

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

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

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

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

1.
Operator: XTO Energy, Inc. OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name: Ute Indians A # 36
API Number: 30-045-31604 OCD Permit Number: _____
U/L or Qtr/Qtr P Section 27 Township 32N Range 14W County: San Juan
Center of Proposed Design: Latitude 36.95417 Longitude -108.29028 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 _____
Liner type: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

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

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

6.

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

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

7.

Signs: Subsection C of 19.15.17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

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

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

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

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

General siting

Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.

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

☐ Yes ☒ No
☐ NA

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.

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

☐ Yes ☐ No
☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)**

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

☐ Yes ☐ No

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)**

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

☐ Yes ☐ No

Within an unstable area. **(Does not apply to below grade tanks)**

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

☐ Yes ☐ No

Within a 100-year floodplain. **(Does not apply to below grade tanks)**

- FEMA map

☐ Yes ☐ No

Below Grade Tanks

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).

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

☐ Yes ☒ No

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;

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

☐ Yes ☐ No

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.

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

☐ Yes ☐ No

Within 100 feet of a wetland.

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

☐ Yes ☐ No

Temporary Pit Non-low chloride drilling fluid

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

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

Within 300 feet of a wetland.

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

☐ Yes ☐ No

Permanent Pit or Multi-Well Fluid Management Pit

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

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

☐ Yes ☐ No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

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

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

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

☐ Yes ☐ No

Within 500 feet of a wetland.

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

☐ Yes ☐ No

10.

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

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

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

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

11.

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

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

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

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

12.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

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

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Climatological Factors Assessment
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Quality Control/Quality Assurance Construction and Installation Plan
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan
☐ Emergency Response Plan
☐ Oil Field Waste Stream Characterization
☐ Monitoring and Inspection Plan
☐ Erosion Control Plan
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.

Proposed Closure: 19.15.17.13 NMAC

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

- Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit
☐ Alternative
- Proposed Closure Method: ☐ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
 ☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.

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

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

15.

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

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

- | | |
|---|---|
| Ground water is less than 25 feet below the bottom of the buried waste.
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA |
| Ground water is between 25-50 feet below the bottom of the buried waste
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA |
| Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).
- Topographic map; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Written confirmation or verification from the municipality; Written approval obtained from the municipality | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 300 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 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

☐ Yes ☐ No

Within the area overlying a subsurface mine.

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

☐ Yes ☐ No

Within an unstable area.

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

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

16.

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


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

17.

Operator Application Certification:

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

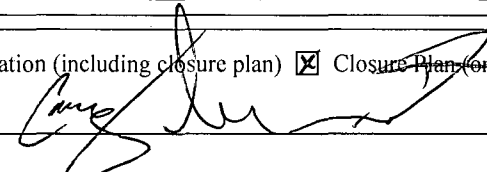
Name (Print): Kurt Hoekstra Title: EHS Coordinator

Signature:  Date: October 8th, 2014

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

18.

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

OCD Representative Signature:  Approval Date: 3/9/15

Title: Environmental Spec OCD Permit Number: _____

19.

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

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

☒ Closure Completion Date: 12-10-2014

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

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:  Date: 2-23-15

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

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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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 #36	Facility Type: Gas Well (Ute Dome Paradox)

Surface Owner: Ute Mountain Tribe	Mineral Owner	API No.: 30-045-31604
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	32N	14W	932	FSL	845	FEL	San Juan

Latitude 36.95417 Longitude -108.29028

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: 11-13-2014
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.	

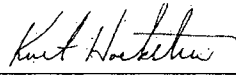
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was removed at the Ute Indians A # 36 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 Table 1 standards for benzene, TPH Method 418.1 chlorides, and total BTEX, but above the TPH Standard of 1000 ppm via USEPA Method 8015 at 1349 ppm. confirming that a release has occurred at this location. The Table 1 closure standard for this location is 2500 ppm TPH Method 418.1, 1000 ppm. TPH Method 8015 GRO + DRO, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.*Based on TPH results of 1349 ppm via USEPA Method 8015, 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 Environmental Specialist:		
Printed Name: Kurt Hoekstra			
Title: EHS Coordinator	Approval Date:	Expiration Date:	
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 2-23-15 Phone: 505-333-3100			

* Attach Additional Sheets If Necessary



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0109

Samples Received: 11/6/2014 4:10:00PM

Job Number: 98031-0528

Work Order: P411021

Project Name/Location: Ute Indians A #36

Entire Report Reviewed By:

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

Date: 11/13/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 11/12/14 3:25 pm

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 #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P411021-01A	Soil	11/06/14	11/06/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Ute Indians A #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

BGT Cellar
P411021-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8021B	
Toluene	0.12	0.10	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8021B	
Ethylbenzene	1.10	0.10	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8021B	
p,m-Xylene	17.2	0.20	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8021B	
o-Xylene	2.84	0.10	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8021B	
Total Xylenes	20.0	0.10	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8021B	
Total BTEX	21.2	0.10	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %		50-150		1445028	11/07/14	11/10/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	329	10.0	mg/kg	1		1445028	11/07/14	11/10/14	EPA 8015D	
Diesel Range Organics (C10-C28)	1020	30.0	mg/kg	1		1445029	11/07/14	11/07/14	EPA 8015D	
Surrogate: o-Terphenyl		114 %		50-200		1445029	11/07/14	11/07/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		91.0 %		50-150		1445028	11/07/14	11/10/14	EPA 8015D	
Total Petroleum Hydrocarbons by 418.1										
Total Petroleum Hydrocarbons	888	35.0	mg/kg	1		1446007	11/10/14	11/10/14	EPA 418.1	
Cation/Anion Analysis										
Chloride	275	9.98	mg/kg	1		1445031	11/07/14	11/07/14	EPA 300.0	

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Ute Indians A #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

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
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Batch 1445028 - Purge and Trap EPA 5030A

Blank (1445028-BLK1)

Prepared: 06-Nov-14 Analyzed: 07-Nov-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 0.371 " 0.400 92.8 50-150

LCS (1445028-BS1)

Prepared: 06-Nov-14 Analyzed: 07-Nov-14

Benzene	20.7	0.10	mg/kg	20.0	104	75-125
Toluene	20.3	0.10	"	20.0	102	70-125
Ethylbenzene	20.3	0.10	"	20.0	102	75-125
p,m-Xylene	41.8	0.20	"	40.0	105	80-125
o-Xylene	20.3	0.10	"	20.0	102	75-125

Surrogate: 4-Bromochlorobenzene-PID 0.380 " 0.400 95.0 50-150

Matrix Spike (1445028-MS1)

