

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

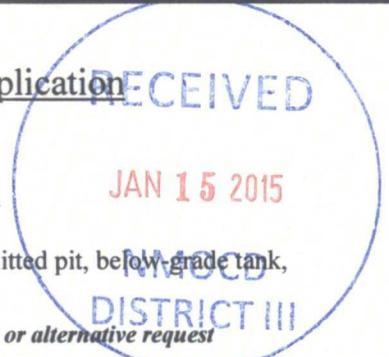
For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.  
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

12586

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

45-07031



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

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

1.  
Operator: XTO Energy, Inc. OGRID #: 5380  
Address: 382 Road 3100, Aztec, New Mexico 87410  
Facility or well name: Fred Feasel J # 1  
API Number: 30-045-07031 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr G Section 34 Township 28N Range 10W County: San Juan  
Center of Proposed Design: Latitude 36.621388 Longitude -107.880116 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 Visible sidewalls, vaulted, automatic high-level shut off  
Liner type: Thickness \_\_\_\_\_ mil  HDPE  PVC  Other \_\_\_\_\_

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

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

6.

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

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

7.

**Signs:** Subsection C of 19.15.17.11 NMAC

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

8.

**Variations and Exceptions:**

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

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

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

9.

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

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

**General siting**

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

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

- Yes  No
- NA

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

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

- Yes  No
- NA

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

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

- Yes  No

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

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

- Yes  No

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

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

- Yes  No

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

- FEMA map

- Yes  No

**Below Grade Tanks**

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

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

- Yes  No

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

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

- Yes  No

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

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

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

- Yes  No

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

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

- Yes  No

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

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

- Yes  No

Within 100 feet of a wetland.

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

Yes  No

**Temporary Pit Non-low chloride drilling fluid**

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

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

Yes  No

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

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

Yes  No

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

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

Yes  No

Within 300 feet of a wetland.

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

Yes  No

**Permanent Pit or Multi-Well Fluid Management Pit**

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

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

Yes  No

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

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

Yes  No

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

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

Yes  No

Within 500 feet of a wetland.

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

Yes  No

10.

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

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

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

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

11.

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

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

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

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

12.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

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

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

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	<input type="checkbox"/> Yes <input type="checkbox"/> No

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

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

Yes  No

Within the area overlying a subsurface mine.

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

Yes  No

Within an unstable area.

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

Yes  No

Within a 100-year floodplain.

- FEMA map

Yes  No

16.

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

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

17.

**Operator Application Certification:**

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

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

18.

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

OCD Representative Signature: Jonathan D. Kelly Approval Date: 1/29/2015

Title: Compliance Officer OCD Permit Number: \_\_\_\_\_

19.

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

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

Closure Completion Date: 11-17-14

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: 1-13-15

e-mail address: Kurt\_Hoekstra@xtoenergy.com Telephone: 505-333-3100

District I  
1625 N. French Dr., Hobbs, NM 88240  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

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

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: Fred Feasel J # 1	Facility Type: Gas Well (Angels Peak Dakota)

Surface Owner: Federal	Mineral Owner	API No.: 30-045-07031
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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
G	34	28N	10W	1850	FNL	1850	FEL	San Juan

**Latitude 36.621388 Longitude -107.880116**

**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: 11-5-2014
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 Fred Feasel J # 1 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, total BTEX, and chloride but above the TPH Standard of 100 ppm via USEPA Method 418.1 at 140 ppm, 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 30 due to an estimated depth to groundwater of less than 50 feet, distance to a water well greater than 1000 feet, and distance to surface water 200 to 1000 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 140 ppm via USEPA Method 418.1, a release has been confirmed at this location.

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

**OIL CONSERVATION DIVISION**

Signature: 	Approved by 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: 1-13-15 Phone: 505-333-3100		

\* Attach Additional Sheets If Necessary



## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 17958

Samples Received: 10/31/2014 2:05:00PM

Job Number: 98031-0528

Work Order: P410144

Project Name/Location: Fred Feasel J #1F

Entire Report Reviewed By:

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

Date: 11/5/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 11/5/14 10:15 am

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: Fred Feasel J #1F Project Number: 98031-0528 Project Manager: Kurt Hoekstra	<b>Reported:</b> 05-Nov-14 10:18
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### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P410144-01A	Soil	10/31/14	10/31/14	Glass Jar, 4 oz.
BGT Cellar-21 BBL	P410144-02A	Soil	10/31/14	10/31/14	Glass Jar, 4 oz.

