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.

10498

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: Jicarilla Apache #18

RCVD MAR 7 '13
OIL CONS. DIV.
DIST. 3

API Number: 30-039-21256 OCD Permit Number:

U/L or Qtr/Qtr I Section 28 Township 26N Range 5W County: Rio Arriba

Center of Proposed Design: Latitude N 36.45066 Longitude W -107.35872 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

RCVD OCT 9 '12
OIL CONS. DIV.
DIST. 3

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 '

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 Approval Date: 10/15/2012 3/07/2013

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:** 2-8-13

22.
Closure Method:

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

☐ If different from approved plan, please explain.

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

Instructions: Please 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: 1-5-2013

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

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

Lease Name: Jicarilla Apache #18
API No.: 30-039-21256
Description: Unit I, Section 28, Township 26N, Range 5W, Rio Arriba 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 February 8, 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 February 8, 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 Jicarilla Apache #18 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. 0030mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**< 0. 0450mg/kg**
TPH	EPA SW-846 418.1	100	**20.8 mg/kg**
Chlorides	EPA 300.1	250 or background	**280 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 280 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 January 31, 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 January 31, 2013 via email. Email has been approved as a means of surface owner notification by Brandon Powell, NMOCD Aztec Office.

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
The location will be recontoured to match the above specifications.

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 will be 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 will be reclaimed pursuant to the landowner specifications.

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 landowner specifications.**
    viii. Photo documentation of the site reclamation. **attached**

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: Jicarilla Apache #18 (API 30-039-21256)	Facility Type: Gas Well (Pictured Cliffs)

Surface Owner: Tribal Trust or Indian Allotment	Mineral Owner:	Lease No.: Jic-154

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	28	26 N	5 W	1450	FSL	790	FEL	Rio Arriba

Latitude: N36.45066 **Longitude:** W-107.35872

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: 10-26-2012
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 Jicarilla Apache #18 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 TPH, Benzene and Total BTEX, but above the 'pit rule' standards for Chlorides, confirming that a release had occurred at this location.

Describe Area Affected and Cleanup Action Taken.*
Based on chloride results of 280 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	
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: 3-5-2013 Phone: 505-333-3683		

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Report Summary

Friday October 26, 2012

Report Number: L601964
Samples Received: 10/19/12
Client Project:

Description: Jicarilla Apache 18

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.

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

October 26,2012

ESC Sample # : L601964-01

Site ID :

Project # :

Date Received : October 19, 2012
Description : Jicarilla Apache 18

Sample ID : BGT CELLAR COMP

Collected By : Logan Hixon
Collection Date : 10/17/12 12:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	280	12.	mg/kg	9056	10/25/12	1
Total Solids	83.4	0.100	%	2540G	10/25/12	1
Benzene	BDL	0.0030	mg/kg	8021/8015	10/21/12	5
Toluene	BDL	0.030	mg/kg	8021/8015	10/21/12	5
Ethylbenzene	BDL	0.0030	mg/kg	8021/8015	10/21/12	5
Total Xylene	BDL	0.0090	mg/kg	8021/8015	10/21/12	5
TPH (GC/FID) Low Fraction	BDL	0.60	mg/kg	GRO	10/21/12	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.0		% Rec.	8021/8015	10/21/12	5
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	10/21/12	5
TPH (GC/FID) High Fraction	BDL	4.8	mg/kg	3546/DRO	10/23/12	1
Surrogate recovery(%)						
o-Terphenyl	62.9		% Rec.	3546/DRO	10/23/12	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: 10/26/12 16:22 Printed: 10/26/12 16:22

Summary of Remarks For Samples Printed
10/26/12 at 16:23:00

TSR Signing Reports: 288
R5 - Desired TAT

Sample: L601964-01 Account: XTORNM Received: 10/19/12 09:00 Due Date: 10/26/12 00:00 RPT Date: 10/26/12 16:22

