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

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

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.

10499

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

Type of action:
- ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
- ☒ 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.

Operator: XTO Energy, Inc. OGRID #: 5380

Address: 382 Road 3100, Aztec, New Mexico 87410

Facility or well name: PO Pipkin #4R

API Number: 30-045-30353 OCD Permit Number:

U/L or Qtr/Qtr E Section 17 Township 27N Range 10W County: San Juan

Center of Proposed Design: Latitude N 36.57853 Longitude W -107.92469 NAD: ☐1927 ☒ 1983

Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

RCVD DEC 3 '12
OIL CONS. DIV.
DIST. 3

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 OCT 9 '12
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 ☐ Not labeled

Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

5.

☐ **Alternative Method:**

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

6.

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

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

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

☐ Alternate. Please specify_____

7.

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

☐ Screen ☐ Netting ☐ Other_____

☐ 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.	☐ Yes ☐ No
Within 500 feet of a wetland.	☐ 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): Logan Hixon Title: EH&S Technician

Signature: Logan Hixon Date: 10/4/2012

E-mail address: Logan_Hixon@xtoenergy.com Telephone: 505-333-3683

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

OCD Representative Signature: Jonathan D. Kelly Jonathan D Kelly 12/10/2012 **Approval Date:** 10/15/2012

Title: 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:** 10-24-12

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: EH&S Technician

Signature: Logan Hixon Date: 11-30-12

E-mail address Logan-Hixon@xtoenergy.com Telephone: (505) 333-3683

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

State of New Mexico
Energy Minerals and Natural Resources

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: PO Pipkin #4R (30-045-30353)	Facility Type: Gas Well (Mancos)

Surface Owner: Federal Land	Mineral Owner:	Lease No.: NMSF-077875

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	17	27 N	10W	1390	FNL	775	FWL	San Juan

Latitude: N36*.57853 **Longitude:** W-107*.92469

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: August 21, 2012
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? N/A	
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 PO Pipkin #4R well site due to the plugging and 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, but above the 'pit rule' standards for TPH, and above the 'pit rule' standards for total chlorides, confirming that a release has occurred at this location.

Describe Area Affected and Cleanup Action Taken.*
Based on TPH results of 504 PPM via USEPA Method 418.1, and chlorides results of 1800 ppm 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 Approved by District Supervisor:	
Printed Name: Logan Hixon		
Title: Environmental Technician	Approval Date:	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 11-30-12 Phone: 505-333-3202		

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

Lease Name: PO Pipkin #4R
API No.: 30-045-30353
Description: Unit E, Section 17, Township 27N, 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 October 24, 2012

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 October 24, 2012

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 PO Pipkin #4R 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. 0028mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**< 0. 0421mg/kg**
TPH	EPA SW-846 418.1	100	**504 mg/kg**
Chlorides	EPA 300.1	250 or background	**1800 mg/kg**
TPH	EPA SW-846 8015	100	**5.2 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 Chloride results of 1800 PPM, and due to TPH results of 504 ppm via USEPA Method 418.1, 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 September 4, 2012; 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 September 4, 2012 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**

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Est. 1970

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

Report Summary

Tuesday August 21, 2012

Report Number: L590301
Samples Received: 08/16/12
Client Project:

Description: PO Pipkin #4R

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

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

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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

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

August 21,2012

ESC Sample # : L590301-01

Site ID :

Project # :

Date Received : August 16, 2012
Description : PO Pipkin #4R

Sample ID : BGT CELLAR COMP

Collected By : Logan Hixon
Collection Date : 08/14/12 10:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	1800	56.	mg/kg	9056	08/20/12	5
Total Solids	88.5	0.100	%	2540G	08/17/12	1
Benzene	BDL	0.0028	mg/kg	8021/8015	08/17/12	5
Toluene	BDL	0.028	mg/kg	8021/8015	08/17/12	5
Ethylbenzene	BDL	0.0028	mg/kg	8021/8015	08/17/12	5
Total Xylene	BDL	0.0085	mg/kg	8021/8015	08/17/12	5
TPH (GC/FID) Low Fraction	BDL	0.56	mg/kg	GRO	08/17/12	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	98.3		% Rec.	8021/8015	08/17/12	5
a,a,a-Trifluorotoluene(PID)	105.		% Rec.	8021/8015	08/17/12	5
TPH (GC/FID) High Fraction	5.2	4.5	mg/kg	3546/DRO	08/17/12	1
Surrogate recovery(%)						
o-Terphenyl	70.4		% Rec.	3546/DRO	08/17/12	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
Reported: 08/21/12 17:11 Printed: 08/21/12 17:11

Summary of Remarks For Samples Printed
08/21/12 at 17:11:45

TSR Signing Reports: 288
R5 - Desired TAT

drywt

Sample: L590301-01 Account: XTORNM Received: 08/16/12 09:00 Due Date: 08/23/12 00:00 RPT Date: 08/21/12 17:11

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XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L590301