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Fred Feasel J #1F Project Number: 98031-0528 Project Manager: Kurt Hoekstra	<b>Reported:</b> 05-Nov-14 10:18
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**BGT Cellar**  
**P410144-01 (Solid)**

Analyte	Result	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units							
<b>Total Petroleum Hydrocarbons by 418.1</b>										
Total Petroleum Hydrocarbons	<b>140</b>	35.0	mg/kg	1		1445015	11/04/14	11/04/14	EPA 418.1	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Fred Feasel J #1F Project Number: 98031-0528 Project Manager: Kurt Hoekstra	<b>Reported:</b> 05-Nov-14 10:18
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**BGT Cellar-21 BBL  
P410144-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	ND	34.9	mg/kg	1	1445015	11/04/14	11/04/14	EPA 418.1	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Fred Feasel J #1F Project Number: 98031-0528 Project Manager: Kurt Hoekstra	<b>Reported:</b> 05-Nov-14 10:18
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**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
<b>Batch 1445015 - 418 Freon Extraction</b>										
<b>Blank (1445015-BLK1)</b>				Prepared & Analyzed: 04-Nov-14						
Total Petroleum Hydrocarbons	ND	34.9	mg/kg							
<b>Duplicate (1445015-DUP1)</b>				Prepared & Analyzed: 04-Nov-14						
Total Petroleum Hydrocarbons	152	34.9	mg/kg		140			8.04	30	
<b>Matrix Spike (1445015-MS1)</b>				Prepared & Analyzed: 04-Nov-14						
Total Petroleum Hydrocarbons	1900	34.9	mg/kg	2010	140	87.3	80-120			

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XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Fred Feasel J #1F  
Project Number: 98031-0528  
Project Manager: Kurt Hoekstra

**Reported:**  
05-Nov-14 10:18

#### Notes and Definitions

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

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# CHAIN OF CUSTODY RECORD

17958

Client: <b>X10</b>	Project Name / Location: <b>Fred Feasel J #1</b>	ANALYSIS / PARAMETERS													
Email results to: <b>James, Kurt, Logan</b>	Sampler Name: <b>J McDaniel</b>	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:	Client No.: <b>98031-0528</b>														

Sample No. / Identification	Sample Date	Sample Time	Lab No.	No. / Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact		
					HNO <sub>3</sub>	HCl	Cool																
BGT Cellar	10/31/14	0945	P410144-01	1/4oz			X									X				X	X		
BGT Cellar-2) BBL	10/31/14	0950	P410144-02	1/4oz			X									X				X	X		

Relinquished by: (Signature) <i>[Signature]</i>	Date 10/31/14	Time 1427	Received by: (Signature) <i>[Signature]</i>	Date 10/31	Time 1455
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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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Sample Matrix  
 Soil  Solid  Sludge  Aqueous  Other

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


13.7
14.9
14.3



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

### Report Summary

Thursday November 06, 2014

Report Number: L731277

Samples Received: 11/04/14

Client Project: 30-045-07031

Description: Fred Feasel J #1

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

Entire Report Reviewed By:

Daphne Richards , ESC Representative

#### Laboratory Certification Numbers

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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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REPORT OF ANALYSIS

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

November 06, 2014

Date Received : November 04, 2014  
 Description : Fred Feasel J #1  
 Sample ID : FARJM-103114-0945  
 Collected By :  
 Collection Date : 10/31/14 09:45

ESC Sample # : L731277-01

Site ID :

Project # : 30-045-07031

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	71.	10.	mg/kg	9056MOD	11/04/14	1
Benzene	BDL	0.0025	mg/kg	8021	11/04/14	5
Toluene	BDL	0.025	mg/kg	8021	11/04/14	5
Ethylbenzene	BDL	0.0025	mg/kg	8021	11/04/14	5
Total Xylene	BDL	0.0075	mg/kg	8021	11/04/14	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	8015	11/04/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.7		% Rec.	8015	11/04/14	5
a,a,a-Trifluorotoluene (PID)	106.		% Rec.	8021	11/04/14	5
TPH (GC/FID) High Fraction	14.	4.0	mg/kg	3546/DRO	11/04/14	1
Surrogate recovery(%)						
o-Terphenyl	65.5		% Rec.	3546/DRO	11/04/14	1

