

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

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

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

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

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

1. Operator: XTO Energy, Inc. OGRID #: 5380  
Address: 8382 County Road 3100, Aztec, NM 87410  
Facility or well name: UTE INDIAN A #14  
API Number: 300-045-23500 OCD Permit Number: \_\_\_\_\_  
UL or Qtr/Qtr M Section 25 Township 32N Range 14W County: SAN JUAN  
Center of Proposed Design: Latitude 36.95506 Longitude 108.26571 NAD: ☐ 1927 ☒ 1983  
Surface Owner: ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2. ☐ Pit: Subsection F or G of 19.15.17.11 NMAC  
Temporary: ☐ Drilling ☐ Workover  
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A  
☐ Lined ☐ Unlined Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

RCVD APR 1 '13  
OIL CONS. DIV.  
DIST. 3

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

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

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

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

- ☐ Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)
- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☒ Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing

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

- ☐ Screen ☐ Netting ☒ Other Expanded metal or solid vaulted top
- ☐ Monthly inspections (If netting or screening is not physically feasible)

8. **Signs:** Subsection C of 19.15.17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15.3.103 NMAC

9. **Administrative Approvals and Exceptions:**

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

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

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

10. **Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

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

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

11.

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

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

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

12.

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

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

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

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

13.

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

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Climatological Factors Assessment  
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Quality Control/Quality Assurance Construction and Installation Plan  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan  
☐ Emergency Response Plan  
☐ Oil Field Waste Stream Characterization  
☐ Monitoring and Inspection Plan  
☐ Erosion Control Plan  
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

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

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

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

15.

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

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

16.

**Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)**

**Instructions:** Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: \_\_\_\_\_

Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_

Disposal Facility Permit Number: \_\_\_\_\_

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

**Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC**

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

Ground water is less than 50 feet below the bottom of the buried waste.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No☐ NA

Ground water is between 50 and 100 feet below the bottom of the buried waste

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No☐ NA

Ground water is more than 100 feet below the bottom of the buried waste.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No☐ NA

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ No

Within 500 feet of a wetland.

- U.S. Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

18.

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

☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

**Operator Application Certification:**

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

Name (Print): Kim Champlin Title: Environmental RepresentativeSignature: Kim Champlin Date: 11/17/08e-mail address: kim\_champlin@xtenergy.com Telephone: (505) 333-3100

20.

OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)OCD Representative Signature: [Signature] Approval Date: 2/20/15Title: Senior Hydrologist Compliance Officer  
OCD Permit Number: \_\_\_\_\_

21.

**Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*☒ Closure Completion Date: 3-4-13

22.

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

23.

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

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

- ☐
- Site Reclamation (Photo Documentation)
- 
- ☐
- Soil Backfilling and Cover Installation
- 
- ☐
- Re-vegetation Application Rates and Seeding Technique

24.

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

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

On-site Closure Location: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: ☐ 1927 ☐ 1983

25.

**Operator Closure Certification:**

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

Name (Print): KURT HOEKSTRA Title: ENVIRONMENTAL COORDINATORSignature: Kurt Hoekstra Date: 3-18-13e-mail address: KURT.HOEKSTRA@XTENERGY.COM Telephone: 505-333-3100

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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) 333-3202	
Facility Name: Ute Indian A # 14 (30-045-23500)	Facility Type: Gas Well (Ute Dome Dakota)	
Surface Owner: Ute Mountain Tribe	Mineral Owner:	Lease No.

### LOCATION OF RELEASE


Unit Letter M	Section 25	Township 32N	Range 14W	Feet from the 1050	North/South Line FSL	Feet from the 850	East/West Line FWL	County San Juan
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Latitude: 36.95506 Longitude: -108.26571

### 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: 2-20-2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 Indian A # 14 well site due to plugging and abandoning of the well. 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' spill confirmation standards for benzene, total BTEX and chlorides, but above the 100 ppm TPH standard at 10300 ppm via USEPA Method 418.1, 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 0 due to an estimated depth to groundwater of greater than 100 feet and a distance to surface water of more than 1,000 feet and distance to a water well of greater than 1,000 feet. This set the closure standard to 5000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.		
Describe Area Affected and Cleanup Action Taken.*Based on TPH results of 1030 ppm via USEPA Method 418.1 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.		