August 21, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction	< 4	ppm			WG608101	08/17/12 07:43
o-Terphenyl		% Rec.	73.33	50-150	WG608101	08/17/12 07:43
Total Solids	< .1	%			WG608080	08/17/12 09:39
Benzene	< .0005	mg/kg			WG608110	08/17/12 14:38
Ethylbenzene	< .0005	mg/kg			WG608110	08/17/12 14:38
Toluene	< .005	mg/kg			WG608110	08/17/12 14:38
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG608110	08/17/12 14:38
Total Xylene	< .0015	mg/kg			WG608110	08/17/12 14:38
a,a,a-Trifluorotoluene(FID)		% Rec.	99.21	59-128	WG608110	08/17/12 14:38
a,a,a-Trifluorotoluene(PID)		% Rec.	106.2	54-144	WG608110	08/17/12 14:38
Chloride	< 10	mg/kg			WG608467	08/20/12 11:23

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	85.0	84.5	0.749	5	L590277-08	WG608080
Chloride	mg/kg	1500	1600	6.45	20	L590301-01	WG608467
Chloride	mg/kg	120.	113.	5.17	20	L590778-01	WG608467

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction	ppm	60	47.3	78.8	50-150	WG608101
o-Terphenyl				72.47	50-150	WG608101
Total Solids	%	50	50.0	100.	85-115	WG608080
Benzene	mg/kg	.05	0.0463	92.6	76-113	WG608110
Ethylbenzene	mg/kg	.05	0.0539	108.	78-115	WG608110
Toluene	mg/kg	.05	0.0508	102.	76-114	WG608110
Total Xylene	mg/kg	.15	0.169	113.	81-118	WG608110
a,a,a-Trifluorotoluene(FID)				99.61	59-128	WG608110
a,a,a-Trifluorotoluene(PID)				105.9	54-144	WG608110
TPH (GC/FID) Low Fraction	mg/kg	5.5	6.87	125.	67-135	WG608110
a,a,a-Trifluorotoluene(FID)				105.5	59-128	WG608110
a,a,a-Trifluorotoluene(PID)				118.0	54-144	WG608110
Chloride	mg/kg	200	201.	101.	80-120	WG608467

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	ppm	47.4	47.3	79.0	50-150	0.287	23	WG608101
o-Terphenyl				75.01	50-150			WG608101
Benzene	mg/kg	0.0463	0.0463	93.0	76-113	0.0900	20	WG608110
Ethylbenzene	mg/kg	0.0542	0.0539	108.	78-115	0.570	20	WG608110

* 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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Quality Assurance Report
Level II

L590301

August 21, 2012

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
Toluene	mg/kg	0.0505	0.0508	101.	76-114	0.630	20	WG608110
Total Xylene	mg/kg	0.169	0.169	113.	81-118	0.120	20	WG608110
a,a,a-Trifluorotoluene(FID)				99.72	59-128			WG608110
a,a,a-Trifluorotoluene(PID)				105.9	54-144			WG608110
TPH (GC/FID) Low Fraction	mg/kg	6.97	6.87	127.	67-135	1.51	20	WG608110
a,a,a-Trifluorotoluene(FID)				105.7	59-128			WG608110
a,a,a-Trifluorotoluene(PID)				116.8	54-144			WG608110
Chloride	mg/kg	202.	201.	101.	80-120	0.496	20	WG608467

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	ppm	49.5	0	60	82.4	50-150	L590282-04	WG608101
o-Terphenyl					76.41	50-150		WG608101
Benzene	mg/kg	0.197	0	.05	78.8	32-137	L590301-01	WG608110
Ethylbenzene	mg/kg	0.227	0	.05	90.9	10-150	L590301-01	WG608110
Toluene	mg/kg	0.221	0	.05	88.3	20-142	L590301-01	WG608110
Total Xylene	mg/kg	0.720	0	.15	95.9	16-141	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)					99.08	59-128		WG608110
a,a,a-Trifluorotoluene(PID)					105.4	54-144		WG608110
TPH (GC/FID) Low Fraction	mg/kg	25.3	0	5.5	92.1	55-109	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)					103.2	59-128		WG608110
a,a,a-Trifluorotoluene(PID)					113.3	54-144		WG608110
Chloride	mg/kg	534.	44.0	500	98.0	80-120	L590593-01	WG608467

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	ppm	56.4	49.5	94.0	50-150	13.1	40	L590282-04	WG608101
o-Terphenyl				73.48	50-150				WG608101
Benzene	mg/kg	0.220	0.197	88.0	32-137	11.0	39	L590301-01	WG608110
Ethylbenzene	mg/kg	0.253	0.227	101.	10-150	10.7	44	L590301-01	WG608110
Toluene	mg/kg	0.239	0.221	95.7	20-142	8.05	42	L590301-01	WG608110
Total Xylene	mg/kg	0.793	0.720	106.	16-141	9.76	46	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)				99.42	59-128				WG608110
a,a,a-Trifluorotoluene(PID)				105.6	54-144				WG608110
TPH (GC/FID) Low Fraction	mg/kg	29.0	25.3	106.	55-109	13.6	20	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)				103.8	59-128				WG608110
a,a,a-Trifluorotoluene(PID)				115.4	54-144				WG608110
Chloride	mg/kg	550.	534.	101.	80-120	2.95	20	L590593-01	WG608467

Batch number /Run number / Sample number cross reference

WG608101: R2306116: L590301-01
WG608080: R2306439: L590301-01
WG608110: R2307813: L590301-01
WG608467: R2310613: L590301-01

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

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James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L590301

August 21, 2012

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.