Source: P411019-01

Prepared: 06-Nov-14 Analyzed: 07-Nov-14

Benzene	21.2	0.10	mg/kg	20.0	ND	106	75-125
Toluene	20.6	0.10	"	20.0	ND	103	70-125
Ethylbenzene	20.9	0.10	"	20.0	ND	105	75-125
p,m-Xylene	42.6	0.20	"	39.9	ND	107	80-125
o-Xylene	21.1	0.10	"	20.0	ND	106	75-125

Surrogate: 4-Bromochlorobenzene-PID 0.387 " 0.399 97.0 50-150

Matrix Spike Dup (1445028-MSD1)

Source: P411019-01

Prepared: 06-Nov-14 Analyzed: 07-Nov-14

Benzene	18.4	0.10	mg/kg	20.0	ND	92.1	75-125	14.2	15	
Toluene	18.0	0.10	"	20.0	ND	90.0	70-125	13.6	15	
Ethylbenzene	17.4	0.10	"	20.0	ND	87.1	75-125	18.4	15	DI
p,m-Xylene	39.8	0.20	"	40.0	ND	99.6	80-125	6.70	15	DI
o-Xylene	18.3	0.10	"	20.0	ND	91.3	75-125	14.6	15	

Surrogate: 4-Bromochlorobenzene-PID 0.404 " 0.400 101 50-150

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Ute Indians A #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

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 1445028 - Purge and Trap EPA 5030A										
Blank (1445028-BLK1)				Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.363		"	0.400		90.9	50-150			
LCS (1445028-BS1)				Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Gasoline Range Organics (C6-C10)	273	9.99	mg/kg	292		93.5	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.371		"	0.400		92.9	50-150			
Matrix Spike (1445028-MS1)				Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14				
Gasoline Range Organics (C6-C10)	285	9.98	mg/kg	291	13.5	93.2	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.374		"	0.399		93.8	50-150			
Matrix Spike Dup (1445028-MSD1)				Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14				
Gasoline Range Organics (C6-C10)	418	9.99	mg/kg	292	13.5	139	75-125	37.8	15	D1
Surrogate: 4-Bromochlorobenzene-FID	0.351		"	0.400		87.7	50-150			

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Ute Indians A #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

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
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Batch 1445029 - DRO Extraction EPA 3550M

Blank (1445029-BLK1)

Prepared: 06-Nov-14 Analyzed: 07-Nov-14

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	42.9		"	40.0		107	50-200			

LCS (1445029-BS1)

Prepared: 06-Nov-14 Analyzed: 07-Nov-14

Diesel Range Organics (C10-C28)	517	25.0	mg/kg	500		103	38-132			
Surrogate: o-Terphenyl	44.4		"	40.0		111	50-200			

Matrix Spike (1445029-MS1)

Source: P411019-01

Prepared: 06-Nov-14 Analyzed: 07-Nov-14

Diesel Range Organics (C10-C28)	615	34.9	mg/kg	498	ND	123	38-132			
Surrogate: o-Terphenyl	50.9		"	39.9		128	50-200			

Matrix Spike Dup (1445029-MSD1)

Source: P411019-01

Prepared: 06-Nov-14 Analyzed: 07-Nov-14

Diesel Range Organics (C10-C28)	834	34.9	mg/kg	499	ND	167	38-132	30.2	20	D1
Surrogate: o-Terphenyl	67.9		"	39.9		170	50-200			

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Ute Indians A #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

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
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Batch 1446007 - 418 Freon Extraction

Blank (1446007-BLK1)

Prepared & Analyzed: 10-Nov-14

Total Petroleum Hydrocarbons ND 35.0 mg/kg

Duplicate (1446007-DUP1)

Source: P411026-01

Prepared & Analyzed: 10-Nov-14

Total Petroleum Hydrocarbons ND 35.0 mg/kg ND 30

Matrix Spike (1446007-MS1)

Source: P411026-01

Prepared & Analyzed: 10-Nov-14

Total Petroleum Hydrocarbons 1870 35.0 mg/kg 2020 ND 92.9 80-120

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laboratory@envirotech-inc.com



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Ute Indians A #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

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 1445031 - Anion Extraction EPA 300.0										
Blank (1445031-BLK1)				Prepared & Analyzed: 07-Nov-14						
Chloride	ND	9.82	mg/kg							
LCS (1445031-BS1)				Prepared & Analyzed: 07-Nov-14						
Chloride	472	9.98	mg/kg	499		94.6	90-110			
Matrix Spike (1445031-MS1)				Source: P411019-01 Prepared & Analyzed: 07-Nov-14						
Chloride	748	9.98	mg/kg	499	306	88.7	80-120			
Matrix Spike Dup (1445031-MSD1)				Source: P411019-01 Prepared & Analyzed: 07-Nov-14						
Chloride	715	9.91	mg/kg	495	306	82.6	80-120	4.54	20	

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Ute Indians A #36
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
13-Nov-14 13:24

Notes and Definitions

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.
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

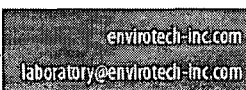
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**XTO Energy Inc.
San Juan Basin
Below Grade Tank
Closure Report**

Lease Name: Ute Indian A # 36

API No.: 30-045-31604

Description: Unit P, Section 27, 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 obtain approval of this closure plan prior to commencing closure of the below grade tank at this location pursuant to 19.15.17.13.C (1) NMAC
Approval date of this closure plan was November 3rd, 2014

2. XTO will notify the surface owner by certified mail, return receipt requested, that the operator plans closure operations at least 72 hours, but no more than one week, prior to any closure operation. Notice will include:

- a. Well Name
- b. API #
- c. Well Location

The surface owner was notified on November 3rd, 2014 via email. Email has been approved as a means of surface owner notification to the BLM by Brandon Powell, NMOCD Aztec Office.

3. XTO will notify the NMOCD Aztec Office by email that the operator plans closure operations at least 72 hours, but no more than one week, prior to any closure operation. Notice will include:
 - a. Well Name
 - b. API #
 - c. Well Location

Notification was provided to Mr. Cory Smith with the Aztec office of the OCD via email on November 3rd, 2014; see attached email printout.

4. Within 60 days of cessation of operations, 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:

- a. Soils, tank bottoms, produced sand, pit sludge and other exempt wastes impacted by petroleum hydrocarbons will be disposed of at:

Envirotech: Permit #NM01-0011 and IEL: Permit # NM01-0010B

- b. Produced Water will be disposed of at:

Basin Disposal: Permit # NM01-005 and XTO owned salt water Disposal Facilities

All liquids and sludge were removed from the tank prior to closure activities.

5. Within six (6) months of cessation of operations, 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. If there is any equipment associated with a below-grade tank, then the operator shall remove the equipment, unless the equipment is required for some other purpose.

