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

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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
July 21, 2008

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

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

116628

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

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

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

1.
Operator: XTO Energy, Inc. OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name: Federal E #1
API Number: 30-045-07481 OCD Permit Number:
U/L or Qtr/Qtr G Section 17 Township 28N Range 10W County: San Juan
Center of Proposed Design: Latitude 36.66436 Longitude 107.91588 NAD: ☐ 1927 ☒ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

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

RCVD JAN 16 '14
OIL CONS. DIV.
DIST. 3

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

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

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

28

6.

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

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☒ Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing

7.

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

☐ Screen ☐ Netting ☒ Other Expanded metal or solid vaulted top

☐ Monthly inspections (If netting or screening is not physically feasible)

8.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.3.103 NMAC

9.

Administrative Approvals and Exceptions:

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

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

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

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

10.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to permanent pits)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☒ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☒ No

11.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

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

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

12.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

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

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

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

13.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Climatological Factors Assessment
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Quality Control/Quality Assurance Construction and Installation Plan
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
☐ Emergency Response Plan
☐ Oil Field Waste Stream Characterization
☐ Monitoring and Inspection Plan
☐ Erosion Control Plan
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

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

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

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

15.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

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

16.

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

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

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

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

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

17.

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

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

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

18.

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

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

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

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

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

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

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

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

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

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

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

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

19.
Operator Application Certification:

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

Name (Print): Kim Champlin Title: Environmental Representative

Signature: Kim Champlin Date: 02/02/2009

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

20.
OCD Approval: ☐ Permit Application (including closure plan) ☒ ~~Closure Plan (only)~~ ☐ OCD Conditions (see attachment)

OCD Representative Signature: Jonathan D. Kelly 8/31/2014 **Approval Date:** 2/20/13

Title: Senior Hydrologist Compliance Officer **OCD Permit Number:**

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

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

☒ **Closure Completion Date:** December 12, 2013

22.
Closure Method:

☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain.

23.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: Disposal Facility Permit Number:

Disposal Facility Name: Disposal Facility Permit Number:

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

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

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

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

24.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

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

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

25.
Operator Closure Certification:

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

Name (Print): Logan Hixon Title: EHS Coordinator

Signature: Logan Hixon Date: December 27 2013

e-mail address: Logan_Hixon@Xtoenergy.com Telephone: (505) 333-3685

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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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 October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Federal E #1 (30-045-07481)	Facility Type: Gas Well (Dakota)

Surface Owner: Federal	Mineral Owner:	Lease No.: NMSF-047039B

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	17	28 N	10 W	1846	FNL	1850	FEL	San Juan County

Latitude: N36.66436 **Longitude:** W-107.91588

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: BGT	Date and Hour of Occurrence: Historical	Date and Hour of Discovery: 2-25-13
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The below grade tank was taken out of service at the Federal E #1 well site due to the plugging an abandoning of this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, Benzene and 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, and Chlorides but above the 'pit rule' standards for TPH via USEPA Method 418.1, confirming that a release had occurred at this location. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 10 due to an estimated distance of less than 1000 feet but greater than 200 feet to drainage. This set the closure standard to 1000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX, or 100 ppm organic vapors.

Describe Area Affected and Cleanup Action Taken.*
Based on TPH results of 1160 PPM via USEPA Method 418.1, it has been confirmed that a release had occurred at this location.

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

Signature: Logan Hixon	OIL CONSERVATION DIVISION	
Printed Name: Logan Hixon	Approved by District Supervisor:	
Title: Environmental Technician	Approval Date:	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: December 27, 2013 Phone: 505-333-3683		

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

Lease Name: **Federal E #1**
API No.: **30-045-07481**
Description: **Unit G, Section 17, 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 December 12, 2013

2. XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
   Closure Date is December 12, 2013

3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
   Required C-144 Form is attached to this document.

4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:
   Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B
   Soil contaminated by exempt petroleum hydrocarbons
   Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
   Basin Disposal Permit No. NM01-005
   Produced water
   All liquids and sludge were removed from the tank prior to closure activities.

5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.
   XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

6. XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.
All equipment has been removed due to the plugging and abandoning of the Federal E #1 well site.