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Aztec, NM 87410

Quality Assurance Report
Level II

L601964

October 26, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg			WG618946	10/21/12 01:59
Ethylbenzene	< .0005	mg/kg			WG618946	10/21/12 01:59
Toluene	< .005	mg/kg			WG618946	10/21/12 01:59
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG618946	10/21/12 01:59
Total Xylene	< .0015	mg/kg			WG618946	10/21/12 01:59
a,a,a-Trifluorotoluene(FID)		% Rec.	100.2	59-128	WG618946	10/21/12 01:59
a,a,a-Trifluorotoluene(PID)		% Rec.	102.1	54-144	WG618946	10/21/12 01:59
TPH (GC/FID) High Fraction	< 4	mg/kg			WG619343	10/23/12 19:47
o-Terphenyl		% Rec.	76.80	50-150	WG619343	10/23/12 19:47
Total Solids	< .1	%			WG619257	10/25/12 09:08
Chloride	< 10	mg/kg			WG618951	10/24/12 16:19

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	74.0	74.0	0.125	5	L601968-04	WG619257
Chloride	mg/kg	130.	135.	3.77	20	L601970-01	WG618951

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0523	105.	76-113	WG618946
Ethylbenzene	mg/kg	.05	0.0554	111.	78-115	WG618946
Toluene	mg/kg	.05	0.0543	109.	76-114	WG618946
Total Xylene	mg/kg	.15	0.165	110.	81-118	WG618946
a,a,a-Trifluorotoluene(PID)				102.6	54-144	WG618946
TPH (GC/FID) High Fraction	mg/kg	60	50.4	84.0	50-150	WG619343
o-Terphenyl				71.75	50-150	WG619343
Total Solids	%	50	50.0	100.	85-115	WG619257
Chloride	mg/kg	200	206.	103.	80-120	WG618951

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0519	0.0523	104.	76-113	0.810	20	WG618946
Ethylbenzene	mg/kg	0.0550	0.0554	110.	78-115	0.620	20	WG618946
Toluene	mg/kg	0.0541	0.0543	108.	76-114	0.450	20	WG618946
Total Xylene	mg/kg	0.164	0.165	109.	81-118	0.450	20	WG618946
a,a,a-Trifluorotoluene(PID)				103.0	54-144			WG618946
TPH (GC/FID) Low Fraction	mg/kg	6.15	6.27	112.	67-135	1.90	20	WG618946
a,a,a-Trifluorotoluene(FID)				104.7	59-128			WG618946
TPH (GC/FID) High Fraction	mg/kg	50.6	50.4	84.0	50-150	0.499	20	WG619343
o-Terphenyl				71.11	50-150			WG619343

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

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Aztec, NM 87410

Quality Assurance Report
Level II

L601964

October 26, 2012

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/kg	205.	206.	102.	80-120	0.487	20	WG618951

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.246	0	.05	98.3	32-137	L601901-03	WG618946
Ethylbenzene	mg/kg	0.239	0	.05	95.7	10-150	L601901-03	WG618946
Toluene	mg/kg	0.249	0	.05	99.7	20-142	L601901-03	WG618946
Total Xylene	mg/kg	0.726	0	.15	96.8	16-141	L601901-03	WG618946
a,a,a-Trifluorotoluene(PID)					102.8	54-144		WG618946
TPH (GC/FID) Low Fraction	mg/kg	25.8	0	5.5	93.9	55-109	L601901-03	WG618946
a,a,a-Trifluorotoluene(FID)					101.2	59-128		WG618946

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.246	0.246	98.6	32-137	0.260	39	L601901-03	WG618946
Ethylbenzene	mg/kg	0.243	0.239	97.1	10-150	1.41	44	L601901-03	WG618946
Toluene	mg/kg	0.247	0.249	98.8	20-142	0.910	42	L601901-03	WG618946
Total Xylene	mg/kg	0.741	0.726	98.7	16-141	2.02	46	L601901-03	WG618946
a,a,a-Trifluorotoluene(PID)				101.5	54-144				WG618946
TPH (GC/FID) Low Fraction	mg/kg	22.9	25.8	83.4	55-109	11.9	20	L601901-03	WG618946
a,a,a-Trifluorotoluene(FID)				100.7	59-128				WG618946

Batch number /Run number / Sample number cross reference

WG618946: R2402399: L601964-01
WG619343: R2404897: L601964-01
WG619257: R2407157: L601964-01
WG618951: R2409937: L601964-01

* * 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.'

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Aztec, NM 87410

Quality Assurance Report
Level II

L601964

October 26, 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.