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.

All equipment has been removed due to the plugging and abandoning of the Ute Indian A # 36 well site.

6. XTO will collect a closure sample of the soil beneath the location of the below grade tank that is being closed. The closure sample will consist of a five-point composite sample to include any obvious stained or wet soils, or other evidence of contamination. The closure sample will be analyzed for all constituents listed in Table I below, including DRO+GRO, Chlorides, TPH, benzene and BTEX.

A five point composite sample was taken of the pit using sampling tools and all samples tested per 19.15.17.1.3. (Sample results attached)

TABLE I

Depth Below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 Feet	Chloride	EPA 9056	600 mg/kg
	TPH	Method 418.1	100 mg/kg
	BTEX	Method 8021B	50 mg/kg
	Benzene	Method 8021B	10 mg/kg
51 feet - 100 feet	Chloride	EPA 9056	10,000 mg/kg
	TPH	Method 418.1	2,500 mg/kg
	GRO + DRO	Method 8015	1,000 mg/kg
	BTEX	Method 8021B	50 mg/kg
	Benzene	Method 8021B	10 mg/kg
> 100 feet	Chloride	EPA 9056	20,000 mg/kg
	TPH	EPA 418.1	2,500 mg/kg
	GRO + DRO	Method 8015	1,000 mg/kg
	BTEX	Method 8021B	50 mg/kg
	Benzene	Method 8021B	10 g/kg

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA 8021B	0.2	< 0.10 mg/kg
BTEX	EPA 8021B	50	21.2 mg/kg
TPH	EPA 418.1	2500	888 mg/kg
Chlorides	EPA 9056	20,000 mg/kg	275 mg/kg
TPH	EPA 8015	1,000 mg/kg	1349 mg/kg

7. XTO will meet the limits for <50' to groundwater detailed in table I.
 - a. In accordance with Rule 19.15.17.13.C(3)(b) if contaminant concentrations exceed the proposed limit and groundwater is found to be deeper than 50', XTO may elect to submit additional groundwater information to the Division and request a higher closure limit. XTO will submit the additional groundwater data via email documenting the depth to groundwater at the location. XTO will wait for approval of the groundwater data by the NMOCD, prior to completing closure activities at the site.

Groundwater at this location is estimated to be greater than 100 feet

- b. If a higher closure limit is submitted and approved by the Division, XTO will submit a copy of the request, the groundwater information and the received approval in their closure report

A 2500 ppm TPH Method 418.1 and 1000 ppm TPH Method 8015 GRO + DRO closure is requested for this location

8. If any contaminant concentration is higher than the parameters listed in Table I of 19.15.17.13 NMAC, the division may require additional delineation upon review of the results and the operator must receive approval before proceeding with closure. If all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, then the operator can proceed to backfill the pit, pad, or excavation with non-waste containing, uncontaminated, earthen material.

The pit cellar was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover.

9. After closure has occurred, XTO will reclaim the former BGT area, if it is no longer being used for extraction of oil and gas, by substantially restoring the impacted surface area to the condition that existed prior to oil and gas operations. XTO will construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover materials. The soil cover shall consist of the background thickness of topsoil, or one foot of suitable materials to establish vegetation at the site, whichever is greater. All areas will be reclaimed as early as practicable, and as close to their original condition or land use as possible. They shall be maintained in a way as to control dust and minimize erosion.

The site has been backfilled to match these specifications.

10. XTO will complete reclamation of all disturbed areas no longer in use when the ground disturbance activities at the site have been completed. The reseeding shall take place during the first favorable growing season after closure. Reclamation activities will be considered completed when a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels, and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.

The location will be recontoured to match the above specifications after the well has been

*Re-vegetation and reclamation obligations imposed by other applicable federal, state or tribal agencies on lands managed by those agencies shall supersede the above requirements, provided they provide equal or better protection of fresh water, human health and the environment.

11. XTO will notify the Aztec Office of the NMOCD by C-103 when reclamation and closure activities are completed.
12. Within 60 days of closure, XTO will submit a closure report to the Aztec office of the NMOCD, filed on Form C-144. The report will include the following:
 - a. Proof of closure notice to NMOCD and surface owner; **attached**
 - b. Confirmation sampling analytical results; **attached**
 - c. Soil backfill and cover installation information; **per OCD, BLM Specifications**
 - d. Photo documentation of site reclamation; **attached**
 - e. Alternative Table I groundwater criteria request, groundwater information and received approval. (If Needed); **attached**

Hoekstra, Kurt

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Monday, November 03, 2014 7:36 AM
To: Hoekstra, Kurt
Cc: McDaniel, James; Hixon, Logan; Powell, Brandon, EMNRD
Subject: RE: Ute Indians A # 36

Kurt,

After Reviewing the information Provided NMOCD is approving the closure plan with the following Condition:

- XTO will test soil beneath the BGT following the Testing methods as indicated in Table I of 19.15.17.13 NMAC
 - As indicated in the variance XTO may use USEPA Method 9056 in lieu of USEPA Method 300

From: Hoekstra, Kurt [mailto:Kurt_Hoekstra@xtoenergy.com]
Sent: Thursday, October 30, 2014 7:06 AM
To: Smith, Cory, EMNRD
Cc: McDaniel, James; Hixon, Logan; Powell, Brandon, EMNRD
Subject: RE: Ute Indians A # 36

Cory, construction has asked me about an approved closure plan for this location have you had another chance to look at this so I can make my notifications . We would like to start closure activities on Monday November 3rd if possible.

Thank You.

From: Smith, Cory, EMNRD [<mailto:Cory.Smith@state.nm.us>]
Sent: Tuesday, October 28, 2014 7:42 AM
To: Hoekstra, Kurt
Cc: McDaniel, James; Hixon, Logan; Powell, Brandon, EMNRD
Subject: RE: Ute Indians A # 36

Kurt,

The OCD does not allowed Operators to only reference previously approved permits. Please Print/Copy the pertinent ground water information from that permit and send it in by Email or hard copy and I can attach it to the current Closure Plan that is awaiting approval.

If you choose to send it in by hard copy please include a cover letter indicating which Closure plan it is for.

Thank you,

From: Hoekstra, Kurt [mailto:Kurt_Hoekstra@xtoenergy.com]
Sent: Monday, October 27, 2014 11:09 AM
To: Smith, Cory, EMNRD
Cc: McDaniel, James; Hixon, Logan
Subject: Ute Indians A # 36

Cory,

I am sending this second request for approval for the closure plan only for the BGT cellar at the Ute Indians A # 36. A BGT has already been closed at this same site in the same spot on this location, the BGT previously closed included ground water data when it was permitted in 2008 and is on the OCD data base. Referencing that depth to groundwater information of >100' XTO would like to close the current BGT at those ground water standards.

