5 | 0.10 | " | 19.9 | ND | 97.9 | 75-125 | | | |
| p,m-Xylene | 39.5 | 0.20 | " | 39.9 | ND | 99.0 | 80-125 | | | |
| o-Xylene | 19.6 | 0.10 | " | 19.9 | ND | 98.2 | 75-125 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *0.407* | | " | *0.399* | | *102* | *50-150* | | | |
| **Matrix Spike Dup (1442036-MSD1)** | **Source: P410064-01** | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Benzene | 19.3 | 0.10 | mg/kg | 20.0 | ND | 96.7 | 75-125 | 0.431 | 15 | |
| Toluene | 19.5 | 0.10 | " | 20.0 | ND | 97.9 | 70-125 | 1.03 | 15 | |
| Ethylbenzene | 19.6 | 0.10 | " | 20.0 | ND | 98.2 | 75-125 | 0.393 | 15 | |
| p,m-Xylene | 39.7 | 0.20 | " | 39.9 | ND | 99.4 | 80-125 | 0.472 | 15 | |
| o-Xylene | 19.7 | 0.10 | " | 20.0 | ND | 98.7 | 75-125 | 0.665 | 15 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *0.408* | | " | *0.399* | | *102* | *50-150* | | | |

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Analytical Laboratory

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hoekstra | 21-Oct-14 14:03 |

## Nonhalogenated Organics by 8015 - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1442036 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1442036-BLK1)** | | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 9.98 | mg/kg | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-FID* | *0.353* | | " | *0.399* | | *88.5* | *50-150* | | | |
| **LCS (1442036-BS1)** | | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Gasoline Range Organics (C6-C10) | 277 | 9.99 | mg/kg | 292 | | 95.0 | 80-120 | | | |
| *Surrogate: 4-Bromochlorobenzene-FID* | *0.375* | | " | *0.400* | | *93.8* | *50-150* | | | |
| **Matrix Spike (1442036-MS1)** | **Source: P410064-01** | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Gasoline Range Organics (C6-C10) | 278 | 9.96 | mg/kg | 291 | ND | 95.6 | 75-125 | | | |
| *Surrogate: 4-Bromochlorobenzene-FID* | *0.370* | | " | *0.399* | | *92.8* | *50-150* | | | |
| **Matrix Spike Dup (1442036-MSD1)** | **Source: P410064-01** | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| Gasoline Range Organics (C6-C10) | 279 | 9.98 | mg/kg | 291 | ND | 95.9 | 75-125 | 0.477 | 15 | |
| *Surrogate: 4-Bromochlorobenzene-FID* | *0.372* | | " | *0.399* | | *93.2* | *50-150* | | | |

envirotech
Analytical Laboratory

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hoekstra | 21-Oct-14 14:03 |

## Nonhalogenated Organics by 8015 - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1443003 - DRO Extraction EPA 3550M** | | | | | | | | | | |
| **Blank (1443003-BLK1)** | | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 24.9 | mg/kg | | | | | | | |
| *Surrogate: o-Terphenyl* | *39.6* | | " | *39.9* | | *99.3* | *50-200* | | | |
| **LCS (1443003-BS1)** | | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Diesel Range Organics (C10-C28) | 518 | 24.9 | mg/kg | 499 | | 104 | 38-132 | | | |
| *Surrogate: o-Terphenyl* | *39.8* | | " | *39.9* | | *99.8* | *50-200* | | | |
| **Matrix Spike (1443003-MS1)** | **Source: P410076-01** | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Diesel Range Organics (C10-C28) | 618 | 29.9 | mg/kg | 498 | 84.6 | 107 | 38-132 | | | |
| *Surrogate: o-Terphenyl* | *42.1* | | " | *39.9* | | *106* | *50-200* | | | |
| **Matrix Spike Dup (1443003-MSD1)** | **Source: P410076-01** | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Diesel Range Organics (C10-C28) | 660 | 29.9 | mg/kg | 499 | 84.6 | 115 | 38-132 | 6.44 | 20 | |
| *Surrogate: o-Terphenyl* | *42.3* | | " | *39.9* | | *106* | *50-200* | | | |

envirotech
Analytical Laboratory

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hoekstra | 21-Oct-14 14:03 |