Company Name/Address:

XTO Energy - San Juan Division

382 County Road 3100
Aztec,NM 87410

Billing Information:

XTO Energy Inc
Accounts Payable
382 CR 3100

Aztec,NM 87410

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

ESC LAB SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

G164

Report to: Logan Hixon

Email to: Logan_Hixon@XTOenergy

Project Description: Jicarilla Apache #18

City/State Collected: NM

Phone: (505) 333-3100

FAX:

Client Project #:

ESC Key:

Collected by: (print) Logan Hixon

Site/Facility ID#:

P.O.#:

Collected by (signature): Logan H

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	8021	Chlorides			Remarks/Contaminant	Sample # (lab only)
Bgt cellar comp	comp	SS		10/17/12	12:10	1-4oz	X	X	X			L601964	-01

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

pH _____ Temp _____

Remarks: Sonic 0636 7153

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____	Condition: JF (lab use only)
Logan H	10/17/12	16:00			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6	Bottles Received: 1-402
					CoC Seals Intact ___Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/19/12	Time: 0900
					pH Checked: NCF: Yes

envirotech
Analytical Laboratory

Report Summary

Client: XTO

Chain of Custody Number: 14556

Samples Received: 10-17-12

Job Number: 98031-0528

Sample Number(s): 63477

Project Name/Location: Jicarilla Apache #18

Entire Report Reviewed By: _____ Date: 10/22/12

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	Project #:	98031-0528
Sample ID:	BGT Cellar Comp	Date Reported:	10-18-12
Laboratory Number:	63477	Date Sampled:	10-17-12
Chain of Custody No:	14556	Date Received:	10-17-12
Sample Matrix:	Soil	Date Extracted:	10-18-12
Preservative:	Cool	Date Analyzed:	10-18-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**20.8**	**13.0**

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: **Jicarilla Apache #18**

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
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	10-18-12
Laboratory Number:	10-18-TPH.QA/QC 63468	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	10-18-12
Preservative:	N/A	Date Extracted:	10-18-12
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	10-18-12	1,623	1,720	6.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	13.0

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	27.2	29.8	9.6%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	27.2	2,000	1,750	86.3%	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 63468 and 63477-63480**

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

CHAIN OF CUSTODY RECORD

14556

Client:	Project Name / Location:
XTO	Jicarilla Apache #18
Email results to:	Sampler Name:
Logan Hixon	Logan Hixon
Client Phone No.:	Client No.:
(505) 386-8018	98031-0528

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	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	10/17	17:10	63477	1-4oz											X					✓	✓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Logan Hixon	10/17	15:35		10/17/12	1535
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

5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com

Hixon, Logan

From: Hixon, Logan
Sent: Thursday, January 31, 2013 3:05 PM
To: Hsandoval_99@yahoo.com
Cc: McDaniel, James; Hoekstra, Kurt; Trujillo, Marcos
Subject: BGT Closure Notification -Jicarilla Apache #18 & Apache Federal #5

Hobson,

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

Jicarilla Apache #18 (API 30-039-21256) Located in Section 28 (I), Township 26N, Range 5W, Rio Arriba County, New Mexico.

Apache Federal #5 (API 30-039-05497) Located in Section 18 (H), Township 24N, Range 5W, Rio Arriba 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
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

Hixon, Logan

From: Hixon, Logan
Sent: Thursday, January 31, 2013 3:10 PM
To: BRANDON POWELL (brandon.powell@state.nm.us)
Cc: McDaniel, James; Hoekstra, Kurt; Trujillo, Marcos
Subject: BGT Closure Notification- Jicarilla Apache #18 & Apache Federal #5

Brandon,

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

Jicarilla Apache #18 (API 30-039-21256) Located in Section 28 (I), Township 26N, Range 5W, Rio Arriba County, New Mexico.