### OIL CONSERVATION DIVISION

Signature: 	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 <input type="checkbox"/>
Date: 3-18-2013 Phone: 505-333-3202		

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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) 333-3202
Facility Name: Ute Indian A # 14 (30-045-23500)	Facility Type: Gas Well (Ute Dome Dakota)

Surface Owner: Ute Mountain Tribe	Mineral Owner:	Lease No.
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#### LOCATION OF RELEASE

Unit Letter M	Section 25	Township 32N	Range 14W	Feet from the 1050	North/South Line FSL	Feet from the 850	East/West Line FWL	County San Juan
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Latitude: 36.95506 Longitude: -108.26571

#### 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: 2-20-2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

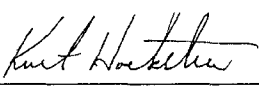
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*The below grade tank was removed at the Ute Indian A # 14 well site due to plugging and abandoning of the well. 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' spill confirmation standards for benzene, total BTEX and chlorides, but above the 100 ppm TPH standard at 1030 ppm via USEPA Method 418.1, 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 0 due to an estimated depth to groundwater of greater than 100 feet and a distance to surface water of more than 1,000 feet and distance to a water well of greater than 1,000 feet. This set the closure standard to 5000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.\*  
The below grade tank closure sample was analyzed for DRO/GRO via USEPA Method 8015, returning results of 44 mg/kg and < 0.58 mg/kg respectively. This is below the 5000 ppm closure standard determined for this site. No further action is required regarding this incident.

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.

#### OIL CONSERVATION DIVISION

Signature: 	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 <input type="checkbox"/>
Date: 3-18-2013	Phone: 505-333-3202		

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

**Lease Name: Ute Indian A # 14**

**API No.: 30-045-23500**

**Description: Unit M, Section 25, 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 March 4, 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 March 4, 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 Ute Indian A # 14 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	< 0.0029 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.0435558 mg/kg
TPH	EPA SW-846 418.1	100	1030 mg/kg
Chlorides	EPA 300.1	250 or background	120 mg/kg
TPH ( Spill Rule)	EPA Method 8015 Modified	5000	44 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 results of 1030 ppm beneath our BGT, 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 February 20, 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 February 20, 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 location will be reclaimed pursuant to the BLM MOU**

14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:

- i. Proof of closure notice to division and surface owner; **attached**
- ii. Details on capping and covering, where applicable; **per OCD Specifications**
- iii. Inspection reports; **attached**
- iv. Confirmation sampling analytical results; **attached**
- v. Disposal facility name(s) and permit number(s); **see above**
- vi. Soil backfilling and cover installation; **per OCD Specifications**
- vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **Per BLM MOU**
- viii. Photo documentation of the site reclamation. **attached**

Kurt Hoekstra /FAR/CTOC  
02/20/2013 09:44 AM

To Brandon Powell  
cc  
bcc  
Subject Notification for BGT Closure at the Ute Indians A # 14

Brandon,

Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 14 well site (API # 30-039-23500) located in Unit M, Section 25, 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  
Sr. Environmental Technician  
XTO Energy  
505-333-3202 Office  
505-486-9543 Cell  
Kurt\_Hoekstra@xtoenergy.com

Kurt Hoekstra /FAR/CTOC

02/20/2013 10:04 AM

To ghammond@utemountain.org

cc

bcc

Subject Notification for BGT closure at the Ute Indians A # 14

I'm sorry this notification is for the BGT closure at the Ute Indians A # 14 see correction in the subject line.  
Thank You.

