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

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

10057

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

RCVD MAY 16 '12

Facility or well name Aztec # 2 E

API Number 30-045-24090 OCD Permit Number

OIL CONS. DIV.

U/L or Qtr/Qtr G Section 35 Township 30N Range 14W County San Juan

Center of Proposed Design Latitude 36 77350 Longitude -108 27441 NAD ☐ 1927 ☒ 1983

DIST. 3

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

2

☐ **Pit:** Subsection F or G of 19 15 17 11 NMAC

RCVD JUL 23 '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) Kurt Hocksta Title Sr Environmental Technician

Signature Kurt Hocksta Date 5-16-2012

E-mail address Kurt_Hocksatra@xtoenergy com Telephone 505-333-3202

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

OCD Representative Signature: Jonathan D. Kelly Jonathan D. Kelly 7/25/2012 **Approval Date:** 5/16/2012

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:** 5-21-12

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) Kurt Hoekstra Title Sr. Environmental Technician

Signature Kurt Hoekstra Date 7-5-2012

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

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

Lease Name: Aztec # 2 E
API No.: 30-045-24090
Description: Unit G, Section 35, Township 30N, Range 14W, San Juan County

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

General Plan

1 XTO will 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.

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.

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.

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

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.

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

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.

Components	Test Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0 2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418 1	100
Chlorides	EPA 300 1	250 or background

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.

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.

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

    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.

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.

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

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.

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,
    - ii Details on capping and covering, where applicable;
    - iii. Inspection reports;
    - iv Confirmation sampling analytical results;
    - v. Disposal facility name(s) and permit number(s);
    - vi. Soil backfilling and cover installation;
    - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable);
    - viii. Photo documentation of the site reclamation.

District I
1625 N French Dr , Hobbs, NM 88240
District II
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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· Kurt Hoekstra
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3202
Facility Name: Aztec # 2 E (30-045-24090)	Facility Type: Gas Well (Dakota)

Surface Owner: Federal	Mineral Owner.	Lease No.. NM-020699

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	35	30N	14W	1600	FNL	1600	FEL	San Juan

Latitude: 36.77350 **Longitude:** -108 27441

NATURE OF RELEASE

Type of Release Produced Water/Incidental Oil	Volume of Release unknown	Volume Recovered None
Source of Release Below Grade Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery May 17,2012
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 Aztec # 2 E well site due to plugging and abandoning this location 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, total BTEX and chlorides, but above the 100 ppm TPH standard at 140 ppm via USEPA Method 418 1, confirming that a release has occurred at this location

Describe Area Affected and Cleanup Action Taken *
Based on TPH Results of 140 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 Kurt Hoekstra	OIL CONSERVATION DIVISION Approved by District Supervisor	
Printed Name Kurt Hoekstra		
Title Sr. Environmental Technician	Approval Date.	Expiration Date:
E-mail Address. Kurt_Hoekstra@xtoenergy com	Conditions of Approval	Attached ☐
Date 7-5-2012 Phone 505-333-3202		

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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. Kurt Hoekstra
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3202
Facility Name: Aztec # 2 E (30-045-24090)	Facility Type: Gas Well (Dakota)

Surface Owner. Federal	Mineral Owner	Lease No.: NM-020699

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	35	30N	14W	1600	FNL	1600	FEL	San Juan

Latitude: 36.77350 **Longitude:** -108.27441

NATURE OF RELEASE

Type of Release. Produced Water/Incidental Oil	Volume of Release unknown	Volume Recovered: None
Source of Release Below Grade Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery May 17,2012
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 Aztec # 2 E well site due to plugging and abandoning this location 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, total BTEX and chlorides, but above the 100 ppm TPH standard at 140 ppm via USEPA Method 418 1, confirming that a release has occurred at this location The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases The site was ranked a 20 due to an estimated depth to groundwater 50 to 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

Describe Area Affected and Cleanup Action Taken *
The below grade tank closure sample was analyzed for DRO/GRO via USEPA Method 8015, returning results of 18 0 mg/kg and > 0 52 mg/kg respectively This is below the 100 ppm closure standard determined for this site. No further action is required regarding this incident