BDL - Below Detection Limit  
 Det. Limit - Practical Quantitation Limit (PQL)  
 Note:

The reported analytical results relate only to the sample submitted.  
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Reported: 11/05/14 14:36 Revised: 11/06/14 10:15



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REPORT OF ANALYSIS

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

November 06, 2014

Date Received : November 04, 2014  
 Description : Fred Feasel J #1  
 Sample ID : FARJM-103114-0950  
 Collected By :  
 Collection Date : 10/31/14 09:50

ESC Sample # : L731277-02

Site ID :

Project # : 30-045-07031

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	62.	10.	mg/kg	9056MOD	11/04/14	1
Benzene	BDL	0.0025	mg/kg	8021	11/05/14	5
Toluene	BDL	0.025	mg/kg	8021	11/05/14	5
Ethylbenzene	BDL	0.0025	mg/kg	8021	11/05/14	5
Total Xylene	BDL	0.0075	mg/kg	8021	11/05/14	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	8015	11/05/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.4		% Rec.	8015	11/05/14	5
a,a,a-Trifluorotoluene (PID)	106.		% Rec.	8021	11/05/14	5
TPH (GC/FID) High Fraction	BDL	4.0	mg/kg	3546/DRO	11/04/14	1
Surrogate recovery(%)						
o-Terphenyl	69.7		% Rec.	3546/DRO	11/04/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 11/05/14 14:36 Revised: 11/06/14 10:15

Summary of Remarks For Samples Printed  
11/06/14 at 10:15:33

TSR Signing Reports: 288  
R2 - Rush: Next Day

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

Sample: L731277-01 Account: XTORNM Received: 11/04/14 09:00 Due Date: 11/05/14 00:00 RPT Date: 11/05/14 14:36

Sample: L731277-02 Account: XTORNM Received: 11/04/14 09:00 Due Date: 11/05/14 00:00 RPT Date: 11/05/14 14:36



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

Quality Assurance Report  
Level II

Aztec, NM 87410

November 06, 2014

L731277

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG752542	11/04/14 18:53
Ethylbenzene	< .0005	mg/kg			WG752542	11/04/14 18:53
Toluene	< .005	mg/kg			WG752542	11/04/14 18:53
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG752542	11/04/14 18:53
Total Xylene	< .0015	mg/kg			WG752542	11/04/14 18:53
a, a, a-Trifluorotoluene (FID)		% Rec.	101.0	59-128	WG752542	11/04/14 18:53
a, a, a-Trifluorotoluene (PID)		% Rec.	107.0	54-144	WG752542	11/04/14 18:53
Chloride	< 10	mg/kg			WG752486	11/04/14 15:30
TPH (GC/FID) High Fraction	< 4	mg/kg			WG751897	11/04/14 21:28
o-Terphenyl		% Rec.	80.30	50-150	WG751897	11/04/14 21:28

Analyte	Units	Duplicate			Limit	Ref Samp	Batch
		Result	Duplicate	RPD			
Chloride	mg/kg	66.0	66.0	1.00	20	L731192-05	WG752486

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.05	0.0527	105.	70-130	WG752542
Ethylbenzene	mg/kg	.05	0.0525	105.	70-130	WG752542
Toluene	mg/kg	.05	0.0530	106.	70-130	WG752542
Total Xylene	mg/kg	.15	0.161	107.	70-130	WG752542
a, a, a-Trifluorotoluene (FID)				101.0	59-128	WG752542
a, a, a-Trifluorotoluene (PID)				106.0	54-144	WG752542
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.85	88.1	63.5-137	WG752542
a, a, a-Trifluorotoluene (FID)				101.0	59-128	WG752542
a, a, a-Trifluorotoluene (PID)				115.0	54-144	WG752542
Chloride	mg/kg	200	205.	102.	80-120	WG752486
TPH (GC/FID) High Fraction	mg/kg	60	50.6	84.4	50-150	WG751897
o-Terphenyl				74.00	50-150	WG751897