Apache Federal #5 (API 30-039-05497) Located in Section 18 (H), Township 24N, Range 5W, Rio Arriba 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
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

Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 56	JICARILLA APACHE 01	Noble, Brandon	Waggoner, Jeff	JICARILLA APACHE 18	3003921256	28	5W	26N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
brandon noble	08/27/2008	01:46	No	No	No	No	No	4			
brandon noble	09/10/2008	01:48	No	No	Yes	No	No	4			
BN	10/17/2008	02:14	No	No	Yes	No	No	4	Well Water Pi	Below Ground	
BN	11/23/2008	01:27	No	No	Yes	No	No	5	Well Water Pi	Below Ground	
DC	12/07/2008	11:50	No	No	No	No	No	5	Well Water Pi	Below Ground	
DC	01/28/2009	11:10	No	No	No	No	No	5	Well Water Pi	Below Ground	
DC	03/21/2009	10:25	No	No	No	No	No	1	Well Water Pi	Below Ground	
BN	04/30/2009	02:20	No	No	No	No	No	1	Well Water Pi	Below Ground	
BN	06/30/2009	03:45	No	No	No	No	No	3	Well Water Pi	Below Ground	
BN	07/30/2009	02:15	No	No	No	No	No	3	Well Water Pi	Below Ground	
BN	08/31/2009	01:35	No	No	No	No	No	3	Well Water Pi	Below Ground	
BN	09/30/2009	03:10	No	No	No	No	No	3	Well Water Pi	Below Ground	
BN	10/31/2009	12:15	No	No	No	No	No	3	Well Water Pi	Below Ground	
DC	11/30/2009	10:20	No	No	No	No	No	3	Well Water Pi	Below Ground	
DC	03/31/2010	11:55	No	No	No	No	No	4	Well Water Pi	Below Ground	
DC	04/30/2010	09:20	No	No	No	No	No	4	Well Water Pi	Below Ground	
DC	05/28/2010	09:20	No	No	No	No	No	4	Well Water Pi	Below Ground	
DC	06/26/2010	09:10	No	No	No	No	No	4	Well Water Pi	Below Ground	
BN	07/31/2010	01:20	No	No	No	No	No	4	Well Water Pi	Below Ground	
DC	10/28/2010	01:20	No	No	No	No	No	4	Well Water Pi	Below Ground	
BN	10/30/2010	01:20	No	No	No	No	No	4	Well Water Pi	Below Ground	
BN	11/29/2010	01:20	No	No	No	No	No	4	Well Water Pi	Below Ground	
BN	12/28/2010	01:20	No	No	No	No	No	3	Well Water Pi	Below Ground	
BN	01/31/2011	02:35	No	No	No	No	No	3	Well Water Pi	Below Ground	
DC	06/28/2011	02:35	No	No	No	No	No	3	Well Water Pi	Below Ground	
BN	07/31/2011	12:00	No	No	No	No	No	3	Well Water Pi	Below Ground	
DC	10/29/2011	12:00	No	No	No	No	No	3	Well Water Pi	Below Ground	
DC	05/30/2012	12:00	No	No	No	No	No	4	Well Water Pi	Below Ground	
BN	06/05/2012	11:44	No	No	No	No	No	5	Well Water Pi	Below Ground	
BN	09/09/2012	09:49	No	No	No	No	No	5	Well Water Pi	Below Ground	

XTO Energy, Inc.
Jicarilla Apache #18
Section 28 (I), Township 26N, Range 5W
Closure Date February 8, 2013