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. Kurt Hoekstra	OIL CONSERVATION DIVISION Approved by District Supervisor	
Printed Name. Kurt Hoekstra		
Title Sr Environmental Technician	Approval Date.	Expiration Date.
E-mail Address Kurt_Hoekstra@xtoenergy com	Conditions of Approval	Attached ☐
Date: 7-5-2012 Phone 505-333-3202		

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

Lease Name: Aztec # 2 E
API No.: 30-045-24090
Description: Unit G, Section 35, Township 30N, Range 14W, San Juan County

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

General Plan

1. XTO will 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 May 21, 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 May 21, 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 Aztec # 2 E

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

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

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	**< 0.0026 mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**< 0.039 mg/kg**
TPH	EPA SW-846 418 1	100	**140 mg/kg**
Chlorides	EPA 300.1	250 or background	**58 mg/kg**
TPH (spill rule)	EPA Method 8015 Modified	100	**18 mg/kg**

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
Due to TPH results of 140 PPM, beneath our BGT, 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 May 16, 2012; see attached email printout.

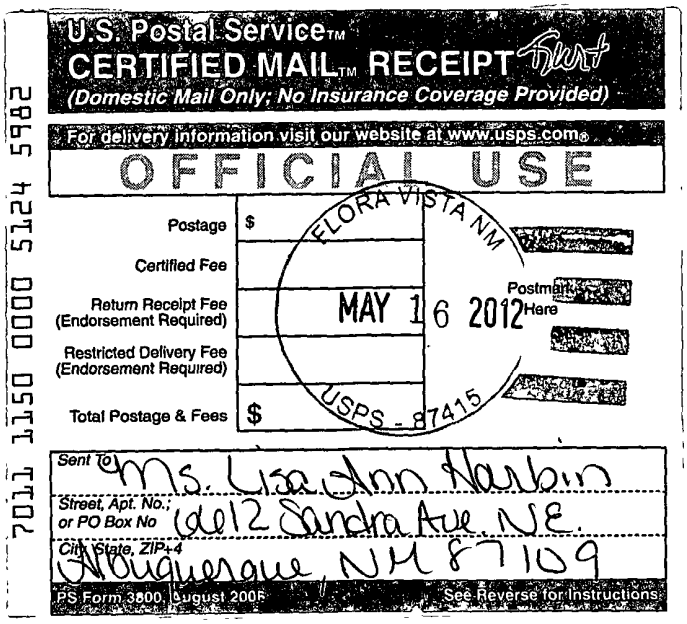
The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.
The surface owner was notified on May 17, 2012; see attached letter and return receipt.

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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Total Postage & Fees	$

FLORA VISTA NM
MAY 16 2012
USPS - 87415
Postmark Here

Sent To: Ms. Lisa Ann Harbin
Street, Apt. No.; or PO Box No: 6612 Sandra Ave. NE.
City, State, ZIP+4: Nbuquerque, NM 87109

PS Form 3800, August 2006 — See Reverse for Instructions

7011 1150 0000 5124 5982

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1 Article Addressed to:

Ms. Lisa Ann Harbin
6612 Sandra Ave NE
Nbuquerque, NM
87109

COMPLETE THIS SECTION ON DELIVERY

A Signature
X Lisa Harbin ☐ Agent ☐ Addressee

B Received by (Printed Name): Lisa Harbin
C. Date of Delivery: 5/17/12

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below ☐ No

3 Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label): 7011 1150 0000 5124 5982

PS Form 3811, February 2004 — Domestic Return Receipt — 102595-02-M-1540

XTO ENERGY

COPY

DELIVERY CONFIRMATION
Article # 0310 2010 0001 8194 9537

May 14, 2012

Ms. Lisa Ann Harbin
6612 Sandra Ave. NE
Albuquerque, NM 87109

Re: Plug and Abandon Well
XTO Aztec #2E
Township 30 North, Range 14 West, NMPM
Section 35: NE
San Juan County, New Mexico

Dear Ms. Harbin;

Please be advised that XTO is currently plugging and abandoning the Aztec 2E well, located on your fee surface.

XTO's plan, once the well is plugged, is to recontour the surface of the well site, rip and recontour the access road, and reseed the well site and road with the appropriate BLM seed mixture for the area.

Please call me if you have any questions. I can be reached at (505)-333-3172. I am enclosing my business card.