D041

Chain of Custody
Page___of___

Company Name/Address	Alternate Billing	Prepared by:
XTO Energy, Inc. **382 County Road 3100** **Aztec, NM 87410**	XTORNM031810S	ENVIRONMENTAL Science corp 12065 Lebanon Road Mt. Juliet TN 37122 Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859

Report to: James McDaniel Logan Hixon
E-mail to: james_mcdaniel@xtoenergy.com Logan_Hixon@xtoenergy.com

Project Description: PO Pipkin #4R — City/State Collected: NM

PHONE: 505-333-3701 — Client Project No. — Lab Project #
FAX:

Collected by: Logan Hixon — Site/Facility ID# — P.O.#

Collected by(Signature): Logan Hixt

Packed on Ice N 0

Rush? (Lab MUST be Notified)
_____Next Day.....100%
_____Two Day.....50%
_____Three Day.....25%

Date Results Needed

Email?__No_X__Yes
FAX?___No___Yes

CoCode (lab use only)
XTORNM
Template/Prelogin

Shipped Via: Fed Ex

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Ctrs	8015	8021	Chlorides	Remarks/contaminant	Sample # (lab only)
Bgt Cellar comp	comp	SS		8/14/12	10:15	4oz	X	X	X		L590301-01

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____ pH_____ Temp_____

Remarks: "ONLY 1 COC Per Site!!" Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEX_X_ UPS__Other__	Condition (lab use only)
Logan Hixt	8/15/12	13:30		4963 4592 9564	OK
Relinquisher by:(Signature	Date:	Time:	Received by: (Signature)	Temp: 5.7° Bottles Received: 1 4oz	
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 8/16/12 Time: 0900	pH Checked: NCF:

envirotech
Analytical Laboratory

Report Summary

Client: XTO

Chain of Custody Number: 14264

Samples Received: 08-15-12

Job Number: 98031-0528

Sample Number(s): 62964

Project Name/Location: Po Pipkin #4R

Entire Report Reviewed By: _____ Date: 8/22/12

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.

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

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Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Bgt cellar comp	Date Reported:	08-21-12
Laboratory Number:	62964	Date Sampled:	08-14-12
Chain of Custody No:	14264	Date Received:	08-15-12
Sample Matrix:	Soil	Date Extracted:	08-21-12
Preservative:	Cool	Date Analyzed:	08-21-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**504**	**6.6**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Po Pipkin #4R**

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laboratory@envirotech-inc.com

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Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-21-12
Laboratory Number:	08-21-TPH.QA/QC 63037	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-21-12
Preservative:	N/A	Date Extracted:	08-21-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	07-11-12	08-21-12	1,660	1,720	3.6%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.6

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	114	123	8.2%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	114	2,000	1,860	88.0%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **QA/QC for Samples 62964, 63033, 63036-63038.**

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laboratory@envirotech-inc.com

14264

CHAIN OF CUSTODY RECORD

Client:	Project Name / Location:
XTO Energy	po pipkin #4R
Email results to: Logan_Hixon@xtoenergy.com James_mcdaniel@xtoenergy.com kurt_hoekstra@xtoenergy.com	Sampler Name: Logan Hixon
Client Phone No.: (505) 386-8018	Client No.: 98031-0528

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
Bgt cellar comp	8/14/12	10:15	L029464	1-40z												X					Y	Y

ANALYSIS / PARAMETERS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Logan Hixon	8/14	1:24	Jaime Zabin	8/15/12	1:25
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix

Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

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

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Analytical Laboratory

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san juan reproduction 578-129

Logan Hixon/FAR/CTOC
09/04/2012 09:09 AM

To BRANDON POWELL
cc Kurt Hoekstra/FAR/CTOC@CTOC, James McDaniel/FAR/CTOC@CTOC
bcc
Subject BGT Closure Notification-PO Pipkin #4R

Brandon,
Please accept this email as the required notification for BGT closure activities at the following well site:

PO Pipkin #4R (API #30-045-30353) Located in Section 17E, Township 27N, Range 10W, San Juan County New Mexico

This below grade tank is being closed due to plugging and abandoning of this well location.
Thank you for your time in regards to this matter.