Below is the original request sent on 10-9-2014.

Hello Brandon and Cory,

Please accept this email as a request for approval of the closure plan only for the BGT at the Ute Indians A # 36 well site (API #30-045-31604) located in Unit P, Section 27, Township 32N, Range 14W, Lat. 36.95417 Long -108.29028 San Juan County, New Mexico. The BGT was closed on May 8th 2013 due to facility upgrades .The BGT was replaced in the same location, the current BGT is being closed due to P&A of the well. I will be sending a hard copy of our new closure plan only in today's mail for you approval. Thank you for your help with this matter.

Thank You.

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

Hoekstra, Kurt

From: Hoekstra, Kurt
Sent: Monday, November 03, 2014 8:25 AM
To: 'Smith, Cory, EMNRD'
Cc: McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan
Subject: BGT Closure Notification Ute Indians A # 36

Cory,

Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 36 well site (API #30-045-31604) located in Unit P, Section 27, Township 32N, Range 14W, San Juan County, New Mexico. This below grade tank is being closed due to the P & A of this well.

XTO would like to begin closure activities on 11-6-2014 at approximately 8:00 am.

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

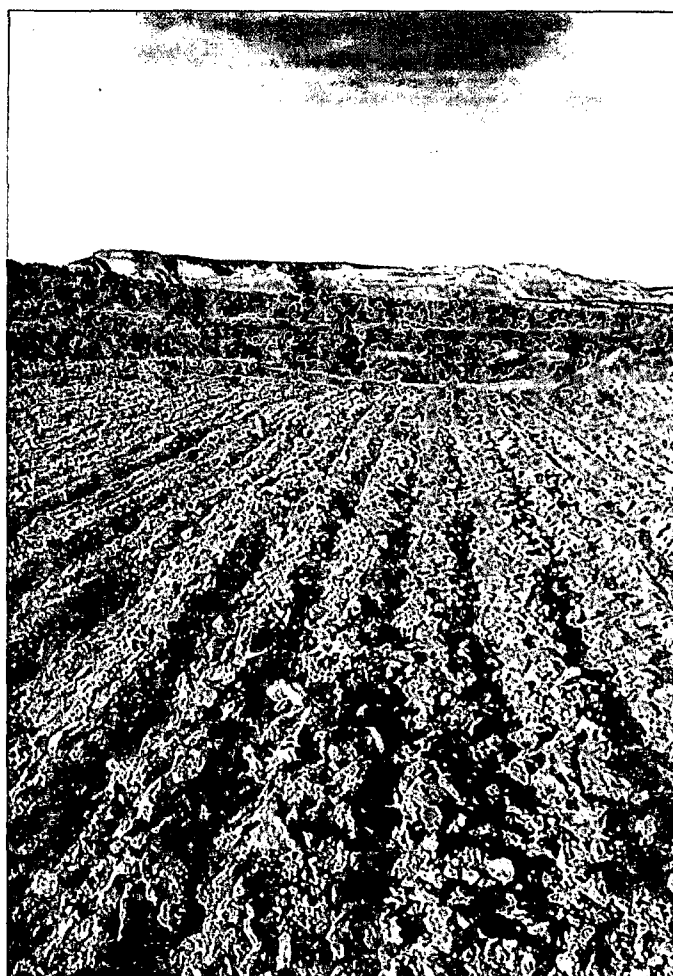
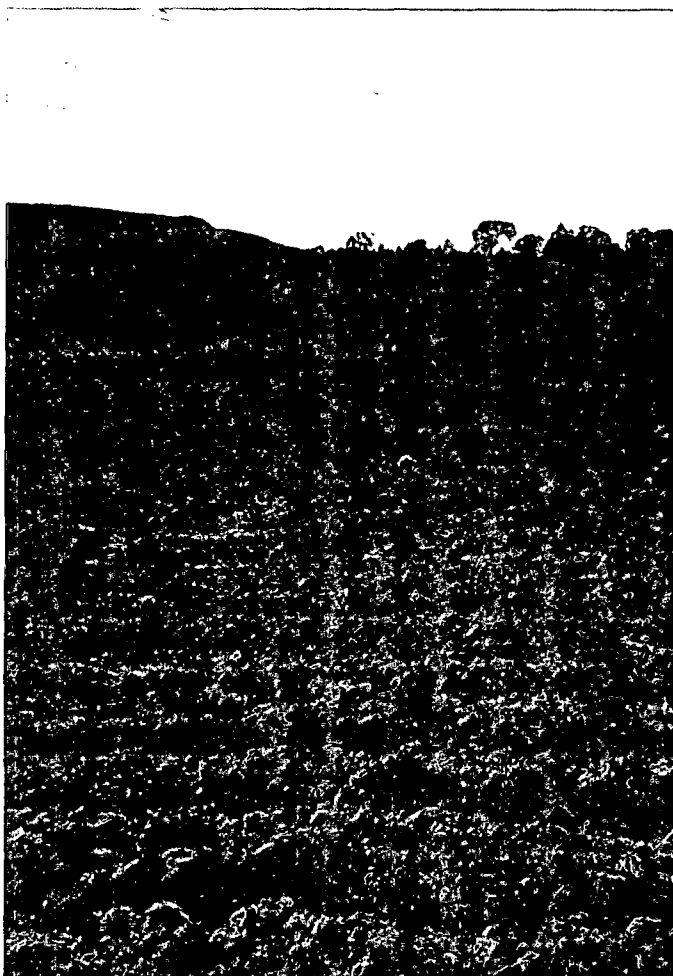
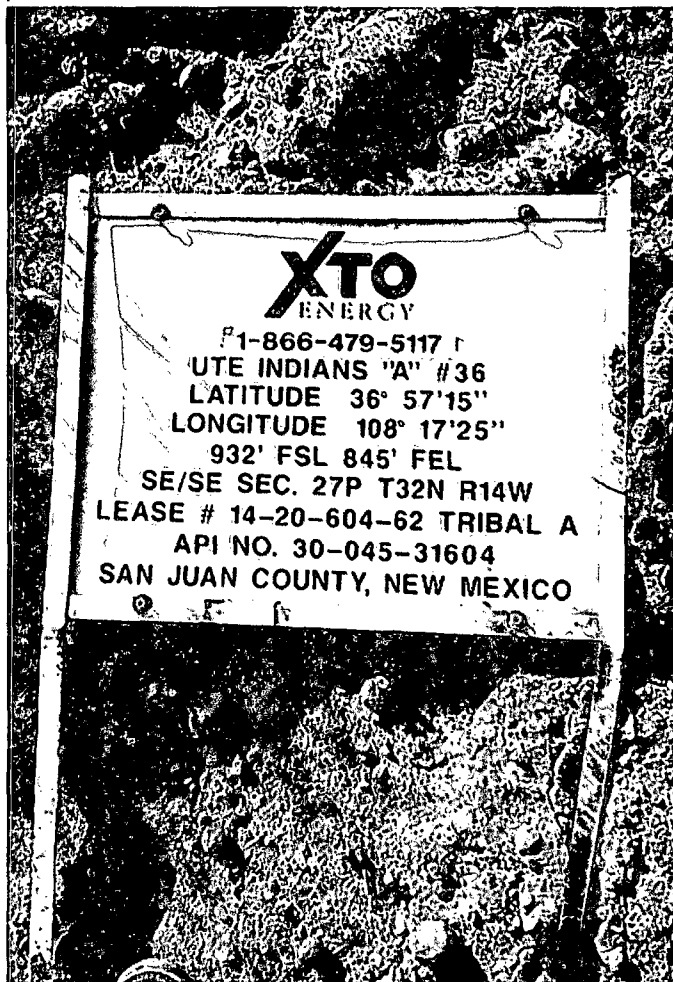
From: Hoekstra, Kurt
Sent: Monday, November 03, 2014 8:26 AM
To: 'ghammond@utemountain.org'
Cc: McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan
Subject: BGT Closure Notification Ute Indians A # 36