Sincerely,

Paul Lehrman
Sr. Land Surface Coordinator

Cc. Scott Baxstrom/XTO

INFORMATIONAL CONTACTS.
Main Office: 333-3100
Marsha Yokie. 333-3201

May 16, 2012

Ms. Lisa Ann Harbin,
6612 Sandra Ave. NE
Albuquerque, New Mexico, 87109

Re: Aztec # 2 E API # 30-045-24090
Unit G, Section 35, Township 30N, Range 14W, San Juan County, New Mexico

Dear Ms. Harbin;

This submittal is pursuant to Rule 19.15.17 13 requiring operators to notify surface owners of the closure of a below grade tank pit XTO Energy, Inc (XTO) is hereby providing written documentation of our proposal to close the below grade tank pit associated with the above mentioned well site by excavation and removal.

Should you have questions or require additional information, please feel free to contact me at your convenience at (505) 333-3100. Thank you for your time in regards to this matter.

Respectfully Submitted,

Kurt Hoekstra
Sr Environmental Technician
XTO Energy, Inc.
Western Division

Kurt Hoekstra/FAR/CTOC
05/16/2012 02.38 PM

To Brandon Powell
cc
bcc
Subject BGT Closure Aztec # 2 E

Brandon,
Please accept this email as the required notification for BGT closure activities at the Aztec # 2 E well site (API #30-045-24090) located in Unit G, Section 35, Township 30N, Range 14W, San Juan County, New Mexico. This BGT is being closed due to the plugging and abandoning of this well location.
Thank you for your time in regards to this matter.

Kurt Hoekstra
Sr Environmental Technician
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt_Hoekstra@xtoenergy.com

envirotech
Analytical Laboratory

Report Summary

Client: XTO Energy

Chain of Custody Number: 13935

Samples Received: 05-11-12

Job Number: 98031-0528

Sample Number(s): 62038

Project Name/Location: Aztec #2E

Entire Report Reviewed By: _____ Date: 5/17/12

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 Sample	Date Reported:	05-16-12
Laboratory Number:	62038	Date Sampled:	05-11-12
Chain of Custody No:	13935	Date Received:	05-11-12
Sample Matrix:	Soil	Date Extracted:	05-14-12
Preservative:	Cool	Date Analyzed:	05-14-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**140**	**7.4**

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: **Aztec #2E**

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:	05-16-12
Laboratory Number:	05-14-TPH QA/QC 62038	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	05-14-12
Preservative:	N/A	Date Extracted:	05-14-12
Condition.	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	04-25-12	05-14-12	1,850	1,720	7.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	7.4

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	140	133	5.3%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	140	2,000	2,000	93.4%	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 62038, 62045.**

CHAIN OF CUSTODY RECORD

13935

Client.	Project Name / Location.
XTO ENERGY	AZTEC # 2E
Email results to JAMES McDANIEL & KURT HOEKSTRA	Sampler Name: KURT
Client Phone No.: 486-9543	Client No.: 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 Sample	5/11	12:40	~~Composite~~ 162038	(1) 4oz Jar											X					Y	Y

ANALYSIS / PARAMETERS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kurt Hoekstra	5/11	1:25		5/11/12	1:25pm
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

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/Preservatv

C244

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

Report to: JAMES M^C DANIEL

Email to: KURT HOEKSTRA

Project Description: AZTEC # 2E

City/State Collected:

Phone: (505) 333-3100
FAX:

Client Project #:

ESC Key:

Collected by (print): KURT

Site/Facility ID#:

P O #:

Collected by (signature): Kurt Hoekstra

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	SS	0-6"	5-11	12:40	1					457503-01

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

pH _____ Temp _____

Remarks

8719603106Ga

Flow _____ Other _____

Relinquished by (Signature)	Date	Time	Received by (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐	Condition: (lab use only)
Kurt Hoekstra	5/11	2:50			
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp: 4.9 / Bottles Received: 1408	CoC Seals Intact: ___Y___N___NA
Relinquished by (Signature)	Date	Time	Received for lab by: (Signature)	Date: 5-12-12 / Time: 0950	pH Checked / NCF: Y/N

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

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

Report Summary

Friday May 18, 2012

Report Number: L575033
Samples Received: 05/12/12
Client Project:

Description:

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

ESC LAB SCIENCES
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

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

May 18,2012

ESC Sample # : L575033-01

Date Received : May 12, 2012
Description :

Site ID :

Sample ID : BGT CELLAR 0-6IN

Project # :