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 five point 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
Benzene	EPA SW-846 8021B or 8260B	0.2	**< 0.0032 mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**< 0. 0479 mg/kg**
TPH	EPA SW-846 418.1	100	**1160 mg/kg**
Chlorides	EPA 300.1	250 or background	**86 mg/kg**
TPH	EPA SW-846 8015M	100	**< 5.63**

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 1160 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 March 1, 2013; see attached email printout.

The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.
The surface owner was notified on March 1, 2013 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 has been recontoured to match the above specifications.

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.
Site has been 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. Notifications and the sampling of this BGT were done early, but due to complications during the P&A'ing of this well, the BGT was not closed until a later date than planned date.

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Est. 1970

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Monday February 25, 2013

Report Number: L621101
Samples Received: 02/20/13
Client Project:

Description: Federal E #1

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

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

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

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

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

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REPORT OF ANALYSIS

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

February 25,2013

ESC Sample # : L621101-01

Site ID : FEDERAL E #1

Project # :

Date Received : February 20, 2013
Description : Federal E #1

Sample ID : 120661 BGT

Collected By : Logan Hixon
Collection Date : 02/18/13 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	86.	13.	mg/kg	9056	02/21/13	1
Total Solids	79.2	0.100	%	2540 G-2011	02/21/13	1
Benzene	BDL	0.0032	mg/kg	8021/8015	02/21/13	5
Toluene	BDL	0.032	mg/kg	8021/8015	02/21/13	5
Ethylbenzene	BDL	0.0032	mg/kg	8021/8015	02/21/13	5
Total Xylene	BDL	0.0095	mg/kg	8021/8015	02/21/13	5
TPH (GC/FID) Low Fraction	BDL	0.63	mg/kg	GRO	02/21/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	93.0		% Rec.	8021/8015	02/21/13	5
a,a,a-Trifluorotoluene(PID)	98.5		% Rec.	8021/8015	02/21/13	5
TPH (GC/FID) High Fraction	BDL	5.0	mg/kg	3546/DRO	02/24/13	1
Surrogate recovery(%)						
o-Terphenyl	54.0		% Rec.	3546/DRO	02/24/13	1

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

The reported analytical results relate only to the sample submitted
Reported: 02/25/13 15:38 Printed: 02/25/13 15:38

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REPORT OF ANALYSIS

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

February 25,2013

ESC Sample # : L621101-02

Site ID : FEDERAL E #1

Project # :

Date Received : February 20, 2013
Description : Federal E #1

Sample ID :

Collected By : Logan Hixon
Collection Date : 02/18/13 10:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.

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

The reported analytical results relate only to the sample submitted
Reported: 02/25/13 15:38 Printed: 02/25/13 15:38

Summary of Remarks For Samples Printed
02/25/13 at 15:38:48

TSR Signing Reports: 288
R5 - Desired TAT

Domestic Water Well Sampling-see L609759 Lobato for tests

Sample: L621101-01 Account: XTORNM Received: 02/20/13 09:00 Due Date: 02/27/13 00:00 RPT Date: 02/25/13 15:38

Sample: L621101-02 Account: XTORNM Received: 02/20/13 09:00 Due Date: 02/27/13 00:00 RPT Date: 02/25/13 15:38

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XTO Energy - San Juan Division
Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L621101

February 25, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG637777	02/21/13 09:52
Chloride	< 10	mg/kg			WG637822	02/21/13 10:57
Benzene	< .0005	mg/kg			WG637769	02/21/13 15:07
Ethylbenzene	< .0005	mg/kg			WG637769	02/21/13 15:07
Toluene	< .005	mg/kg			WG637769	02/21/13 15:07
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG637769	02/21/13 15:07
Total Xylene	< .0015	mg/kg			WG637769	02/21/13 15:07
a,a,a-Trifluorotoluene(FID)		% Rec.	94.17	59-128	WG637769	02/21/13 15:07
a,a,a-Trifluorotoluene(PID)		% Rec.	100.0	54-144	WG637769	02/21/13 15:07
TPH (GC/FID) High Fraction	< 4	mg/kg			WG637729	02/24/13 14:23
o-Terphenyl		% Rec.	76.50	50-150	WG637729	02/24/13 14:23