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/kg	0.0519	0.0527	104.	70-130	1.61	20	WG752542
Ethylbenzene	mg/kg	0.0503	0.0525	101.	70-130	4.25	20	WG752542
Toluene	mg/kg	0.0509	0.0530	102.	70-130	3.97	20	WG752542
Total Xylene	mg/kg	0.153	0.161	102.	70-130	5.12	20	WG752542
a, a, a-Trifluorotoluene (FID)				101.0	59-128			WG752542
a, a, a-Trifluorotoluene (PID)				106.0	54-144			WG752542
TPH (GC/FID) Low Fraction	mg/kg	4.76	4.85	86.0	63.5-137	1.80	20	WG752542
a, a, a-Trifluorotoluene (FID)				103.0	59-128			WG752542
a, a, a-Trifluorotoluene (PID)				115.0	54-144			WG752542
Chloride	mg/kg	206.	205.	103.	80-120	1.00	20	WG752486
TPH (GC/FID) High Fraction	mg/kg	51.2	50.6	85.0	50-150	1.06	20	WG751897
o-Terphenyl				76.10	50-150			WG751897

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



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

Aztec, NM 87410

Quality Assurance Report  
Level II

L731277

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November 06, 2014

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/kg	0.245	0.000332	.05	98.0	49.7-127	L731277-01	WG752542
Ethylbenzene	mg/kg	0.235	0.000516	.05	94.0	40.8-141	L731277-01	WG752542
Toluene	mg/kg	0.246	0.00129	.05	98.0	49.8-132	L731277-01	WG752542
Total Xylene	mg/kg	0.724	0.00204	.15	96.0	41.2-140	L731277-01	WG752542
a, a, a-Trifluorotoluene (FID)					101.0	59-128		WG752542
a, a, a-Trifluorotoluene (PID)					105.0	54-144		WG752542
TPH (GC/FID) Low Fraction	mg/kg	20.5	0.0755	5.5	74.0	28.5-138	L731277-01	WG752542
a, a, a-Trifluorotoluene (FID)					101.0	59-128		WG752542
a, a, a-Trifluorotoluene (PID)					114.0	54-144		WG752542
Chloride	mg/kg	565.	70.2	500	99.0	80-120	L731192-04	WG752486
TPH (GC/FID) High Fraction	mg/kg	113.	24.2	60	150.	50-150	L731190-02	WG751897
o-Terphenyl					62.60	50-150		WG751897

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/kg	0.252	0.245	101.	49.7-127	2.89	23.5	L731277-01	WG752542
Ethylbenzene	mg/kg	0.237	0.235	94.6	40.8-141	0.870	23.8	L731277-01	WG752542
Toluene	mg/kg	0.246	0.246	97.9	49.8-132	0.140	23.5	L731277-01	WG752542
Total Xylene	mg/kg	0.722	0.724	95.9	41.2-140	0.380	23.7	L731277-01	WG752542
a, a, a-Trifluorotoluene (FID)				100.0	59-128				WG752542
a, a, a-Trifluorotoluene (PID)				104.0	54-144				WG752542
TPH (GC/FID) Low Fraction	mg/kg	20.4	20.5	73.8	28.5-138	0.420	23.6	L731277-01	WG752542
a, a, a-Trifluorotoluene (FID)				101.0	59-128				WG752542
a, a, a-Trifluorotoluene (PID)				113.0	54-144				WG752542
Chloride	mg/kg	563.	565.	98.5	80-120	0.0	20	L731192-04	WG752486
TPH (GC/FID) High Fraction	mg/kg	107.	113.	138.	50-150	4.70	20	L731190-02	WG751897
o-Terphenyl				60.20	50-150				WG751897

Batch number / Run number / Sample number cross reference

WG752542: R3002301: L731277-01 02  
WG752486: R3002378: L731277-01 02  
WG751897: R3002397: L731277-01 02

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

20



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

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

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

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



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

**Lease Name: Fred Feasel J # 1**

**API No.: 30-045-07031**

**Description: Unit G, Section 34, Township 28N, Range 10W, San Juan County**

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

**General Plan**

1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.  
**Closure Date is November 17<sup>th</sup>, 2014**
  
2. XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.  
**Closure Date is November 17<sup>th</sup>, 2014**
  
3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.  
**Required C-144 Form is attached to this document.**
  
4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:
  - Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B
    - Soil contaminated by exempt petroleum hydrocarbons
    - Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
  - Basin Disposal Permit No. NM01-005
    - Produced water**All liquids and sludge were removed from the tank prior to closure activities.**
  
5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.  
**XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.**

6. XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.

**All Equipment will be removed due to the plugging and abandoning of the Fred Feasel J # 1 well.**

7. XTO will test the soils beneath the below-grade tank to determine whether a release has occurred. At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. XTO will notify the division of its results on form C-141.