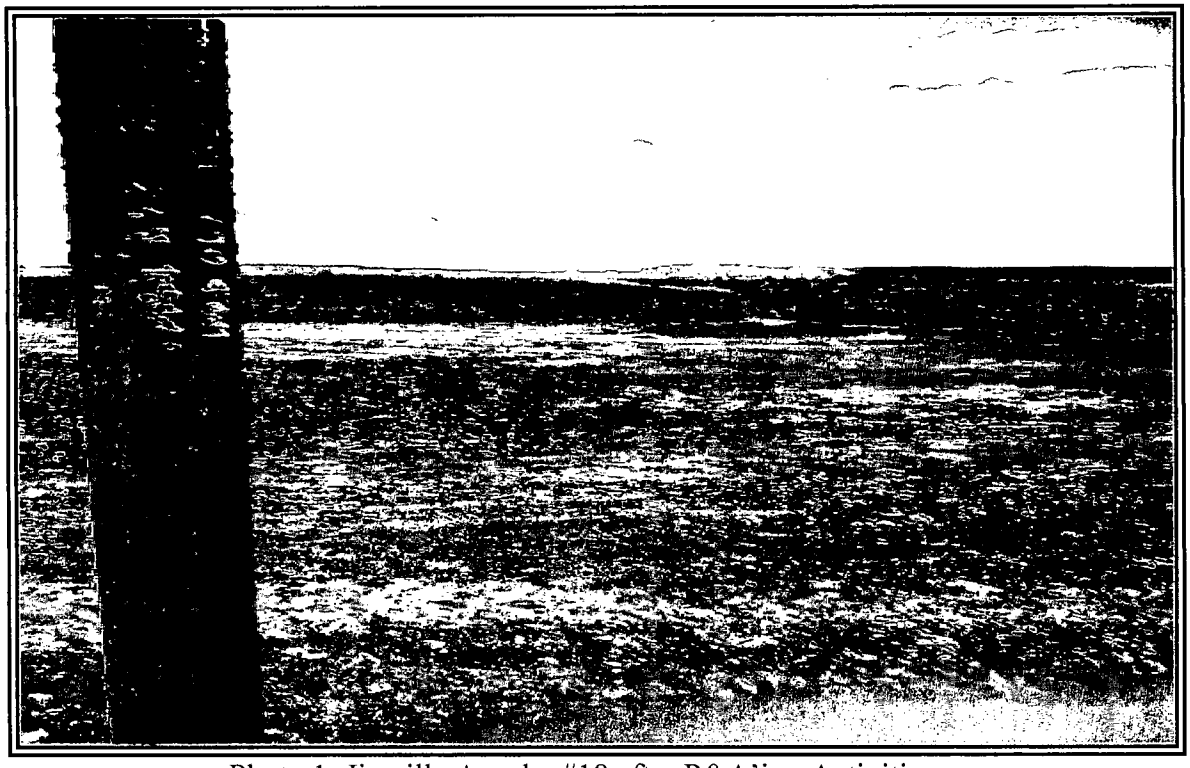

Photo 1: Jicarilla Apache #18 after P&A'ing Activities.

Photo 2: Jicarilla Apache #18 after P&A'ing Activities.

XTO Energy, Inc.
Jicarilla Apache #18
Section 28 (I), Township 26N, Range 5W
Closure Date February 8, 2013