Thank You!
Logan Hixon
Environmental Technician
XTO Energy Inc. An ExxonMobil Subsidiary
Western Division
382 CR 3100
Aztec NM 87410
Office (505)333- 3683
Cell (505) 386-8018
Logan_Hixon@xtoenergy.com

Logan Hixon/FAR/CTOC
09/04/2012 09:10 AM

To MARK KELLY
cc James McDaniel/FAR/CTOC@CTOC, Kurt Hoekstra/FAR/CTOC@CTOC
bcc
Subject BGT Closure Notification-PO Pipkin #4R

Mark,
Please accept this email as the required notification for BGT closure activities at the following well site:

PO Pipkin #4R (API #30-045-30353) Located in Section 17E, Township 27N, Range 10W, San Juan County New Mexico

This below grade tank is being closed due to plugging and abandoning of this well location.
Thank you for your time in regards to this matter.

Thank You!
Logan Hixon
Environmental Technician
XTO Energy Inc. An ExxonMobil Subsidiary
Western Division
382 CR 3100
Aztec NM 87410
Office (505)333- 3683
Cell (505) 386-8018
Logan_Hixon@xtoenergy.com

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

State of New Mexico
Energy Minerals and Natural Resources

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: PO Pipkin #4R (30-045-30353)	Facility Type: Gas Well (Mancos)

Surface Owner: Federal Land	Mineral Owner:	Lease No.: NMSF-077875

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	17	27 N	10W	1390	FNL	775	FWL	San Juan

Latitude: N36*.57853 **Longitude:** W-107*.92469

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: August 21, 2012
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? N/A	
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 PO Pipkin #4R well site due to the plugging and 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, but above the 'pit rule' standards for TPH, and above the 'pit rule' standards for total chlorides, confirming that a release has 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 20 due to an estimated depth to groundwater between 50-100 feet, and a distance to surface water of less than 1,000 feet. This set the closure standard to 100 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 504 ppm via USEPA Method 418.1, and chloride results of 1800 ppm it has been confirmed that a release had occurred on this location. The BGT closure composite sample returned results below the regulatory standards determined for this site pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases of 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX, via US EPA methods 8015 and 8021 respectively. All applicable analytical results are attached for your reference.

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: 11-30-12 Phone: 505-333-3202		

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Report Summary

Tuesday August 21, 2012

Report Number: L590301
Samples Received: 08/16/12
Client Project:

Description: PO Pipkin #4R

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

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.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences.
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

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

August 21,2012

ESC Sample # : L590301-01

Site ID :

Project # :

Date Received : August 16, 2012
Description : PO Pipkin #4R

Sample ID : BGT CELLAR COMP

Collected By : Logan Hixon
Collection Date : 08/14/12 10:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	1800	56.	mg/kg	9056	08/20/12	5
Total Solids	88.5	0.100	%	2540G	08/17/12	1
Benzene	BDL	0.0028	mg/kg	8021/8015	08/17/12	5
Toluene	BDL	0.028	mg/kg	8021/8015	08/17/12	5
Ethylbenzene	BDL	0.0028	mg/kg	8021/8015	08/17/12	5
Total Xylene	BDL	0.0085	mg/kg	8021/8015	08/17/12	5
TPH (GC/FID) Low Fraction	BDL	0.56	mg/kg	GRO	08/17/12	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	98.3		% Rec.	8021/8015	08/17/12	5
a,a,a-Trifluorotoluene(PID)	105.		% Rec.	8021/8015	08/17/12	5
TPH (GC/FID) High Fraction	5.2	4.5	mg/kg	3546/DRO	08/17/12	1
Surrogate recovery(%)						
o-Terphenyl	70.4		% Rec.	3546/DRO	08/17/12	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
Reported: 08/21/12 17:11 Printed: 08/21/12 17:11

Summary of Remarks For Samples Printed
08/21/12 at 17:11:45

TSR Signing Reports: 288
R5 - Desired TAT

drywt

Sample: L590301-01 Account: XTORNM Received: 08/16/12 09:00 Due Date: 08/23/12 00:00 RPT Date: 08/21/12 17:11

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XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L590301

August 21, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction	< 4	ppm			WG608101	08/17/12 07:43
o-Terphenyl		% Rec.	73.33	50-150	WG608101	08/17/12 07:43
Total Solids	< .1	%			WG608080	08/17/12 09:39
Benzene	< .0005	mg/kg			WG608110	08/17/12 14:38
Ethylbenzene	< .0005	mg/kg			WG608110	08/17/12 14:38
Toluene	< .005	mg/kg			WG608110	08/17/12 14:38
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG608110	08/17/12 14:38
Total Xylene	< .0015	mg/kg			WG608110	08/17/12 14:38
a,a,a-Trifluorotoluene(FID)		% Rec.	99.21	59-128	WG608110	08/17/12 14:38
a,a,a-Trifluorotoluene(PID)		% Rec.	106.2	54-144	WG608110	08/17/12 14:38
Chloride	< 10	mg/kg			WG608467	08/20/12 11:23

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	85.0	84.5	0.749	5	L590277-08	WG608080
Chloride	mg/kg	1500	1600	6.45	20	L590301-01	WG608467
Chloride	mg/kg	120.	113.	5.17	20	L590778-01	WG608467