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	87.0	86.5	0.853	5	L621087-02	WG637777
Chloride	mg/kg	74.0	72.0	2.74	20	L621072-01	WG637822

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.2	100.	85-115	WG637777
Chloride	mg/kg	200	204.	102.	80-120	WG637822
Benzene	mg/kg	.05	0.0477	95.5	76-113	WG637769
Ethylbenzene	mg/kg	.05	0.0521	104.	78-115	WG637769
Toluene	mg/kg	.05	0.0502	100.	76-114	WG637769
Total Xylene	mg/kg	.15	0.162	108.	81-118	WG637769
a,a,a-Trifluorotoluene(PID)				99.41	54-144	WG637769
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.20	76.3	67-135	WG637769
a,a,a-Trifluorotoluene(FID)				98.11	59-128	WG637769
TPH (GC/FID) High Fraction	mg/kg	60	46.8	78.1	50-150	WG637729
o-Terphenyl				78.50	50-150	WG637729

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/kg	205.	204.	102.	80-120	0.489	20	WG637822
Benzene	mg/kg	0.0477	0.0477	95.0	76-113	0.140	20	WG637769
Ethylbenzene	mg/kg	0.0514	0.0521	103.	78-115	1.44	20	WG637769
Toluene	mg/kg	0.0495	0.0502	99.0	76-114	1.33	20	WG637769
Total Xylene	mg/kg	0.159	0.162	106.	81-118	1.79	20	WG637769
a,a,a-Trifluorotoluene(PID)				99.02	54-144			WG637769
TPH (GC/FID) Low Fraction	mg/kg	4.20	4.20	76.0	67-135	0.0400	20	WG637769

* 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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Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L621101

February 25, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
a,a,a-Trifluorotoluene(FID)				98.15	59-128			
TPH (GC/FID) High Fraction	mg/kg	48.0	46.8	80.0	50-150	2.46	20	WG637729
o-Terphenyl				80.40	50-150			WG637729

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/kg	551.	64.0	500	97.4	80-120	L621075-01	WG637822
Benzene	mg/kg	0.234	0.000350	.05	93.4	32-137	L621101-01	WG637769
Ethylbenzene	mg/kg	0.253	0.000362	.05	101.	10-150	L621101-01	WG637769
Toluene	mg/kg	0.248	0.000819	.05	98.7	20-142	L621101-01	WG637769
Total Xylene	mg/kg	0.791	0.00139	.15	105.	16-141	L621101-01	WG637769
a,a,a-Trifluorotoluene(PID)					98.18	54-144		WG637769
TPH (GC/FID) Low Fraction	mg/kg	18.2	0	5.5	66.0	55-109	L621101-01	WG637769
a,a,a-Trifluorotoluene(FID)					94.60	59-128		WG637769
TPH (GC/FID) Low Fraction	mg/kg	18.1	0	5.5	65.9	55-109	L621101-01	WG637769
a,a,a-Trifluorotoluene(FID)					94.50	59-128		WG637769
TPH (GC/FID) High Fraction	mg/kg	85.4	25.4	60	100.	50-150	L621087-01	WG637729
o-Terphenyl					64.00	50-150		WG637729

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	569.	551.	101.	80-120	3.21	20	L621075-01	WG637822
Benzene	mg/kg	0.221	0.234	88.1	32-137	5.90	39	L621101-01	WG637769
Ethylbenzene	mg/kg	0.222	0.253	88.7	10-150	12.9	44	L621101-01	WG637769
Toluene	mg/kg	0.222	0.248	88.6	20-142	10.8	42	L621101-01	WG637769
Total Xylene	mg/kg	0.689	0.791	91.7	16-141	13.8	46	L621101-01	WG637769
a,a,a-Trifluorotoluene(FID)				92.56	59-128				WG637769
TPH (GC/FID) High Fraction	mg/kg	132.	85.4	178.*	50-150	43.0*	20	L621087-01	WG637729
o-Terphenyl				53.00	50-150				WG637729

Batch number /Run number / Sample number cross reference

WG637777: R2551398: L621101-01 02
WG637822: R2552677: L621101-01 02
WG637769: R2554457: L621101-01 02
WG637729: R2556037: L621101-01 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.'