Mr. Hammond,

Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 36 well site (API #30-045-31604) located in Unit P, Section 27, 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



Division
 Dates
 Type
 Type Value

Denver
 06/01/2008 - 11/01/2014
 Route Stop
 U

InspectorName	Inspection Date	Inspection Time	Visible Liner Tears	Visible Tank Leak	Collection Of Surface Run	Visible Layer Oil	Visible Leak	Freeboard Est FT	Pit Location	Pit Type	Notes
DR	02/23/2009	11:55	No	No	No	No	No	4	Well Water Pit	Below Ground	
DR	03/08/2009	01:15	No	No	No	No	No	4	Well Water Pit	Below Ground	
DR	04/21/2009	08:45	No	No	No	No	No	4	Well Water Pit	Below Ground	
DR	05/13/2009	12:25	No	No	No	No	No	4	Well Water Pit	Below Ground	
DR	06/14/2009	12:00	No	No	No	No	No	4	Well Water Pit	Below Ground	
DR	07/06/2009	12:30	No	No	No	No	No	4	Well Water Pit	Below Ground	
DR	08/14/2009	11:25	No	No	No	No	No	4	Well Water Pit	Below Ground	
DR	09/20/2009	10:45	No	No	No	No	No	3	Well Water Pit	Below Ground	
DR	10/19/2009	10:00	No	No	No	No	No	3	Well Water Pit	Below Ground	
meth	11/21/2009	12:30	No	No	No	Yes	No	3	Well Water Pit	Below Ground	
meth	12/12/2009	02:02	No	No	No	Yes	No	3	Well Water Pit	Below Ground	
meth	01/08/2010	11:49	No	No	No	Yes	No	3	Well Water Pit	Below Ground	
meth	02/11/2010	02:20	No	No	No	Yes	No	1	Well Water Pit	Below Ground	
meth	03/13/2010	03:00	No	No	No	Yes	No	5	Well Water Pit	Below Ground	
meth	04/06/2010	03:22	No	No	No	Yes	No	4	Well Water Pit	Below Ground	
meth	05/09/2010	10:40	No	No	No	Yes	No	5	Well Water Pit	Below Ground	
meth	06/16/2010	01:03	No	No	No	Yes	No	6	Well Water Pit	Below Ground	
meth	07/18/2010	12:22	No	No	No	No	No	2	Well Water Pit	Below Ground	
meth	08/09/2010	15:11	No	No	No	No	No	5	Well Water Pit	Below Ground	
meth	09/08/2010	13:04	No	No	No	No	No	5	Well Water Pit	Below Ground	
meth	10/12/2010	12:56	No	No	No	No	No	4	Well Water Pit	Below Ground	
meth	11/13/2010	13:51	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	12/14/2010	09:41	No	No	No	No	No	4	Well Water Pit	Below Ground	
meth	01/15/2011	09:39	No	No	No	No	No	4	Well Water Pit	Below Ground	
meth	02/13/2011	10:36	No	No	No	No	No	5	Well Water Pit	Below Ground	
meth	03/18/2011	13:24	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	04/27/2011	11:39	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	05/09/2011	10:05	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	6/13/2011	10:39	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	7/12/2011	9:47	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	8/10/2011	8:45	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	9/12/2011	11:11	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	10/10/2011	10:45	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	11/7/2011	11:11	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	12/1/2011	10:53	No	No	No	No	No	2	Well Water Pit	Below Ground	
meth	1/9/2012	11:53	No	No	No	No	No	4	Well Water Pit	Below Ground	
meth	2/7/2012	11:00	No	No	No	No	No	6	Well Water Pit	Below Ground	
meth	3/6/2012	12:06	No	No	No	No	No	5	Well Water Pit	Below Ground	
meth	4/3/2012	11:48	No	No	No	No	No	6	Well Water Pit	Below Ground	
Buster	7/2/2012	10:40	No	No	No	No	No	4	Well Water Pit	Below Ground	
Buster	10/23/2012	11:40	No	No	No	No	No	4	Well Water Pit	Below Ground	
Buster	4/1/2013	12:50	No	No	No	No	No	6	Well Water Pit	Below Ground	

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 #36	Facility Type: Gas Well (Ute Dome Paradox)	
Surface Owner: Ute Mountain Tribe	Mineral Owner	API No.: 30-045-31604

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	32N	14W	932	FSL	845	FEL	San Juan

Latitude 36.95417 Longitude -108.29028

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 96 BBL	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11-13-2014
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 Indians A # 36 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 888 ppm and the Chloride Standard of 250 ppm at 275 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 20 due to an estimated depth to groundwater of greater than 100 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 888 ppm via USEPA Method 418.1, a release has been confirmed at this location. A one call was made and the below grade tank cellar was excavated. The BGT cellar was excavated to approximately 24'x24'x14' deep, a wall composite sample and a bottom composite sample were collected. The wall composite sample was collected at approximately 12' deep and was below standards for benzene at <0.092 ppm and total BTEX at 1.042 via EPA Method 8021 and TPH at 88 ppm via USEPA Method 8015. The Bottom sample was collected at approximately 14' deep and returned results below standards for benzene at < 0.10 ppm and total BTEX at 6.21 ppm via USEPA Method 8021, but above the TPH Standard via EPA Method 8015 at 1250 ppm. The excavation continued to a depth of 20' and the bottom was still above standards, the excavation was engineered to continue to the depth of 25' deep. At 25' deep another bottom sample was collected and returned results below standards for TPH at 49.8 ppm. These results are below Table 1 standards and a request to close the excavation was sent to the BLM. The BLM requested two additional samples be collected and that a BLM representative witness the sample collection. On 12-4-2014 a discrete sample was collected from the east wall at approximately six feet from the surface and a surface sample where the impacted soil had been staged for trucking to the land farm. These samples returned results below the Standards for Spill Clean-Up and Reclamation for the Ute Mountain Ute Tribe. The BLM after reviewing these sample results granted permission to backfill the excavation. No further action is required.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: *Kurt Hoekstra*