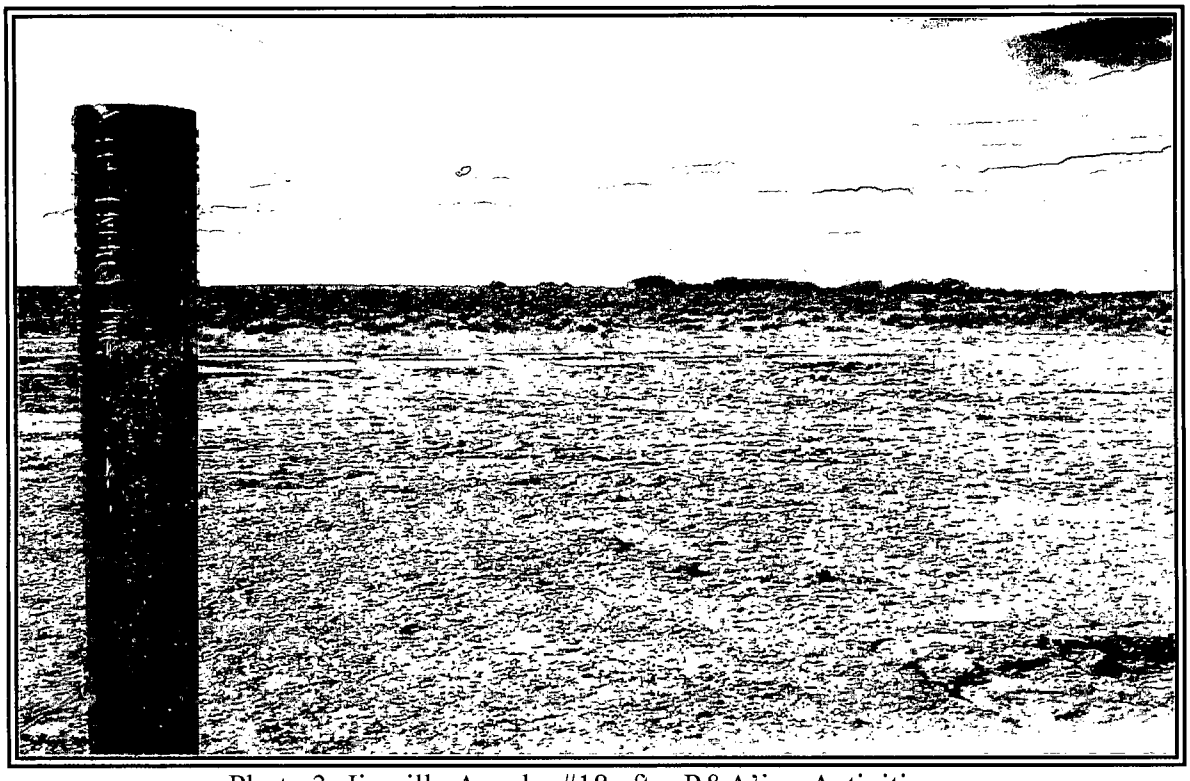

Photo 3: Jicarilla Apache #18 after P&A'ing Activities.

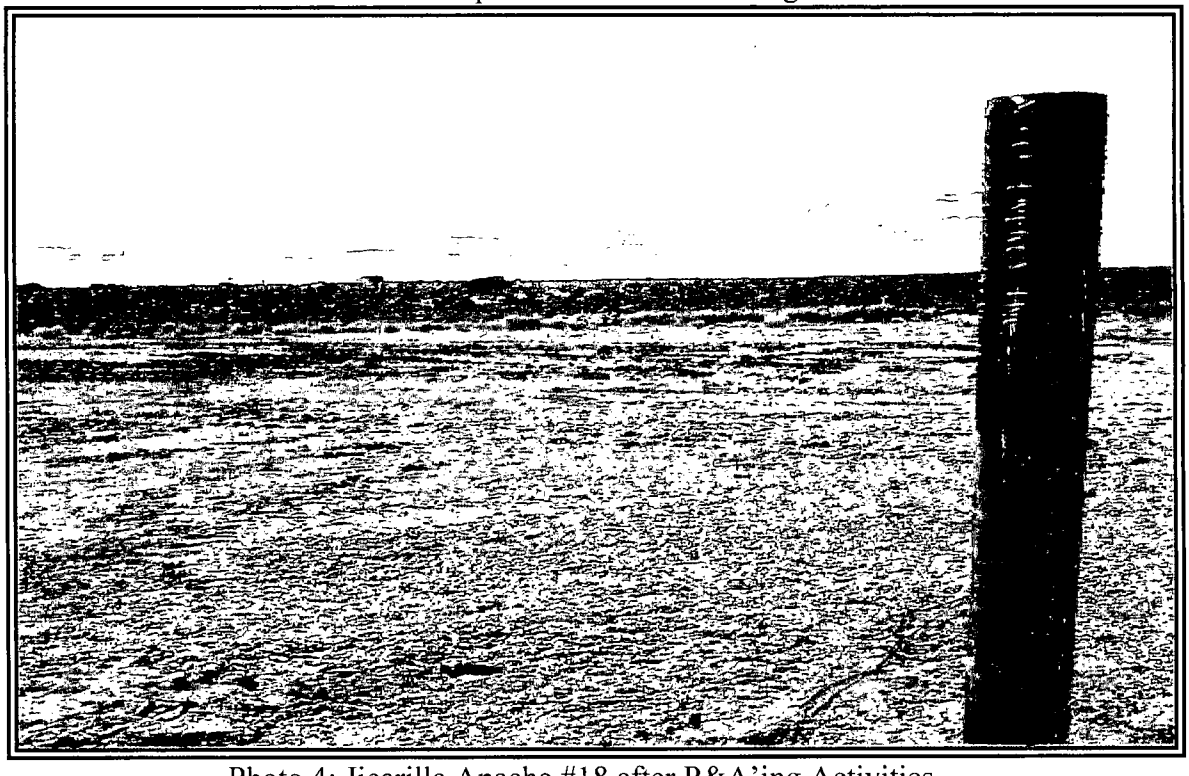

Photo 4: Jicarilla Apache #18 after P&A'ing Activities.