Mr. Hammond,

Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 14 well site (API # 30-039-23500) located in Unit M, Section 25, 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  
Sr. Environmental Technician  
XTO Energy  
505-333-3202 Office  
505-486-9543 Cell  
Kurt\_Hoekstra@xtoenergy.com



## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 15218

Samples Received: 2/19/2013 4:25:00PM

Job Number: 98031-0528

Work Order: P302091

Project Name/Location: UTE Indians A #14

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 2/20/13

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: UTE Indians A #14  
Project Number: 98031-0528  
Project Manager: James McDaniel

Reported:  
20-Feb-13 13:11

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P302091-01A	Soil	02/19/13	02/19/13	Glass Jar, 4 oz.

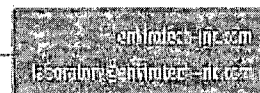
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Ph (970) 259-0615 Fr (800) 362-1879





XTO Energy Inc.	Project Name:	UTE Indians A #14	Reported: 20-Feb-13 13:11
382 CR 3100	Project Number:	98031-0528	
Aztec NM, 87410	Project Manager:	James McDaniel	

**BGT Cellar**  
**P302091-01 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						

**Total Petroleum Hydrocarbons by 418.1**

Total Petroleum Hydrocarbons	1030	20.0	mg/kg	3.998	1308021	20-Feb-13	20-Feb-13	EPA 418.1	
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: UTE Indians A #14 Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 20-Feb-13 13:11
---	--	------------------------------

### 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 1308021 - 418 Freon Extraction

<b>Blank (1308021-BLK1)</b>		Prepared & Analyzed: 20-Feb-13								
Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
<b>Duplicate (1308021-DUP1)</b>		Source: P302085-01		Prepared & Analyzed: 20-Feb-13						
Total Petroleum Hydrocarbons	1270	20.0	mg/kg		1160			8.77	30	
<b>Matrix Spike (1308021-MS1)</b>		Source: P302085-01		Prepared & Analyzed: 20-Feb-13						
Total Petroleum Hydrocarbons	2800	20.0	mg/kg	2000	1150	82.0	80-120			

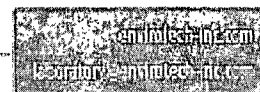
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XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: UTE Indians A #14  
Project Number: 98031-0528  
Project Manager: James McDaniel

Reported:  
20-Feb-13 13:11

#### 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

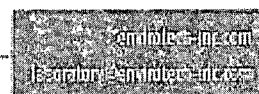
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Rust

## CHAIN OF CUSTODY RECORD

15218

Page 6 of 6

Client: XTO			Project Name / Location: UTE INDIANS A#14			ANALYSIS / PARAMETERS													
Email results to: JAMES MCDANIEL KURT HEKSTER, LOGAN HIXON			Sampler Name: KURT			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	PCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: 98031-0528																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
BOT CELLAR	2-19	10:15	P302091-01	(1) 4oz Jar	HgCl <sub>2</sub>	HCl													
Relinquished by: (Signature) <i>Kurt Hekster</i>				Date 2-19	Time 4:25	Received by: (Signature) <i>[Signature]</i>				Date 2/19/13	Time 4:25								
Relinquished by: (Signature)						Received by: (Signature)													
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			

☐ Sample(s) dropped off after hours to secure drop off area.

**envirotech**  
Analytical Laboratory

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Tax I.D. 62-0814289  
  
Est. 1970

James McDaniel  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

### Report Summary

Friday February 22, 2013

Report Number: L620992

Samples Received: 02/20/13

Client Project:

Description: Ute Indians A14

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 Richards , ESC Representative

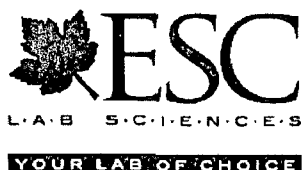
### Laboratory Certification Numbers

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.