Printed Name: Kurt Hoekstra

Approved by Environmental Specialist:

Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kurt.Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-23-15 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary



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

November 24, 2014

Kurt Hoekstra
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 333-3100
FAX (555) 333-3280

RE: Ute Indians A #36

OrderNo.: 1411922

Dear Kurt Hoekstra:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/21/2014 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', with a stylized flourish at the end.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1411922

Date Reported: 11/24/2014

CLIENT: XTO Energy

Client Sample ID: FARKH-112014-1300

Project: Ute Indians A #36

Collection Date: 11/20/2014 1:00:00 PM

Lab ID: 1411922-001

Matrix: SOIL

Received Date: 11/21/2014 7:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	1800	99		mg/Kg	10	11/21/2014 12:18:04 PM	16510
Surr: DNOP	0	63.5-128	S	%REC	10	11/21/2014 12:18:04 PM	16510
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	840	83		mg/Kg	20	11/21/2014 10:37:17 AM	R22709
Surr: BFB	371	80-120	S	%REC	20	11/21/2014 10:37:17 AM	R22709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.41		mg/Kg	20	11/21/2014 10:37:17 AM	R22709
Toluene	ND	0.83		mg/Kg	20	11/21/2014 10:37:17 AM	R22709
Ethylbenzene	3.1	0.83		mg/Kg	20	11/21/2014 10:37:17 AM	R22709
Xylenes, Total	46	1.7		mg/Kg	20	11/21/2014 10:37:17 AM	R22709
Surr: 4-Bromofluorobenzene	120	80-120		%REC	20	11/21/2014 10:37:17 AM	R22709

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411922

24-Nov-14

Client: XTO Energy
Project: Ute Indians A #36

Sample ID	MB-16510	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	16510	RunNo:	22684					
Prep Date:	11/21/2014	Analysis Date:	11/21/2014	SeqNo:	669675	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.5		10.00		75.4	63.5	128			

Sample ID	LCS-16510	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	16510	RunNo:	22684					
Prep Date:	11/21/2014	Analysis Date:	11/21/2014	SeqNo:	669676	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.6	130			
Surr: DNOP	3.3		5.000		66.8	63.5	128			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411922

24-Nov-14

Client: XTO Energy
Project: Ute Indians A #36

Sample ID	MB-16499 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R22709	RunNo:	22709					
Prep Date:		Analysis Date:	11/21/2014	SeqNo:	670016	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.6	80	120			

Sample ID	LCS-16499 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R22709	RunNo:	22709					
Prep Date:		Analysis Date:	11/21/2014	SeqNo:	670017	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	65.8	139			
Surr: BFB	980		1000		98.3	80	120			

Sample ID	MB-16499	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	16499	RunNo:	22709					
Prep Date:	11/20/2014	Analysis Date:	11/21/2014	SeqNo:	670022	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	900		1000		89.6	80	120			

Sample ID	LCS-16499	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	16499	RunNo:	22709					
Prep Date:	11/20/2014	Analysis Date:	11/21/2014	SeqNo:	670032	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		98.3	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411922

24-Nov-14

Client: XTO Energy
Project: Ute Indians A #36

Sample ID	MB-16499 MK		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	R22709		RunNo:	22709			
Prep Date:			Analysis Date:	11/21/2014		SeqNo:	670064		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.6	80	120			

Sample ID	LCS-16499 MK		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	R22709		RunNo:	22709			
Prep Date:			Analysis Date:	11/21/2014		SeqNo:	670065		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.050	1.000	0	97.7	80	120			
Toluene	0.96	0.050	1.000	0	96.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	MB-16499		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	16499		RunNo:	22709			
Prep Date:	11/20/2014		Analysis Date:	11/21/2014		SeqNo:	670070		Units: %REC	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.98		1.000		97.6	80	120			

Sample ID	LCS-16499		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	16499		RunNo:	22709			
Prep Date:	11/20/2014		Analysis Date:	11/21/2014		SeqNo:	670080		Units: %REC	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2.
RL Reporting Detection Limit



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

Sample Log-In Check List

Client Name: XTO Energy

Work Order Number: 1411922

RcptNo: 1

Received by/date: AT 11/21/14

Logged By: Anne Thorne 11/21/2014 7:18:00 AM

Anne Thorne

Completed By: Anne Thorne 11/21/2014

Anne Thorne

Reviewed By: EO 11/21/14

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks:

18. Cooler Information

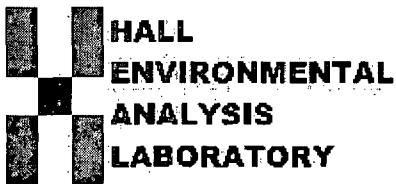
Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Yes			



XTO
ENERGY
Western Division

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

0117



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

November 26, 2014

Logan Hixon
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 386-8018
FAX (505) 333-3280

RE: Ute Indians A 36

OrderNo.: 1411A44

Dear Logan Hixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/25/2014 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1411A44

Date Reported: 11/26/2014

CLIENT: XTO Energy

Client Sample ID: Bottom 20'

Project: Ute Indians A 36

Collection Date: 11/24/2014 1:30:00 PM

Lab ID: 1411A44-001

Matrix: MEOH (SOIL)

Received Date: 11/25/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	1300	99		mg/Kg	10	11/25/2014 11:47:44 AM	16562
Surr: DNOP	0	63.5-128	S	%REC	10	11/25/2014 11:47:44 AM	16562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	330	46		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Surr: BFB	318	80-120	S	%REC	10	11/25/2014 1:42:46 PM	R22780
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.23		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Toluene	ND	0.46		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Ethylbenzene	0.90	0.46		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Xylenes, Total	14	0.92		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Surr: 4-Bromofluorobenzene	111	80-120		%REC	10	11/25/2014 1:42:46 PM	R22780

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411A44

26-Nov-14

Client: XTO Energy
Project: Ute Indians A 36

Sample ID	MB-16562		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	16562		RunNo:	22764				
Prep Date:	11/25/2014		Analysis Date:	11/25/2014		SeqNo:	671990		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	7.9		10.00		78.8	63.5	128				