**A composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)( 1)(b). (Sample results attached).**

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.0025 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	0.0375 mg/kg
TPH	EPA SW-846 418.1	100	140 mg/kg
Chlorides	EPA 300.1	250 or background	71 mg/kg

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.

**Due to TPH results of 140 ppm, a release has been confirmed for this location. A C-141 Release Notification form will be sent outlining any remediation activities taken regarding this release**

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.

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

10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally.

The notification will include the following:

- i. Operator's name
- ii. Well Name and API Number
- iii. Location by Unit Letter, Section, Township, and Range

**Notification was provided to Mr. Brandon Powell with the Aztec office of the OCD via email on October 9<sup>th</sup>, 2014; see attached email printout.**

The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.

**The surface owner was notified on October 9<sup>th</sup>, 2014 via email. Email has been approved as a means of surface owner notification to the BLM by Brandon Powell, NMOCD Aztec Office.**

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.  
**The location will be recontoured to match the above specifications after the well has been P & A'd.**
12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.  
**The site has been backfilled to match these specifications.**
13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.  
**The location will be reclaimed pursuant to the BLM MOU**
14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
  - i. Proof of closure notice to division and surface owner; **attached**
  - ii. Details on capping and covering, where applicable; **per OCD Specifications**
  - iii. Inspection reports; **attached**
  - iv. Confirmation sampling analytical results; **attached**
  - v. Disposal facility name(s) and permit number(s); **see above**
  - vi. Soil backfilling and cover installation; **per OCD Specifications**
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **per BLM MOU**
  - viii. Photo documentation of the site reclamation. **attached**
15. The closure date is past the one week notification requirement date due to unforeseen delays in the P & A activities at this well site.