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# REPORT OF ANALYSIS

February 22, 2013

James McDaniel  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

ESC Sample # : L620992-01

Date Received : February 20, 2013  
Description : Ute Indians A14

Site ID :

Sample ID : BGT CELLAR

Project # :

Collected By : Kurt  
Collection Date : 02/19/13 10:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	120	12.	mg/kg	9056	02/21/13	1
Total Solids	86.4	0.100	%	2540 G-2011	02/21/13	1
Benzene	BDL	0.0029	mg/kg	8021/8015	02/20/13	5
Toluene	BDL	0.029	mg/kg	8021/8015	02/20/13	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	02/20/13	5
Total Xylene	BDL	0.0087	mg/kg	8021/8015	02/20/13	5
TPH (GC/FID) Low Fraction	BDL	0.58	mg/kg	GRO	02/20/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	100.		% Rec.	8021/8015	02/20/13	5
a,a,a-Trifluorotoluene (PID)	99.3		% Rec.	8021/8015	02/20/13	5
TPH (GC/FID) High Fraction	44.	4.6	mg/kg	3546/DRO	02/21/13	1
Surrogate recovery(%)						
o-Terphenyl	94.4		% Rec.	3546/DRO	02/21/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 02/22/13 05:40 Printed: 02/22/13 05:40



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XTO Energy - San Juan Division  
James McDaniel  
382 County Road 3100

Aztec, NM 87410

**Quality Assurance Report  
Level II**

L620992

February 22, 2013

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg			WG637170	02/20/13 14:33
Ethylbenzene	< .0005	mg/kg			WG637170	02/20/13 14:33
Toluene	< .0005	mg/kg			WG637170	02/20/13 14:33
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG637170	02/20/13 14:33
Total Xylene	< .0015	mg/kg			WG637170	02/20/13 14:33
a,a,a-Trifluorotoluene(FID)		% Rec.	100.5	59-128	WG637170	02/20/13 14:33
a,a,a-Trifluorotoluene(PID)		% Rec.	99.69	54-144	WG637170	02/20/13 14:33
TPH (GC/FID) High Fraction	< 4	mg/kg			WG637728	02/20/13 23:27
o-Terphenyl		% Rec.	101.0	50-150	WG637728	02/20/13 23:27
Total Solids	< .1	%			WG637708	02/21/13 09:23
Chloride	< 10	mg/kg			WG637822	02/21/13 10:57

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	70.0	70.4	0.130	5	L620957-08	WG637708
Chloride	mg/kg	74.0	72.0	2.74	20	L621072-01	WG637822

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0544	109.	76-113	WG637170
Ethylbenzene	mg/kg	.05	0.0559	112.	78-115	WG637170
Toluene	mg/kg	.05	0.0547	109.	76-114	WG637170
Total Xylene	mg/kg	.15	0.171	114.	81-118	WG637170
a,a,a-Trifluorotoluene(PID)				102.2	54-144	WG637170
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.04	91.6	67-135	WG637170
a,a,a-Trifluorotoluene(FID)				100.6	59-128	WG637170
TPH (GC/FID) High Fraction	mg/kg	60	43.4	72.4	50-150	WG637728
o-Terphenyl				88.80	50-150	WG637728
Total Solids	%	50	50.1	100.	85-115	WG637708
Chloride	mg/kg	200	204.	102.	80-120	WG637822

Analyte	Units	Laboratory Control Sample Duplicate Result Ref %Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0509 0.0544 102.	76-113	6.66	20	WG637170
Ethylbenzene	mg/kg	0.0525 0.0559 105.	78-115	6.20	20	WG637170
Toluene	mg/kg	0.0513 0.0547 102.	76-114	6.45	20	WG637170
Total Xylene	mg/kg	0.160 0.171 107.	81-118	6.61	20	WG637170
a,a,a-Trifluorotoluene(PID)			99.26			WG637170
TPH (GC/FID) Low Fraction	mg/kg	5.08 5.04 92.0	67-135	0.780	20	WG637170
a,a,a-Trifluorotoluene(FID)			100.7			WG637170

\* 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  
James McDaniel  
382 County Road 3100  
Aztec, NM 87410

Quality Assurance Report  
Level II

L620992

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Est. 1970

February 22, 2013

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
TPH (GC/FID) High Fraction	mg/kg	45.9	43.4	76.0	50-150	5.62	20	WG637728
o-Terphenyl				90.10	50-150			WG637728
Chloride	mg/kg	205.	204.	102.	80-120	0.489	20	WG637822