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction	ppm	60	47.3	78.8	50-150	WG608101
o-Terphenyl				72.47	50-150	WG608101
Total Solids	%	50	50.0	100.	85-115	WG608080
Benzene	mg/kg	.05	0.0463	92.6	76-113	WG608110
Ethylbenzene	mg/kg	.05	0.0539	108.	78-115	WG608110
Toluene	mg/kg	.05	0.0508	102.	76-114	WG608110
Total Xylene	mg/kg	.15	0.169	113.	81-118	WG608110
a,a,a-Trifluorotoluene(FID)				99.61	59-128	WG608110
a,a,a-Trifluorotoluene(PID)				105.9	54-144	WG608110
TPH (GC/FID) Low Fraction	mg/kg	5.5	6.87	125.	67-135	WG608110
a,a,a-Trifluorotoluene(FID)				105.5	59-128	WG608110
a,a,a-Trifluorotoluene(PID)				118.0	54-144	WG608110
Chloride	mg/kg	200	201.	101.	80-120	WG608467

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	ppm	47.4	47.3	79.0	50-150	0.287	23	WG608101
o-Terphenyl				75.01	50-150			WG608101
Benzene	mg/kg	0.0463	0.0463	93.0	76-113	0.0900	20	WG608110
Ethylbenzene	mg/kg	0.0542	0.0539	108.	78-115	0.570	20	WG608110

* 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 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L590301

August 21, 2012

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Toluene	mg/kg	0.0505	0.0508	101.	76-114	0.630	20	WG608110
Total Xylene	mg/kg	0.169	0.169	113.	81-118	0.120	20	WG608110
a,a,a-Trifluorotoluene(FID)				99.72	59-128			WG608110
a,a,a-Trifluorotoluene(PID)				105.9	54-144			WG608110
TPH (GC/FID) Low Fraction	mg/kg	6.97	6.87	127.	67-135	1.51	20	WG608110
a,a,a-Trifluorotoluene(FID)				105.7	59-128			WG608110
a,a,a-Trifluorotoluene(PID)				116.8	54-144			WG608110
Chloride	mg/kg	202.	201.	101.	80-120	0.496	20	WG608467

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	ppm	49.5	0	60	82.4	50-150	L590282-04	WG608101
o-Terphenyl					76.41	50-150		WG608101
Benzene	mg/kg	0.197	0	.05	78.8	32-137	L590301-01	WG608110
Ethylbenzene	mg/kg	0.227	0	.05	90.9	10-150	L590301-01	WG608110
Toluene	mg/kg	0.221	0	.05	88.3	20-142	L590301-01	WG608110
Total Xylene	mg/kg	0.720	0	.15	95.9	16-141	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)					99.08	59-128		WG608110
a,a,a-Trifluorotoluene(PID)					105.4	54-144		WG608110
TPH (GC/FID) Low Fraction	mg/kg	25.3	0	5.5	92.1	55-109	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)					103.2	59-128		WG608110
a,a,a-Trifluorotoluene(PID)					113.3	54-144		WG608110
Chloride	mg/kg	534.	44.0	500	98.0	80-120	L590593-01	WG608467

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	ppm	56.4	49.5	94.0	50-150	13.1	40	L590282-04	WG608101
o-Terphenyl				73.48	50-150				WG608101
Benzene	mg/kg	0.220	0.197	88.0	32-137	11.0	39	L590301-01	WG608110
Ethylbenzene	mg/kg	0.253	0.227	101.	10-150	10.7	44	L590301-01	WG608110
Toluene	mg/kg	0.239	0.221	95.7	20-142	8.05	42	L590301-01	WG608110
Total Xylene	mg/kg	0.793	0.720	106.	16-141	9.76	46	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)				99.42	59-128				WG608110
a,a,a-Trifluorotoluene(PID)				105.6	54-144				WG608110
TPH (GC/FID) Low Fraction	mg/kg	29.0	25.3	106.	55-109	13.6	20	L590301-01	WG608110
a,a,a-Trifluorotoluene(FID)				103.8	59-128				WG608110
a,a,a-Trifluorotoluene(PID)				115.4	54-144				WG608110
Chloride	mg/kg	550.	534.	101.	80-120	2.95	20	L590593-01	WG608467

Batch number /Run number / Sample number cross reference

WG608101: R2306116: L590301-01
WG608080: R2306439: L590301-01
WG608110: R2307813: L590301-01
WG608467: R2310613: L590301-01

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

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XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L590301

August 21, 2012

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.