## Hoekstra, Kurt

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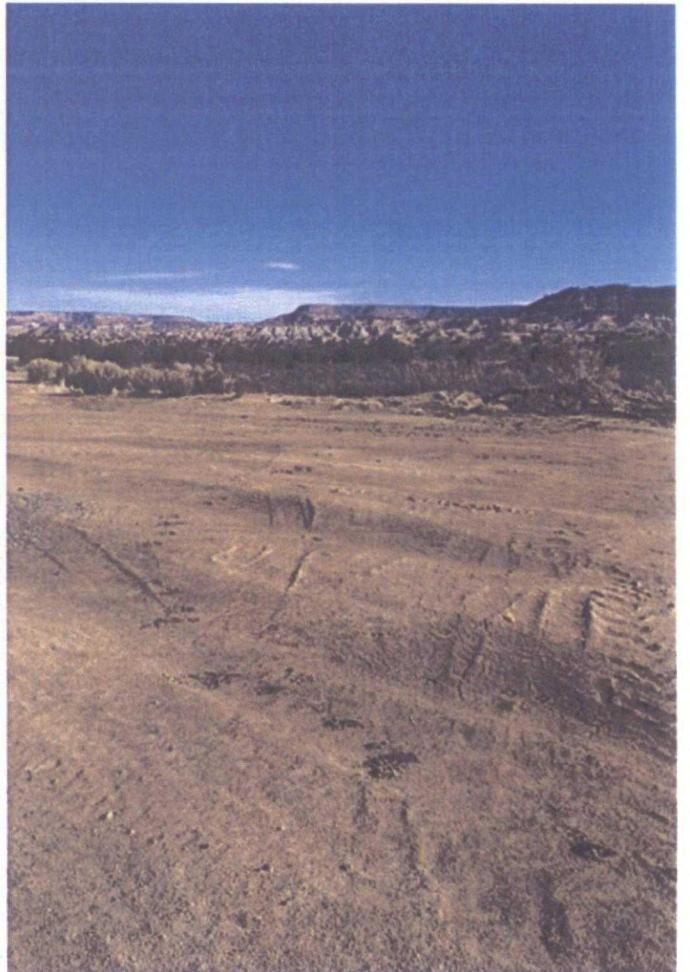
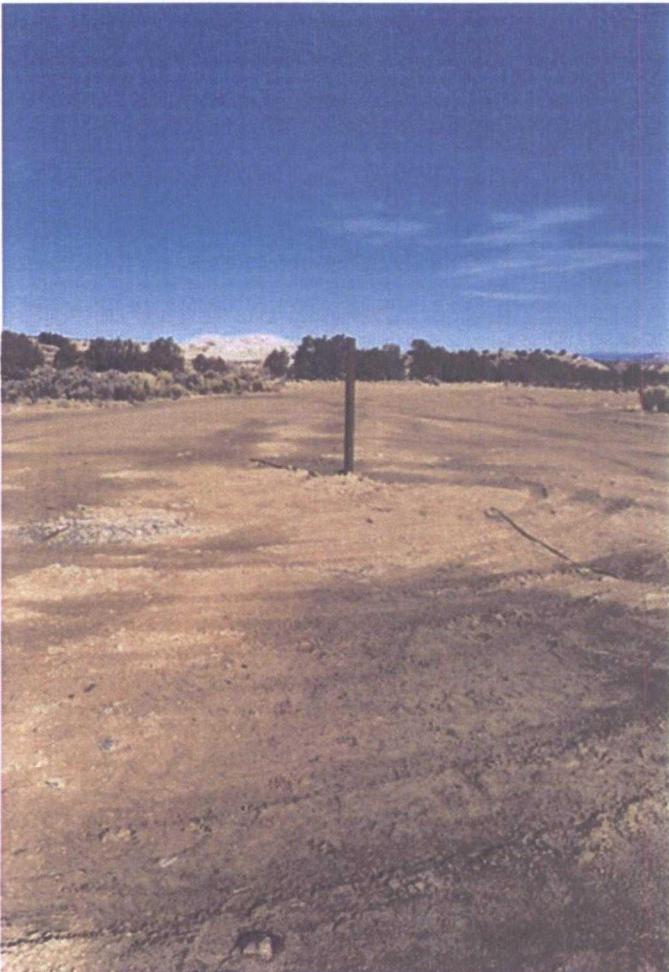
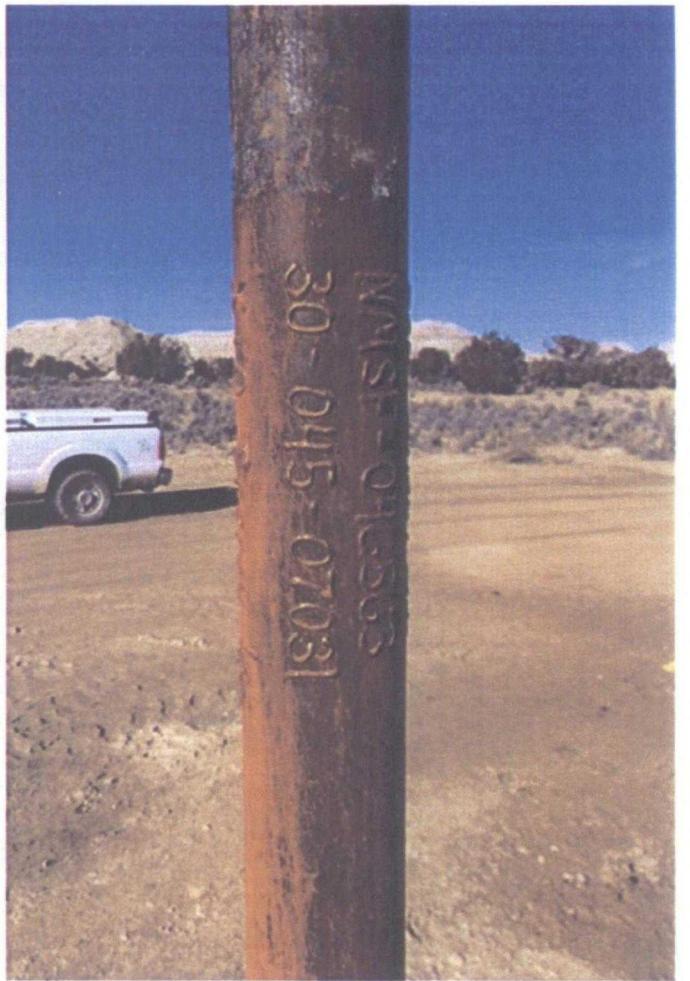
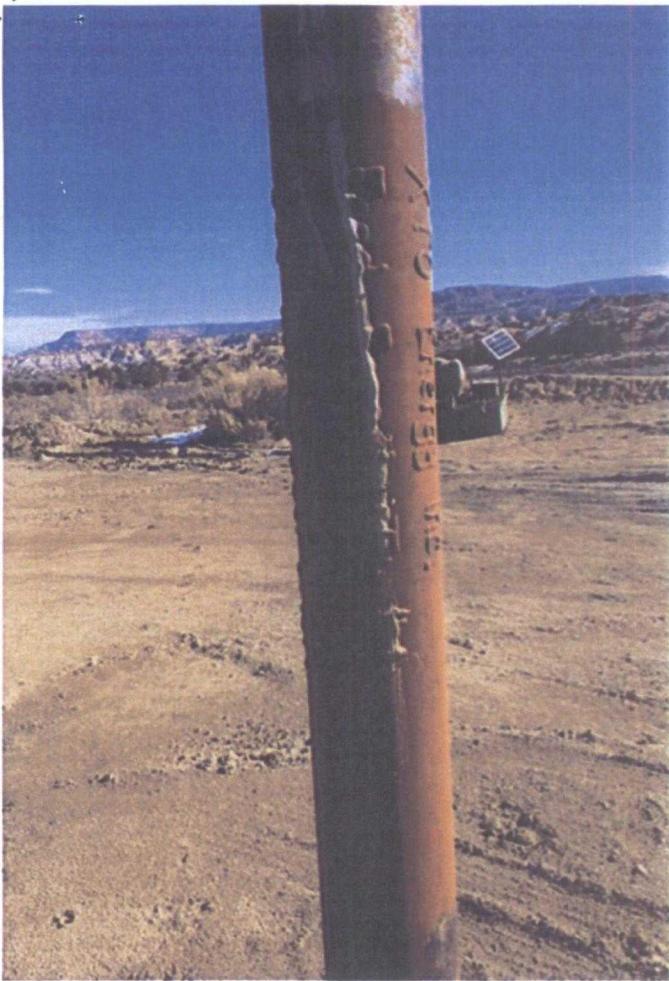
**From:** Hoekstra, Kurt  
**Sent:** Thursday, October 09, 2014 2:16 PM  
**To:** Brandon Powell (brandon.powell@state.nm.us); Mark Kelly (Mark\_Kelly@blm.gov)  
**Subject:** BGT Closure Notification Fred Feasel J # 1