## 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 1443014 - 418 Freon Extraction** | | | | | | | | | | |
| **Blank (1443014-BLK1)** | | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Total Petroleum Hydrocarbons | ND | 34.9 | mg/kg | | | | | | | |
| **Duplicate (1443014-DUP1)** | | **Source: P410074-01** | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Total Petroleum Hydrocarbons | 13500 | 350 | mg/kg | | 13600 | | | 0.914 | 30 | |
| **Matrix Spike (1443014-MS1)** | | **Source: P410074-01** | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Total Petroleum Hydrocarbons | 16000 | 349 | mg/kg | 2010 | 13600 | 117 | 80-120 | | | |

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Analytical Laboratory

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hoekstra | 21-Oct-14 14:03 |

## Cation/Anion Analysis - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1443001 - Anion Extraction EPA 300.0** | | | | | | | | | | |
| **Blank (1443001-BLK1)** | | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Chloride | ND | 9.87 | mg/kg | | | | | | | |
| **LCS (1443001-BS1)** | | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Chloride | 495 | 9.91 | mg/kg | 496 | | 99.9 | 90-110 | | | |
| **Matrix Spike (1443001-MS1)** | **Source: P410074-01** | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Chloride | 728 | 9.97 | mg/kg | 498 | 228 | 100 | 80-120 | | | |
| **Matrix Spike Dup (1443001-MSD1)** | **Source: P410074-01** | | | Prepared & Analyzed: 20-Oct-14 | | | | | | |
| Chloride | 722 | 9.90 | mg/kg | 495 | 228 | 99.9 | 80-120 | 0.794 | 20 | |

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Analytical Laboratory

| | | | |
|---|---|---|---|
| XTO Energy Inc. | Project Name: | Ute Indians A #21 | |
| 382 CR 3100 | Project Number: | 98031-0528 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Kurt Hoekstra | 21-Oct-14 14:03 |

## 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 |

RUSH

XTO ENERGY
Western Division

| | |
|---|---|
| Quote Number | |
| Page ___ of ___ | |
| XTO Contact: KURT | XTO Contact Phone #: 486-9543 |
| Email Results to: JAMES, KURT, LOGAN | |
| Well Site/Location: UTE INDIANS A #21 | API Number: 30-045-24608 |
| Test Reason: BGT CLOSURE | |
| Collected By: KURT | Samples on Ice: (Y) N |
| Company: XTO | QA/QC Requested: Y |
| Signature: Kurt Hackler | Gray Areas for Lab Use Only! |

Turnaround
___ Standard
_X_ Next Day RUSH
___ Two Day
___ Three Day
___ Std. 5 Bus. Days (by contract)
Date Needed _____

Analysis: TPH 8015 GRO/DRO; TPH 418.1; BTEX 8021; CHLORIDE

Lab Information: 98031-0521

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 |
|---|---|---|---|---|---|---|---|
| FARJM-101714-1425 | BGT CELLAR | S | 10/17 | 1425 | ON ICE | 1 | P410576-01 |

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 Hackler | Date: 10-17-14 | Time: 3:40 | Received By: (Signature) | Number of Bottles | Sample Condition |
| Relinquished By: (Signature) | Date: | Time: | Received By: (Signature) | Temperature: 9.3 | Other Information |
| Relinquished By: (Signature) | Date: | Time: | Received for Lab by: (Signature) | Date: 10/17/14 Time: 1540 | |

Comments

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

90

## Hoekstra, Kurt

**From:** Hoekstra, Kurt
**Sent:** Thursday, October 09, 2014 12:43 PM
**To:** Brandon Powell (brandon.powell@state.nm.us)
**Subject:** Notification BGT closure Ute Indians A # 21

Brandon,

Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 21 well site (API # 30-045-24608) located in
Unit A, Section 34, Township 32N, Range 14W, San Juan County, New Mexico. This below grade tank is being closed due to the P & A of this well.

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

## Hoekstra, Kurt

**From:** Hoekstra, Kurt
**Sent:** Thursday, October 09, 2014 12:42 PM
**To:** 'ghammond@utemountain.org'
**Subject:** BGT Closure Notifications Ute Indians A # 21

Mr. Hammond,

Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 21 well site (API # 30-045-24608) located in
Unit A, Section 34, Township 32N, Range 14W, San Juan County, New Mexico. This below grade tank is being closed due to the P & A of this well.