D041

Chain of Custody
Page___of___

Company Name/Address	Alternate Billing	Analysis/Container/Preservative
XTO Energy, Inc. **382 County Road 3100** **Aztec, NM 87410**	XTORNM031810S	

Report to: James McDaniel
Logan Hixon
E-mail to: james_mcdaniel@xtoenergy.com
Logan_Hixon@xtoenergy.com

Prepared by:

ENVIRONMENTAL
Science corp
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description: PO Pipkin #4R		City/State Collected: NM
PHONE: 505-333-3701 FAX:	Client Project No.	Lab Project #
Collected by: Logan Hixon	Site/Facility ID#	P.O.#
Collected by(signature): Logan Hixt Packed on Ice N__Y	Rush? (Lab MUST be Notified) _____Next Day.....100% _____Two Day.....50% _____Three Day.....25%	Date Results Needed Email?___No_X__Yes FAX?____No___Yes

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

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	8015	8021	Chlorides	Remarks/contaminant	Sample # (lab only)
Bgt Cellar comp	comp	SS		8/14/12	10:15	4oz	X	X	X		L590301-01

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____ pH_____ Temp_____

Remarks: "ONLY 1 COC Per Site!!" Flow_____ Other_____

Relinquisher by:(Signature) Logan Hixt	Date: 8/15/12	Time: 13:30	Received by:(Signature)	Samples returned via: FedEx_X_ UPS__Other__ 4963 4592 9564	Condition OK	(lab use only)
Relinquisher by:(Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.7°	Bottles Received: 1 4oz	
Relinquisher by:(Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/16/12	Time: 0900	pH Checked: NCF:

envirotech
Analytical Laboratory

Report Summary

Client: XTO

Chain of Custody Number: 14264

Samples Received: 08-15-12

Job Number: 98031-0528

Sample Number(s): 62964

Project Name/Location: Po Pipkin #4R

Entire Report Reviewed By: _____ Date: 8/22/12

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.

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

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Bgt cellar comp	Date Reported:	08-21-12
Laboratory Number:	62964	Date Sampled:	08-14-12
Chain of Custody No:	14264	Date Received:	08-15-12
Sample Matrix:	Soil	Date Extracted:	08-21-12
Preservative:	Cool	Date Analyzed:	08-21-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**504**	**6.6**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Po Pipkin #4R**

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laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-21-12
Laboratory Number:	08-21-TPH.QA/QC 63037	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-21-12
Preservative:	N/A	Date Extracted:	08-21-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	07-11-12	**08-21-12**	**1,660**	**1,720**	**3.6%**	**+/- 10%**

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	**ND**	**6.6**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	**114**	**123**	**8.2%**	**+/- 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	**114**	**2,000**	**1,860**	**88.0%**	**80 - 120%**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **QA/QC for Samples 62964, 63033, 63036-63038.**

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

14264

CHAIN OF CUSTODY RECORD

Client:	Project Name / Location:
XTO Energy	po pipkin #4R
Email results to: Logan_Hixon@xtoenergy.com James_mcdaniel@xtoenergy.com kurt_hoekstra@xtoenergy.com	Sampler Name: Logan Hixon
Client Phone No.: (505) 386-8018	Client No.: 98031-0528

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
Bgt cellar comp	8/14/12	10:15	L029604	1-40z												X					Y	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Logan Hixon	8/14	1:24	Raine Zabor	8/15/12	1:25
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

Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
Below Grade Pit Forms (Temp.)	PO Pipkin 4R	McDowell, Jesse	Unassigned	PO PIPKIN 04R (PA)	3004530353	17	10W	27N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
Eric Schuster	07/23/2008	10:30	No	Yes	Yes	Yes	No	4			
Ken Mills	08/19/2008	12:00	No	Yes	Yes	Yes	No	4			
Ken Mills	09/12/2008	08:40	No	Yes	Yes	Yes	No	4			
Ken Mills	10/21/2008	11:10	No	Yes	Yes	Yes	No	4			
Eric Schuster	11/21/2008	11:00	No	Yes	Yes	Yes	No	4	Well Water Pi	Below Ground	
Eric Schuster	12/14/2008	09:00	No	Yes	Yes	Yes	No	4	Well Water Pi	Below Ground	
KenMills	03/25/2009	11:15	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	04/30/2009	11:00	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	05/19/2009	100:00	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	06/17/2009	11:25	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	07/22/2009	11:35	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	08/12/2009	09:45	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	09/04/2009	01:40	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	10/07/2009	08:55	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	11/19/2009	08:50	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	12/29/2009	09:45	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	01/05/2010	09:25	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	02/09/2010	09:10	No	Yes	Yes	Yes	No	4	Well Water Pi	Below Ground	
KenMills	03/08/2010	10:30	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	04/02/2010	12:00	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	05/05/2010	11:30	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	06/07/2010	09:30	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	07/06/2010	10:40	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	08/16/2010	10:00	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	09/14/2010	09:20	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	10/12/2010	09:50	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	11/22/2010	11:30	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	12/28/2010	10:30	No	Yes	Yes	Yes	No	3	Well Water Pi	Below Ground	
KenMills	01/28/2011	02:10	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	02/21/2011	10:25	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	03/30/2011	11:55	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	04/28/2011	11:25	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	06/23/2011	10:25	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	07/20/2011	11:50	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	08/15/2011	10:30	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	09/20/2011	09:00	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	10/19/2011	10:55	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	
KenMills	11/10/2011	02:10	No	Yes	Yes	Yes	No	5	Well Water Pi	Below Ground	