Brandon and Mark,

Please accept this email as the required notification for BGT closure activities at the Fred Feasel J # 1 well site (API #30-045-07031) located in Unit G, Section 34, Township 28N, Range 10W, 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](mailto:Kurt_Hoekstra@xtoenergy.com)





Division Denver  
 Dates -  
 06/01/2008 - 12/01/2014  
 Turne Route Stnn  
 Type Value F

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Townshi			
DEN NM Run 44A	FEASEL FRED J 001	Fowler, Kelvin	Mulnix, John	FRED FEASEL J 01	3004507031	34	10W	28N			
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
K Fowler	07/28/2008	09:55	No	No	No	Yes	No	3			1"line above ground
K Fowler	09/22/2008	11:00	No	No	No	Yes	No	3			1"line above ground
K Fowler	10/25/2008	11:15	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	1"line above ground
K Fowler	11/29/2008	11:20	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	1"line above ground
K Fowler	12/27/2008	11:30	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	1"line above ground
K Fowler	01/26/2009	11:00	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	02/03/2009	08:10	No	No	No	Yes	No	5	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	03/04/2009	09:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	04/10/2009	12:10	No	No	No	Yes	No	5	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	05/04/2009	10:30	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	06/02/2009	12:30	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	07/07/2009	11:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	08/12/2009	11:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
J CHENAULT	10/27/2009	09:45	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
KFOWLER	01/19/2010	09:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
KFOWLER	03/24/2010	09:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
LHOOVER	04/14/2010	12:10	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	1"line above ground
kfowler	11/25/2010	01:10	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	12/28/2010	11:10	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	01/06/2011	10:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	02/10/2011	11:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	03/27/2011	12:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	04/27/2011	12:15	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	05/12/2011	12:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	6/21/2011	2:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	7/29/2011	2:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	8/20/2011	1:15	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	9/15/2011	1:15	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
kfowler	1/11/2012	1:15	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	kf
bg	5/30/2012	9:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	