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XTO Energy - San Juan Division
Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L621101

February 25, 2013

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

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

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

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

Company Name/Address:	Billing Information:	Analysis/Container/Preservative	Chain of Custody Page ___ of ___
XTO Energy - San Juan Division 382 County Road 3100 Aztec,NM 87410	XTO Energy Inc Accounts Payable PO Box 6501 Englewood,CO 80155		ESC LAB SCIENCES 12065 Lebanon Road Mt. Juliet, TN 37122 Phone: (800) 767-5859 Phone: (615) 758-5858 Fax: (615) 758-5859 F158

Report to: Logan Hixon

Email to: Logan_Hixon@xtoenergy.com

Project Description: Federal E #1

City/State Collected: NM

Phone: (505) 333-3100

FAX:

Client Project #:

ESC Key:

Collected by: (print) Logan Hixon

Site/Facility ID#: Federal E #1

P.O.#:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ (Y)

Rush? (Lab MUST Be Notified)
___ Same Day.......200%
___ Next Day........100%
___ Two Day.........50%
___ Three Day.......25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

CoCode **XTORNM** (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8015 (DRO+GRO)	8021	Chlorides				Remarks/Contaminant	Sample # (lab only)
120661 bgT	comp	SS		2-18-13	10:30	1-4oz	X	X	X					L621101-01
21661 bgT	comp	SS		2-18-13	10:45	1-4oz	X	X	X					-02

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other________

pH __________ Temp __________

Remarks:

504006367565 Flow __________ Other __________

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐	Condition: JF (lab use only) (OK)
[signature]	2-18-14	20:30			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 / Bottles Received: 2-4oz	CoC Seals Intact ___Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 2/20/13 / Time: 0900	pH Checked: / NCF:

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 15208

Samples Received: 2/19/2013 11:30:00AM

Job Number: 98031-0528

Work Order: P302085

Project Name/Location: Federal E #1

Entire Report Reviewed By: _____ Date: 2/20/13

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Federal E #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	20-Feb-13 13:59

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
120 bbl bgt comp	P302085-01A	Soil	02/18/13	02/19/13	Glass Jar, 4 oz.
21 bbl bgt comp	P302085-02A	Soil	02/18/13	02/19/13	Glass Jar, 4 oz.

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envirotech-inc.com
laboratory@envirotech-inc.com

XTO Energy Inc.	Project Name:	Federal E #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	20-Feb-13 13:59

120 bbl bgt comp

P302085-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	**1160**	20.0	mg/kg	3.997	1308021	20-Feb-13	20-Feb-13	EPA 418.1	

XTO Energy Inc.	Project Name:	Federal E #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	20-Feb-13 13:59

P302085-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Total Petroleum Hydrocarbons by 418.1

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Federal E #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	20-Feb-13 13:59

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1308021 - 418 Freon Extraction										
Blank (1308021-BLK1)				Prepared & Analyzed: 20-Feb-13						
Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
Duplicate (1308021-DUP1)		**Source: P302085-01**		Prepared & Analyzed: 20-Feb-13						
Total Petroleum Hydrocarbons	1270	20.0	mg/kg		1160			8.77	30	
Matrix Spike (1308021-MS1)		**Source: P302085-01**		Prepared & Analyzed: 20-Feb-13						
Total Petroleum Hydrocarbons	2800	20.0	mg/kg	2000	1160	82.0	80-120			

XTO Energy Inc.	Project Name:	Federal E #1	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	20-Feb-13 13:59

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

CHAIN OF CUSTODY RECORD

15208

Client:	Project Name / Location:
XTO	Federal E #1
Email results to:	Sampler Name:
Logan_Hixon@xtoenergy.com	Logan Hixon
Client Phone No.:	Client No.:
(505) 396 8018	98031-0578

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	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
120661 6gT comp	2-18-13	10:30	P302085-01	1-40Z												X					Y	Y
21 661 6gT comp	2-18-13	10:45	P302085-02	1-40Z												X					Y	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Logan Hixon	2-19-13	11:30		2/19/13	11:3
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix

Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

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

envirotech
Analytical Laboratory

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san juan reproduction 578-129

Hixon, Logan

From:	Hixon, Logan
Sent:	Friday, March 01, 2013 1:06 PM
To:	BRANDON POWELL (brandon.powell@state.nm.us); MARK KELLY (mark_kelly@blm.gov)
Cc:	McDaniel, James; Hoekstra, Kurt
Subject:	BGT Closure Notifications-RP Hargrave K #1E (33-045-25635), Florance D LS #16 (30-045-11707), EH Pipkin #9 (30-045-06957), Federal E #1 (30-045-07481)

Brandon & Mark,
Please accept this email as the required notification for BGT closure activities at these sites:

RP Hargrave K #1E (API 30-045-25635) Located in Section 16 (C), Township 27N, Range 10W, San Juan County, New Mexico.

Florance D LS #16 (API 30-045-11707) Located in Section 20 (H), Township 27N, Range 8W, San Juan County, New Mexico.

EH Pipkin #9 (API 30-045-06957) Located in Section 35 (N), Township 28N, Range 11W, San Juan County, New Mexico.

Federal E #1 (API 30-045-07481) Located in Section 17 (G), Township 28N, Range 10W, San Juan County, New Mexico.

These below grade tanks are being closed due to the P&A'ing of these well sites.

Thank you for your time in regards to this matter.

Thank You!
Logan Hixon
Western Division
382 CR 3100
Aztec NM 87410
Office (505)333-3683

Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 55B	FEDERAL E 001	Randolph, Steve	Sanders, David	FEDERAL E 001	3004507481	17	10W	28N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
s.r.	08/24/2008	10:30	No	No	No	Yes	No	5			
s.r.	10/14/2008	10:45	No	No	No	Yes	No	5	Well Water	Below Ground	
s.r.	11/14/2008	12:20	No	No	No	Yes	No	4	Well Water	Below Ground	
s.r.	12/01/2008	02:00	No	No	No	Yes	No	3	Well Water	Below Ground	
s.r.	01/12/2009	12:00	No	No	No	Yes	No	4	Well Water	Below Ground	
s.r.	02/27/2009	11:30	No	No	No	Yes	No	5	Well Water	Below Ground	
s.r.	03/16/2009	11:30	No	No	No	Yes	No	3	Well Water	Below Ground	
s.r.	04/10/2009	1230:00	No	No	No	Yes	No	4	Well Water	Below Ground	
s.r.	05/04/2009	12:30	No	No	No	Yes	No	5	Well Water	Below Ground	
rm	06/02/2009	11:30	No	No	No	Yes	No	4	Well Water	Below Ground	
rm	07/07/2009	11:35	No	No	No	Yes	No	4	Well Water	Below Ground	
rm	08/07/2009	09:15	No	No	No	Yes	No	4	Well Water	Below Ground	
rm	09/01/2009	11:00	No	No	No	Yes	No	3	Well Water	Below Ground	
rm	10/01/2009	11:50	No	No	No	Yes	No	3	Well Water	Below Ground	
sr	11/03/2009	10:30	No	No	No	Yes	No	5	Well Water	Below Ground	
sr	12/04/2009	10:00	No	No	No	Yes	No	5	Well Water	Below Ground	
sr	01/11/2010	09:00	No	No	No	Yes	No	5	Well Water	Below Ground	
sr	02/19/2010	10:00	No	No	No	Yes	No	5	Well Water	Below Ground	
rm	03/05/2010	10:30	No	No	No	Yes	No	3	Well Water	Below Ground	
rm	04/01/2010	12:31	No	No	No	Yes	No	3	Well Water	Below Ground	
rm	05/10/2010	12:25	No	No	No	Yes	No	4	Well Water	Below Ground	
Bks	05/27/2010	10:00	No	No	No	Yes	No	3	Well Water	Below Ground	
Bks	07/20/2010	03:25	No	No	No	Yes	No	2	Well Water	Below Ground	
sr	08/16/2010	09:55	No	No	No	Yes	No	3	Well Water	Below Ground	
sr	09/15/2010	08:15	No	No	No	Yes	No	3	Well Water	Below Ground	
sr	10/05/2010	11:15	No	No	No	Yes	No	4	Well Water	Below Ground	
sr	11/09/2010	08:00	No	No	No	Yes	No	3	Well Water	Below Ground	
Bks	12/11/2010	11:50	No	No	No	Yes	No	1	Well Water	Below Ground	
sr	01/17/2011	08:00	No	No	No	Yes	No	2	Well Water	Below Ground	
sr	02/15/2011	09:00	No	No	No	Yes	No	4	Well Water	Below Ground	
sr	04/26/2011	09:00	No	No	No	Yes	No	4	Well Water	Below Ground	
sr	05/23/2011	09:15	No	No	No	Yes	No	4	Well Water	Below Ground	
sr	06/13/2011	09:15	No	No	No	Yes	No	3	Well Water	Below Ground	
sr	07/15/2011	08:30	No	No	No	Yes	No	3	Well Water	Below Ground	
sr	08/15/2011	09:15	No	No	No	No	No	4	Well Water	Below Ground	
sr	09/21/2011	09:15	No	No	No	No	No	4	Well Water	Below Ground	
sr	10/19/2011	08:15	No	No	No	No	No	4	Well Water	Below G	0
sr	11/17/2011	08:00	No	No	No	No	No	3	Well Water	Below G	0
sr	12/14/2011	09:30	No	No	No	No	No	3	Well Water	Below G	0
sr	01/09/2012	09:00	No	No	No	No	No	3	Well Water	Below G	0
sr	03/06/2012	10:00	No	No	No	No	No	3	Well Water	Below G	0
sr	04/19/2012	08:00	No	No	No	No	No	3	Well Water	Below G	0
sr	05/09/2012	08:15	No	No	No	No	No	3	Well Water	Below G	0
sr	06/07/2012	11:00	No	No	No	No	No	3	Well Water	Below G	0
sr	07/11/2012	10:00	No	No	No	No	No	3	Well Water	Below G	0
sr	08/22/2012	10:15	No	No	No	No	No	3	Well Water	Below G	0
sr	09/10/2012	10:30	No	No	No	No	No	3	Well Water	Below G	0
sr	10/08/2012	08:45	No	No	No	No	No	3	Well Water	Below G	0
sr	11/13/2012	09:15	No	No	No	No	No	3	Well Water	Below G	0
sr	12/18/2012	08:15	No	No	No	No	No	3	Well Water	Below G	0