Sample ID	LCS-16562		SampType:	LCS		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	16562		RunNo:	22764				
Prep Date:	11/25/2014		Analysis Date:	11/25/2014		SeqNo:	671994		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	48	10	50.00	0	96.9	68.6	130				
Surr: DNOP	4.1		5.000		81.6	63.5	128				

Sample ID	MB-16540		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	16540		RunNo:	22764				
Prep Date:	11/24/2014		Analysis Date:	11/25/2014		SeqNo:	672069		Units: %REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	8.2		10.00		82.2	63.5	128				

Sample ID	LCS-16540		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 16540		RunNo: 22764					
Prep Date:	11/24/2014		Analysis Date: 11/25/2014		SeqNo: 672266		Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		80.1	63.5	128			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411A44

26-Nov-14

Client: XTO Energy
Project: Ute Indians A 36

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R22780	RunNo:	22780					
Prep Date:		Analysis Date:	11/25/2014	SeqNo:	672970	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.7	80	120			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R22780	RunNo:	22780					
Prep Date:		Analysis Date:	11/25/2014	SeqNo:	672971	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	65.8	139			
Surr: BFB	1000		1000		102	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411A44

26-Nov-14

Client: XTO Energy
Project: Ute Indians A 36

Sample ID	MB-16538 MK		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	R22780		RunNo:	22780			
Prep Date:			Analysis Date:	11/25/2014		SeqNo:	673015		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	80	120			

Sample ID	LCS-16538 MK		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	R22780		RunNo:	22780			
Prep Date:			Analysis Date:	11/25/2014		SeqNo:	673016		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	96.8	80	120			
Toluene	0.94	0.050	1.000	0	94.0	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

Sample Log-In Check List

Client Name: **XTO Energy**

Work Order Number: **1411A44**

RcptNo: **1**

Received by/date:

Logged By: **Lindsay Mangin**

11/25/14 11/25/2014 7:45:00 AM

Completed By: **Lindsay Mangin**

11/25/14 11/25/2014 8:02:33 AM

Reviewed By:

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (If applicable)

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

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			

[illegible]

0146



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

December 03, 2014

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

RE: Ute Indians A #36

OrderNo.: 1412046

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/2/2014 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1412046

Date Reported: 12/3/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: FARKH-120114-1430

Project: Ute Indians A #36

Collection Date: 12/1/2014 2:30:00 PM

Lab ID: 1412046-001

Matrix: SOIL

Received Date: 12/2/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	43	9.9		mg/Kg	1	12/2/2014 10:15:13 AM	16622
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/2/2014 10:15:13 AM	16622
Surr: DNOP	87.4	63.5-128		%REC	1	12/2/2014 10:15:13 AM	16622
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	6.8	3.9		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Surr: BFB	176	80-120	S	%REC	1	12/2/2014 10:16:03 AM	R22878
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Toluene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Ethylbenzene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Xylenes, Total	0.19	0.077		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Surr: 4-Bromofluorobenzene	112	80-120		%REC	1	12/2/2014 10:16:03 AM	R22878

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412046

03-Dec-14

Client: XTO Energy
Project: Ute Indians A #36

Sample ID	MB-16598	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	16598	RunNo:	22870					
Prep Date:	11/26/2014	Analysis Date:	12/2/2014	SeqNo:	675060	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		86.8	63.5	128			

Sample ID	MB-16622	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	16622	RunNo:	22870					
Prep Date:	12/2/2014	Analysis Date:	12/2/2014	SeqNo:	675142	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		69.4	63.5	128			

Sample ID	LCS-16622	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	16622	RunNo:	22870					
Prep Date:	12/2/2014	Analysis Date:	12/2/2014	SeqNo:	675163	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.8	68.6	130			
Surr: DNOP	3.6		5.000		71.0	63.5	128			

Sample ID	LCS-16598	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	16598	RunNo:	22870					
Prep Date:	11/26/2014	Analysis Date:	12/2/2014	SeqNo:	675175	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.6	63.5	128			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412046

03-Dec-14

Client: XTO Energy
Project: Ute Indians A #36

Sample ID	MB-16613 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R22878	RunNo:	22878					
Prep Date:		Analysis Date:	12/2/2014	SeqNo:	675828	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.4	80	120			

Sample ID	LCS-16613 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R22878	RunNo:	22878					
Prep Date:		Analysis Date:	12/2/2014	SeqNo:	675829	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.8	65.8	139			
Surr: BFB	1100		1000		105	80	120			

Sample ID	MB-16613	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	16613	RunNo:	22878					
Prep Date:	12/1/2014	Analysis Date:	12/2/2014	SeqNo:	675835	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.4	80	120			

Sample ID	LCS-16613	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	16613	RunNo:	22878					
Prep Date:	12/1/2014	Analysis Date:	12/2/2014	SeqNo:	675836	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412046

03-Dec-14

Client: XTO Energy
Project: Ute Indians A #36

Sample ID	MB-16613 MK		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS		Batch ID:	R22878		RunNo:	22878				
Prep Date:			Analysis Date:	12/2/2014		SeqNo:	675868		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120				

Sample ID	LCS-16613 MK		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: R22878		RunNo: 22878					
Prep Date:			Analysis Date: 12/2/2014		SeqNo: 675869		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.050	1.000	0	93.9	80	120			
Toluene	0.90	0.050	1.000	0	89.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID	1412046-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	FARKH-120114-1430		Batch ID:	R22878		RunNo:	22878				
Prep Date:			Analysis Date:	12/2/2014		SeqNo:	675871		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.79	0.039	0.7746	0	102	77.4	142				
Toluene	0.77	0.039	0.7746	0.007173	98.9	77	132				
Ethylbenzene	0.81	0.039	0.7746	0.01735	102	77.6	134				
Xylenes, Total	2.6	0.077	2.324	0.1860	104	77.4	132				
Surr: 4-Bromofluorobenzene	0.89		0.7746		115	80	120				

Sample ID	1412046-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	FARKH-120114-1430		Batch ID:	R22878		RunNo:	22878				
Prep Date:			Analysis Date:	12/2/2014		SeqNo:	675872		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.76	0.039	0.7746	0	98.2	77.4	142	3.39	20		
Toluene	0.76	0.039	0.7746	0.007173	96.7	77	132	2.20	20		
Ethylbenzene	0.78	0.039	0.7746	0.01735	98.2	77.6	134	3.60	20		
Xylenes, Total	2.5	0.077	2.324	0.1860	99.4	77.4	132	3.76	20		
Surr: 4-Bromofluorobenzene	0.89		0.7746		115	80	120	0	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412046