Collected By : Kurt Hoekstra
Collection Date : 05/11/12 12:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	58.	10.	mg/kg	9056	05/17/12	1
Total Solids	95.9	0.100	%	2540G	05/17/12	1
Benzene	BDL	0.0026	mg/kg	8021/8015	05/16/12	5
Toluene	BDL	0.026	mg/kg	8021/8015	05/16/12	5
Ethylbenzene	BDL	0.0026	mg/kg	8021/8015	05/16/12	5
Total Xylene	BDL	0.0078	mg/kg	8021/8015	05/16/12	5
TPH (GC/FID) Low Fraction	BDL	0.52	mg/kg	GRO	05/16/12	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	91.1		% Rec.	8021/8015	05/16/12	5
a,a,a-Trifluorotoluene(PID)	98.6		% Rec.	8021/8015	05/16/12	5
TPH (GC/FID) High Fraction	18.	4.2	mg/kg	3546/DRO	05/16/12	1
Surrogate recovery(%)						
o-Terphenyl	70.9		% Rec.	3546/DRO	05/16/12	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: 05/18/12 10:46 Printed: 05/18/12 10:46

Summary of Remarks For Samples Printed
05/18/12 at 10:46:25

TSR Signing Reports: 288
R5 - Desired TAT

Sample: L575033-01 Account: XTORNM Received: 05/12/12 09:00 Due Date: 05/18/12 00:00 RPT Date: 05/18/12 10:46

ESC LAB SCIENCES
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
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L575033

May 18, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg			WG592873	05/15/12 22:33
Ethylbenzene	< .0005	mg/kg			WG592873	05/15/12 22.33
Toluene	< 005	mg/kg			WG592873	05/15/12 22:33
TPH (GC/FID) Low Fraction	< 1	mg/kg			WG592873	05/15/12 22 33
Total Xylene	< 0015	mg/kg			WG592873	05/15/12 22 33
a,a,a-Trifluorotoluene(FID)		% Rec	91 70	59-128	WG592873	05/15/12 22:33
a,a,a-Trifluorotoluene(PID)		% Rec	99 05	54-144	WG592873	05/15/12 22·33
Total Solids	< 1	%			WG593050	05/17/12 11 15
TPH (GC/FID) High Fraction	< 4	ppm			WG592753	05/16/12 17 18
o-Terphenyl		% Rec.	79.39	50-150	WG592753	05/16/12 17·18
Chloride	< 1	mg/kg			WG593199	05/17/12 16 19

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	90 0	88.2	1 97	5	L575002-04	WG593050
Chloride	mg/kg	620	600.	2 63	20	L575026-04	WG593199

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0 0437	87 4	76-113	WG592873
Ethylbenzene	mg/kg	05	0 0431	86.2	78-115	WG592873
Toluene	mg/kg	05	0.0433	86.5	76-114	WG592873
Total Xylene	mg/kg	15	0 135	89.9	81-118	WG592873
a,a,a-Trifluorotoluene(FID)				91.84	59-128	WG592873
a,a,a-Trifluorotoluene(PID)				98.52	54-144	WG592873
TPH (GC/FID) Low Fraction	mg/kg	5.5	6.23	113.	67-135	WG592873
a,a,a-Trifluorotoluene(FID)				97.59	59-128	WG592873
a,a,a-Trifluorotoluene(PID)				111 0	54-144	WG592873
Total Solids	%	50	50.0	100	85-115	WG593050
TPH (GC/FID) High Fraction	ppm	60	42.0	70.0	50-150	WG592753
o-Terphenyl				76.80	50-150	WG592753
Chloride	mg/kg	200	213	107.	80-120	WG593199

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0 0434	0.0437	87 0	76-113	0.730	20	WG592873
Ethylbenzene	mg/kg	0 0433	0.0431	86.0	78-115	0.400	20	WG592873
Toluene	mg/kg	0 0427	0 0433	85.0	76-114	1 31	20	WG592873
Total Xylene	mg/kg	0.134	0 135	89.0	81-118	0 730	20	WG592873
a,a,a-Trifluorotoluene(FID)				91 65	59-128			WG592873
a,a,a-Trifluorotoluene(PID)				98.76	54-144			WG592873
TPH (GC/FID) Low Fraction	mg/kg	6 35	6.23	116.	67-135	2.02	20	WG592873