XTO Energy, Inc.
Federal E #1
Section 17 (G), Township 28N, Range 10W
Closure Date December 12, 2013

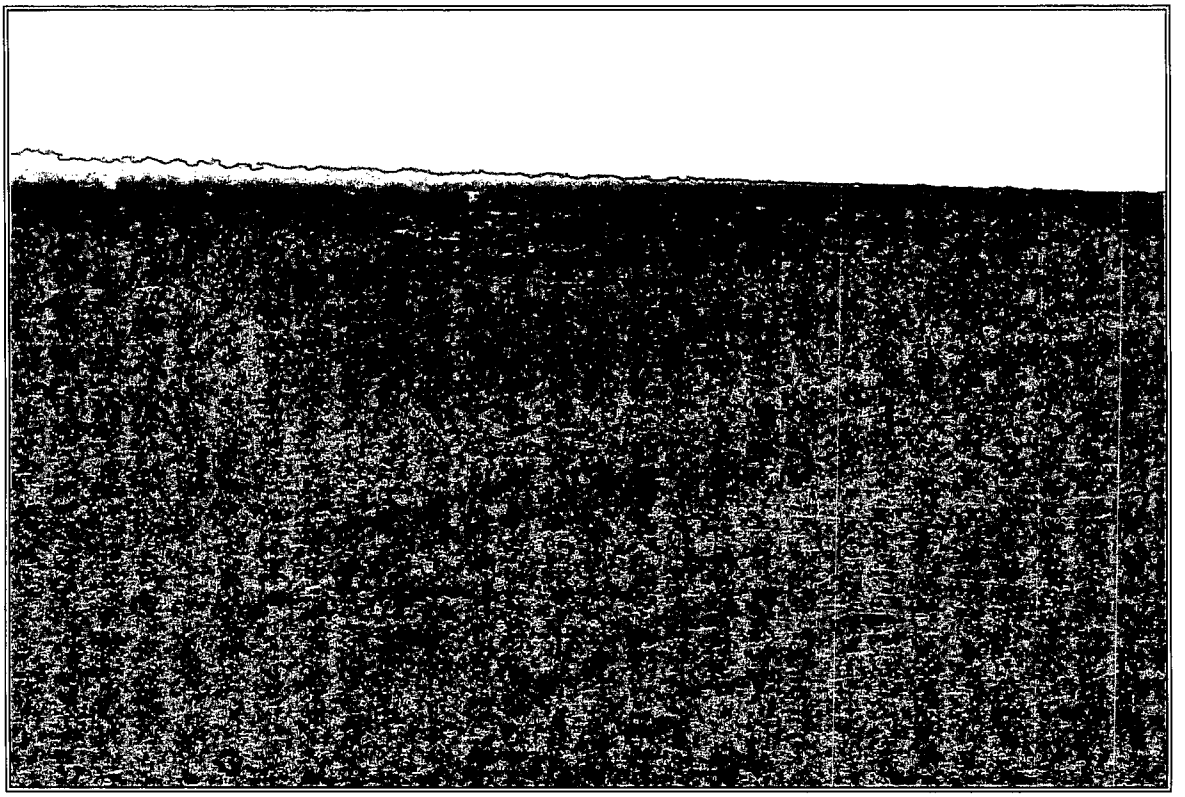

Photo 1: Federal E #1 after Plugging and Abandoning.