03-Dec-14

Client: XTO Energy

Project: Ute Indians A #36

Sample ID	MB-16613	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	16613	RunNo:	22878					
Prep Date:	12/1/2014	Analysis Date:	12/2/2014	SeqNo:	675888	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID	LCS-16613	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	16613	RunNo:	22878					
Prep Date:	12/1/2014	Analysis Date:	12/2/2014	SeqNo:	675889	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2.
RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: XTO Energy

Work Order Number: 1412046

RcptNo: 1

Received by/date: CS 12/02/14 LM 12/02/14

Logged By: Celina Sessa 12/2/2014 7:30:00 AM

Celina Sessa

Completed By: Celina Sessa 12/2/2014 8:28:37 AM

Celina Sessa

Reviewed By: IO 12/02/2014

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good	Yes			



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

December 08, 2014

Kurt Hoekstra
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 333-3100
FAX (555) 333-3280

RE: Ute Indians A#36

OrderNo.: 1412279

Dear Kurt Hoekstra:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/5/2014 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman'.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1412279

Date Reported: 12/8/2014

CLIENT: XTO Energy

Client Sample ID: E Wall 6'

Project: Ute Indians A#36

Collection Date: 12/4/2014 10:00:00 AM

Lab ID: 1412279-001

Matrix: SOIL

Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/5/2014 11:17:51 AM	16685
Surr: DNOP	80.0	63.5-128		%REC	1	12/5/2014 11:17:51 AM	16685
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Surr: BFB	87.9	80-120		%REC	1	12/5/2014 10:09:07 AM	R22974
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.036		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Toluene	ND	0.036		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Ethylbenzene	ND	0.036		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Xylenes, Total	ND	0.072		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Surr: 4-Bromofluorobenzene	92.4	80-120		%REC	1	12/5/2014 10:09:07 AM	R22974

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1412279

Date Reported: 12/8/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: Surface

Project: Ute Indians A#36

Collection Date: 12/4/2014 10:05:00 AM

Lab ID: 1412279-002

Matrix: SOIL

Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	190	10		mg/Kg	1	12/5/2014 11:39:18 AM	16685
Surr: DNOP	80.2	63.5-128		%REC	1	12/5/2014 11:39:18 AM	16685
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	61	18		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Surr: BFB	215	80-120	S	%REC	4	12/5/2014 10:37:49 AM	R22974
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.090		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Toluene	ND	0.18		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Ethylbenzene	ND	0.18		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Xylenes, Total	1.3	0.36		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Surr: 4-Bromofluorobenzene	100	80-120		%REC	4	12/5/2014 10:37:49 AM	R22974

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412279

08-Dec-14

Client: XTO Energy
Project: Ute Indians A#36

Sample ID	MB-16685	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	16685	RunNo:	22954					
Prep Date:	12/5/2014	Analysis Date:	12/5/2014	SeqNo:	677912	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.1		10.00		71.0	63.5	128			

Sample ID	LCS-16685	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	16685	RunNo:	22954					
Prep Date:	12/5/2014	Analysis Date:	12/5/2014	SeqNo:	677913	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.3	68.6	130			
Surr: DNOP	4.6		5.000		91.7	63.5	128			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412279

08-Dec-14

Client: XTO Energy
Project: Ute Indians A#36

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R22974	RunNo:	22974					
Prep Date:		Analysis Date:	12/5/2014	SeqNo:	678542	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.5	80	120			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R22974	RunNo:	22974					
Prep Date:		Analysis Date:	12/5/2014	SeqNo:	678543	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.2	65.8	139			
Surr: BFB	1000		1000		99.6	80	120			

Sample ID	1412279-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	E Wall 6'	Batch ID:	R22974	RunNo:	22974					
Prep Date:		Analysis Date:	12/5/2014	SeqNo:	678545	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.6	18.03	0	92.0	71.8	132			
Surr: BFB	710		721.0		98.8	80	120			

Sample ID	1412279-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	E Wall 6'	Batch ID:	R22974	RunNo:	22974					
Prep Date:		Analysis Date:	12/5/2014	SeqNo:	678546	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.6	18.03	0	98.1	71.8	132	6.44	20	
Surr: BFB	730		721.0		101	80	120	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412279

08-Dec-14

Client: XTO Energy
Project: Ute Indians A#36

Sample ID	5ML RB		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	R22974		RunNo:	22974			
Prep Date:			Analysis Date:	12/5/2014		SeqNo:	678559		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.3	80	120			

Sample ID	100NG BTEX LCS		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	R22974		RunNo:	22974			
Prep Date:			Analysis Date:	12/5/2014		SeqNo:	678560		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	1412279-002AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	Surface		Batch ID:	R22974		RunNo:	22974			
Prep Date:			Analysis Date:	12/5/2014		SeqNo:	678563		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.7	0.18	3.604	0	103	77.4	142			
Toluene	3.6	0.18	3.604	0.03560	100	77	132			
Ethylbenzene	3.9	0.18	3.604	0.1517	103	77.6	134			
Xylenes, Total	13	0.36	10.81	1.290	105	77.4	132			
Surr: 4-Bromofluorobenzene	3.9		3.604		109	80	120			

Sample ID	1412279-002AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	Surface		Batch ID:	R22974		RunNo:	22974			
Prep Date:			Analysis Date:	12/5/2014		SeqNo:	678564		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.6	0.18	3.604	0	99.4	77.4	142	3.57	20	
Toluene	3.6	0.18	3.604	0.03560	97.7	77	132	2.47	20	
Ethylbenzene	3.7	0.18	3.604	0.1517	99.6	77.6	134	2.84	20	
Xylenes, Total	12	0.36	10.81	1.290	102	77.4	132	2.21	20	
Surr: 4-Bromofluorobenzene	3.9		3.604		109	80	120	0	0	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



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

Sample Log-In Check List

Client Name: XTO Energy

Work Order Number: 1412279

RcptNo: 1

Received by/date: LD 12/05/14

Logged By: Anne Thorne 12/5/2014 7:45:00 AM *Anne Thorne*

Completed By: Anne Thorne 12/5/2014 *Anne Thorne*

Reviewed By: *[Signature]* 12/05/14

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	2.7	Good	Yes			



XTO
ENERGY
Western Division

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

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

OIL CONS. DIV DIST. 3

Type of action:

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

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 County Road 3100, Aztec, NM 87410
Facility or well name: Ute Indians A # 36
API Number: 30-045-31604 OCD Permit Number: _____
U/L or Qtr/Qtr P Section 27 Township 32N Range 14W County: San Juan
Center of Proposed Design: Latitude 36.95417 Longitude -108.29028 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 _____
Liner type: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

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

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