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

XTO ENERGY

# Well Below Tank Inspection Report

| | |
|---|---|
| Division | Denver |
| Dates | 06/01/2008 - 11/01/2014 |
| Type | Route Stop |
| Type Value | U |

| RouteName | StopName | Pumper | Foreman | WellName | APIWellNumber | Section | Range | Towns |
|---|---|---|---|---|---|---|---|---|
| Below Grade Pit Forms (Temp.) | Ute Indians A 21 | Blackburn, Shawi | Unassigned | UTE INDIANS A 21 (PA) | 3004524608 | 34 | 14W | 32N |

| InspectorName | Inspection Date | Inspection Time | Visible LinerTears | VisibleTankLeak Overflow | Collection OfSurfaceRun | Visible LayerOil | Visible Leak | Freeboard EstFT | PitLocation | PitType | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| dr | 02/22/2009 | 02:00 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| dr | 03/13/2009 | 10:00 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| dr | 04/21/2009 | 09:00 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| dr | 05/13/2009 | 12:34 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| dr | 06/14/2009 | 12:00 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| dr | 07/07/2009 | 09:05 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| dr | 09/20/2009 | 11:50 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| dr | 10/12/2009 | 12:00 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 11/19/2009 | 11:05 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| mth | 12/10/2009 | 12:19 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| mth | 12/12/2009 | 01:29 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| mth | 01/12/2010 | 01:30 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| mth | 03/16/2010 | 11:39 | No | No | No | Yes | No | 1 | Well Water Pit | Below Ground | |
| mth | 04/13/2010 | 11:53 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 05/10/2010 | 10:37 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| mth | 06/18/2010 | 12:45 | No | No | No | Yes | No | 5 | Well Water Pit | Below Ground | |
| mth | 07/18/2010 | 11:11 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 08/09/2010 | 12:58 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| mth | 09/10/2010 | 11:48 | No | No | No | Yes | No | 2 | Well Water Pit | Below Ground | |
| mth | 11/13/2010 | 12:21 | No | No | No | Yes | No | 6 | Well Water Pit | Below Ground | |
| mth | 12/12/2010 | 09:50 | No | No | No | Yes | No | 5 | Well Water Pit | Below Ground | |
| mth | 01/14/2011 | 14:28 | No | No | No | Yes | No | 5 | Well Water Pit | Below Ground | |
| mth | 02/11/2011 | 15:01 | No | No | No | Yes | No | 5 | Well Water Pit | Below Ground | |
| mth | 03/18/2011 | 13:06 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| mth | 04/27/2011 | 11:10 | No | No | No | Yes | No | 6 | Well Water Pit | Below Ground | |
| mth | 05/09/2011 | 09:47 | No | No | No | Yes | No | 6 | Well Water Pit | Below Ground | |
| mth | 6/13/2011 | 10:24 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 7/12/2011 | 9:13 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 8/9/2011 | 13:16 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 9/12/2011 | 10:33 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 10/11/2011 | 10:02 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 11/7/2011 | 11:23 | No | No | No | Yes | No | 2 | Well Water Pit | Below Ground | |
| mth | 12/1/2011 | 10:37 | No | No | No | Yes | No | 5 | Well Water Pit | Below Ground | |
| mth | 1/9/2012 | 11:08 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 2/2/2012 | 11:29 | No | No | No | Yes | No | 4 | Well Water Pit | Below Ground | |
| mth | 3/6/2012 | 11:24 | No | No | No | Yes | No | 6 | Well Water Pit | Below Ground | |
| mth | 4/3/2012 | 11:28 | No | No | No | Yes | No | 5 | Well Water Pit | Below Ground | |
| Buster | 5/2/2012 | 11:40 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| Buster | 7/2/2012 | 10:50 | No | No | No | Yes | No | 3 | Well Water Pit | Below Ground | |
| Buster | 4/1/2013 | 14:10 | No | No | No | Yes | No | 2 | Well Water Pit | Below Ground | |