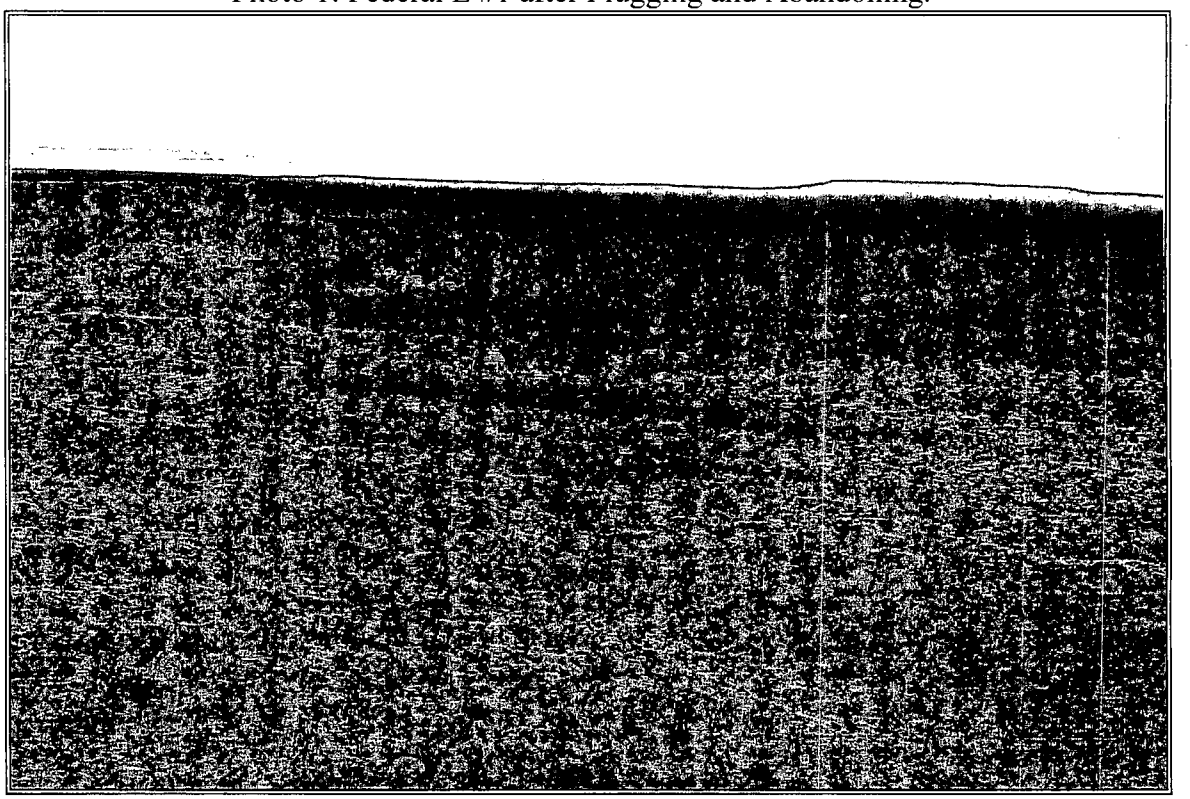

Photo 2: Federal E #1 after Plugging and Abandoning.

XTO Energy, Inc.
Federal E #1
Section 17 (G), Township 28N, Range 10W