Analyte	Units	MS Res	Matrix Spike			Limit	Ref Samp	Batch
			Ref Res	TV	% Rec			
Benzene	mg/kg	0.255	0	.05	102.	32-137	L620797-02	WG637170
Ethylbenzene	mg/kg	0.263	0	.05	105.	10-150	L620797-02	WG637170
Toluene	mg/kg	0.261	0	.05	104.	20-142	L620797-02	WG637170
Total Xylene	mg/kg	0.808	0.00208	.15	107.	16-141	L620797-02	WG637170
a,a,a-Trifluorotoluene (PID)					101.7	54-144		WG637170
TPH (GC/FID) Low Fraction	mg/kg	22.1	0.0637	5.5	80.0	55-109	L620797-02	WG637170
a,a,a-Trifluorotoluene (FID)					98.98	59-128		WG637170
Chloride	mg/kg	551.	64.0	500	97.4	80-120	L621075-01	WG637822

Analyte	Units	MSD	Ref	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
				%Rec						
Benzene	mg/kg	0.249	0.255	99.7		32-137	2.16	39	L620797-02	WG637170
Ethylbenzene	mg/kg	0.255	0.263	102.		10-150	3.28	44	L620797-02	WG637170
Toluene	mg/kg	0.252	0.261	101.		20-142	3.35	42	L620797-02	WG637170
Total Xylene	mg/kg	0.782	0.808	104.		16-141	3.31	46	L620797-02	WG637170
a,a,a-Trifluorotoluene (PID)				101.9		54-144				WG637170
TPH (GC/FID) Low Fraction	mg/kg	22.4	22.1	81.3		55-109	1.63	20	L620797-02	WG637170
a,a,a-Trifluorotoluene (FID)				99.15		59-128				WG637170
Chloride	mg/kg	569.	551.	101.		80-120	3.21	20	L621075-01	WG637822

Batch number / Run number / Sample number cross reference

WG637170: R2550837: L620992-01  
WG637728: R2551138: L620992-01  
WG637708: R2551307: L620992-01  
WG637822: R2552677: L620992-01

\* \* 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.'



**YOUR LAB OF CHOICE**

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Quality Assurance Report  
Level II

L620992

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Est. 1970

February 22, 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.







# Well Below Tank Inspection Report

03/18/2013

Division Denver  
Dates -  
06/01/2008 - 03/01/2013  
Type Route Stop  
Type Value U

RouteName		StopName		Pumper	Foreman	WellName		APIWellNumber		Section	Range	Township
DEN NM Run 87A		UTE INDIANS A 014		Magee, Chad	Morrow, Pete	UTE INDIANS A 14		3004523500		25	14W	32N
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes	
brad	07/13/2009	11:50	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground		
Luke	10/04/2009	11:36	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	No visible liner	
Buster	03/18/2010	13:50	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	No visible liner	
Buster	05/28/2010	10:15	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
Buster	06/19/2010	15:00	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
Buster	07/28/2010	13:05	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
Luke	08/29/2010	13:55	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
Luke	12/11/2010	14:30	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
CHAD	01/12/2011	14:30	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
CHAD	03/25/2011	01:21	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
CHAD	04/27/2011	11:43	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
CHAD	05/27/2011	11:36	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
CHAD	06/22/2011	10:10	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
CHAD	07/13/2011	10:05	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	
CHAD	08/22/2011	10:16	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner	

CHAD	10/28/2011	12:16	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	11/28/2011	10:16	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	01/30/2012	09:48	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	02/21/2012	09:52	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	03/12/2012	10:50	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	04/17/2012	10:38	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	05/31/2012	12:37	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	07/31/2012	10:53	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	08/28/2012	09:58	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	09/27/2012	08:58	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	10/02/2012	10:32	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	11/05/2012	09:37	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner
CHAD	12/05/2012	10:41	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	No visible liner