KenMills	12/22/2011	11:05	No	Yes	Yes	Yes	No	5	Well Water Pi Below Ground
KenMills	01/12/2012	11:30	No	Yes	Yes	Yes	No	5	Well Water Pi Below Ground
KenMills	02/13/2012	11:10	No	Yes	Yes	Yes	No	5	Well Water Pi Below Ground
KenMills	03/21/2012	10:40	No	Yes	Yes	Yes	No	5	Well Water Pi Below Ground
KenMills	04/11/2012	12:20	No	Yes	Yes	Yes	No	5	Well Water Pi Below Ground
KenMills	05/08/2012	12:20	No	Yes	Yes	Yes	No	5	Well Water Pi Below Ground

XTO Energy, Inc.
PO Pipkin #4R
Section 17, Township 27N, Range 10W
Closure Date 10/24/2012

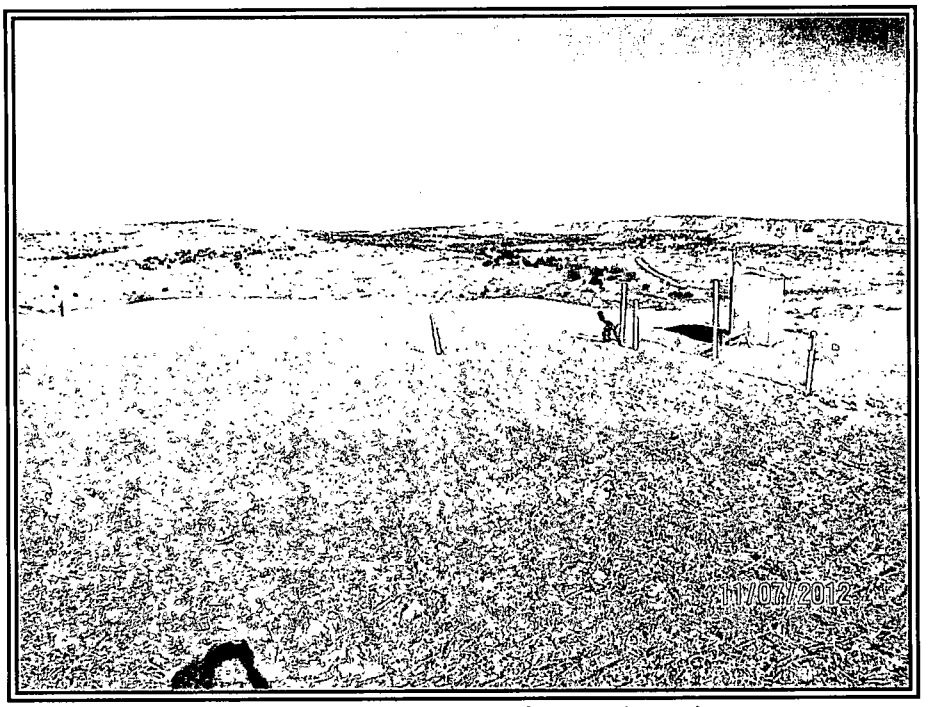

Photo 1: PO Pipkin #4R after Reclamation.

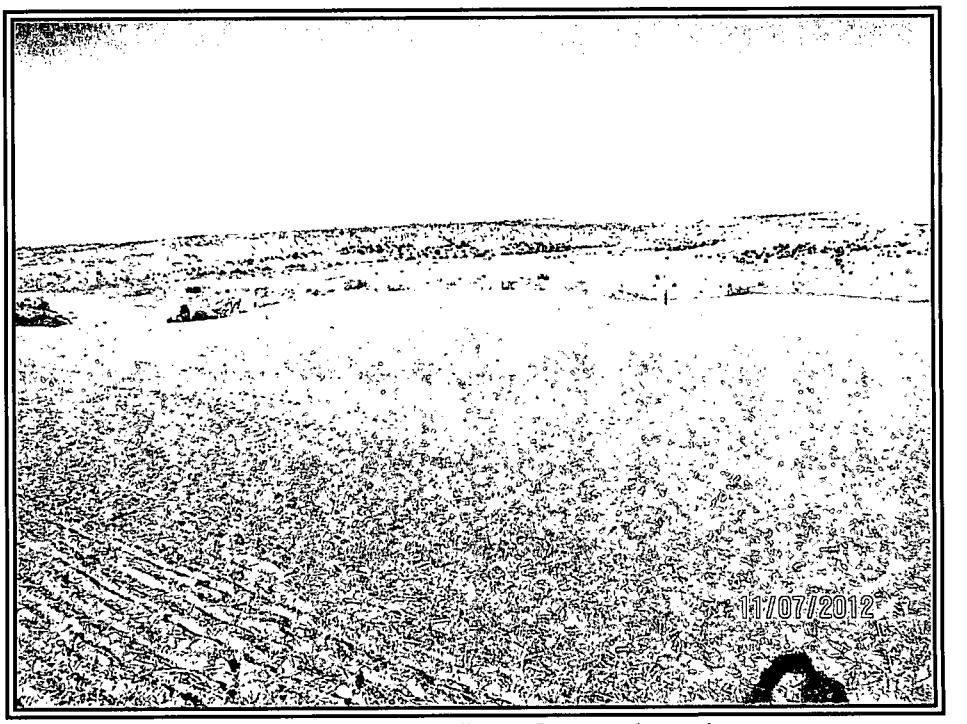

Photo 2: PO Pipkin #4R after Reclamation.