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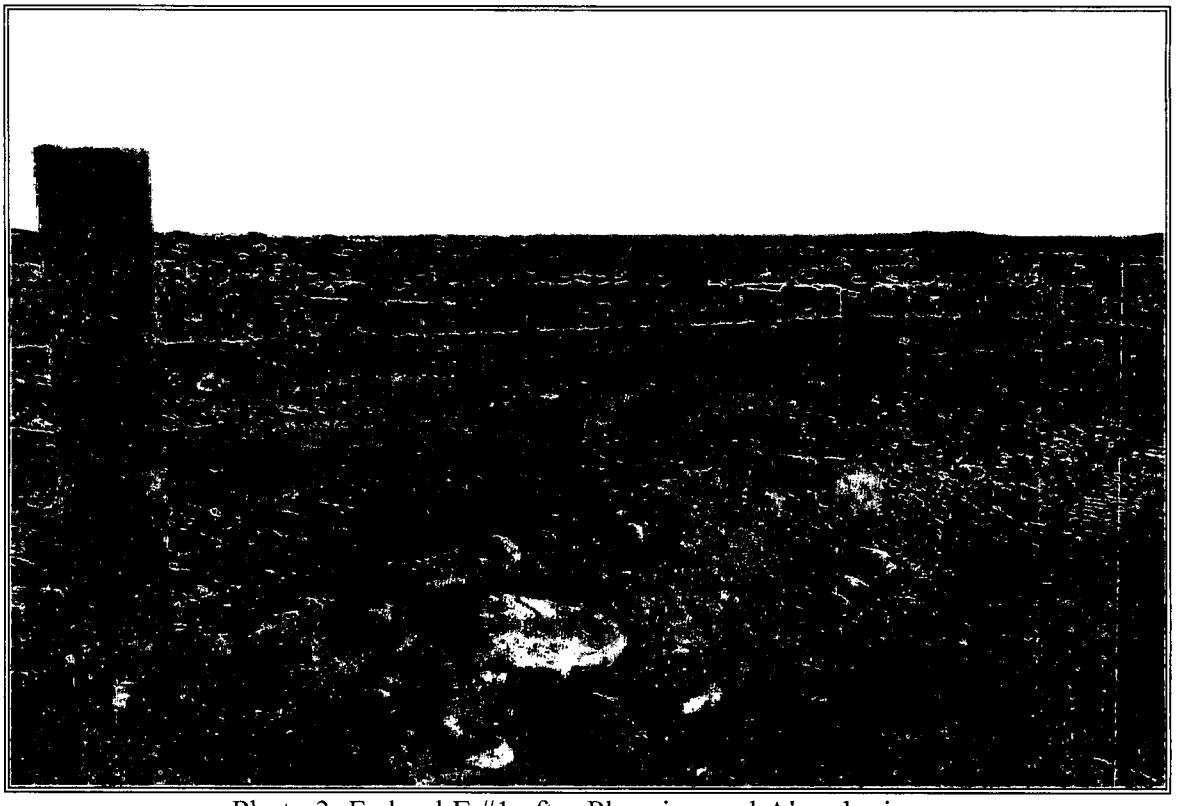

Photo 3: Federal E #1 after Plugging and Abandoning.

Photo 4: Federal E #1 after Plugging and Abandoning.