XTO Energy, Inc.
PO Pipkin #4R
Section 17, Township 27N, Range 10W
Closure Date 10/24/2012

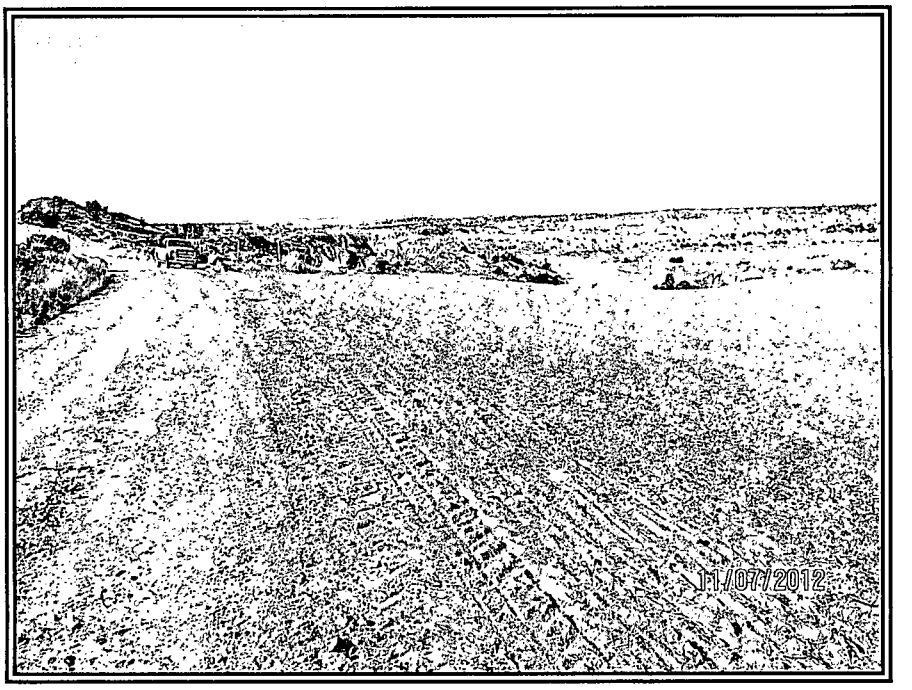

Photo 3: PO Pipkin #4R after Reclamation.

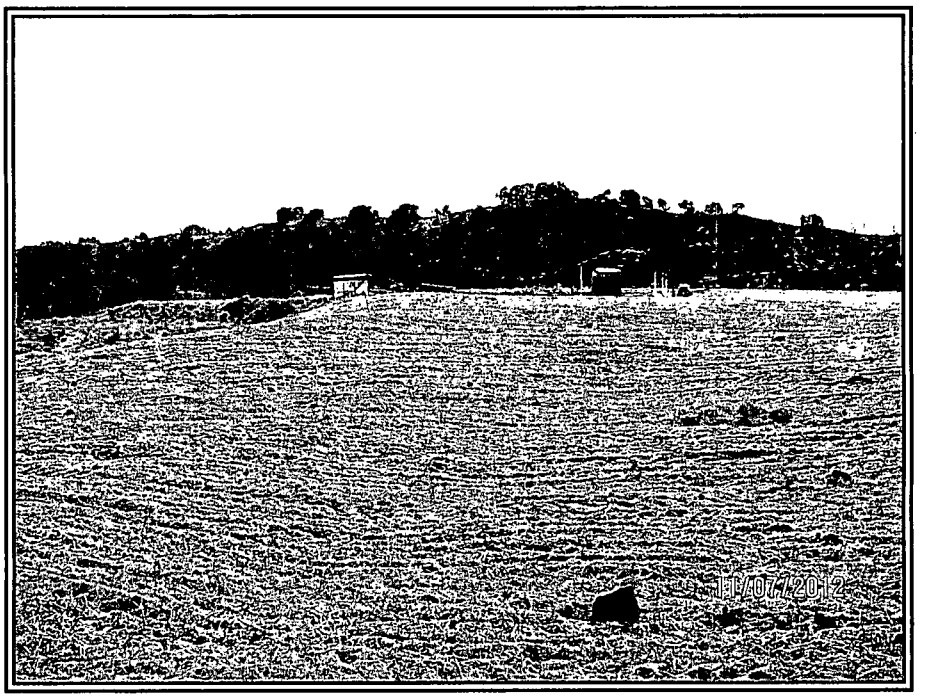

Photo 4: PO Pipkin #4R after Reclamation.