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

ESC LAB SCIENCES
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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
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L575033

May 18, 2012

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
a,a,a-Trifluorotoluene(FID)				97 77	59-128			
a,a,a-Trifluorotoluene(PID)				108 6	54-144			
TPH (GC/FID) High Fraction	ppm	43 5	42.0	72 0	50-150	3 50	23	WG592753
o-Terphenyl				80.43	50-150			WG592753
Chloride	mg/kg	220.	213	110.	80-120	3.23	20	WG593199

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0 209	0	.05	83.6	32-137	L575182-03	WG592873
Ethylbenzene	mg/kg	0 203	0	.05	81.1	10-150	L575182-03	WG592873
Toluene	mg/kg	0 214	0	.05	85.7	20-142	L575182-03	WG592873
Total Xylene	mg/kg	0.634	0	15	84.6	16-141	L575182-03	WG592873
a,a,a-Trifluorotoluene(FID)					91 19	59-128		WG592873
a,a,a-Trifluorotoluene(PID)					97 71	54-144		WG592873
TPH (GC/FID) Low Fraction	mg/kg	25.4	0	5.5	92.4	55-109	L575182-03	WG592873
a,a,a-Trifluorotoluene(FID)					95.73	59-128		WG592873
a,a,a-Trifluorotoluene(PID)					106.8	54-144		WG592873
TPH (GC/FID) High Fraction	ppm	49 6	6.30	60	72.1	50-150	L574973-02	WG592753
o-Terphenyl					74.16	50-150		WG592753
Chloride	mg/kg	585	79 2	500	101	80-120	L575605-01	WG593199

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.214	0 209	85 8	32-137	2.62	39	L575182-03	WG592873
Ethylbenzene	mg/kg	0.200	0.203	80.0	10-150	1.32	44	L575182-03	WG592873
Toluene	mg/kg	0.209	0.214	83 7	20-142	2.38	42	L575182-03	WG592873
Total Xylene	mg/kg	0.623	0.634	83.1	16-141	1 74	46	L575182-03	WG592873
a,a,a-Trifluorotoluene(FID)				90 99	59-128				WG592873
a,a,a-Trifluorotoluene(PID)				97 85	54-144				WG592873
TPH (GC/FID) Low Fraction	mg/kg	26 2	25.4	95.3	55-109	3 11	20	L575182-03	WG592873
a,a,a-Trifluorotoluene(FID)				96.10	59-128				WG592873
a,a,a-Trifluorotoluene(PID)				106.9	54-144				WG592873
TPH (GC/FID) High Fraction	ppm	40.8	49 6	57 5	50-150	19.4	40	L574973-02	WG592753
o-Terphenyl				67 11	50-150				WG592753
Chloride	mg/kg	607	585	106	80-120	3.69	20	L575605-01	WG593199

Batch number /Run number / Sample number cross reference

WG592873. R2171373 L575033-01
WG593050: R2173866 L575033-01
WG592753: R2174114. L575033-01
WG593199: R2175013: L575033-01

* * 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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Quality Assurance Report
Level II

L575033

May 18, 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

XTO Energy On-Site Form

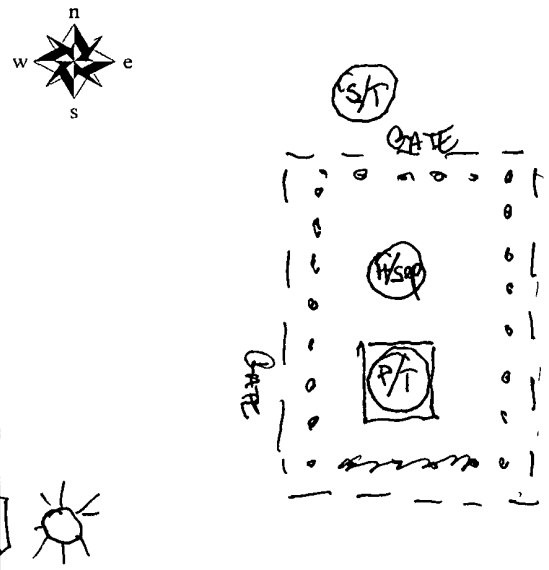
Well Name AZTEC # 2E API # 30-045-24090

Section 35G Township 30N Range 14W County San Juan

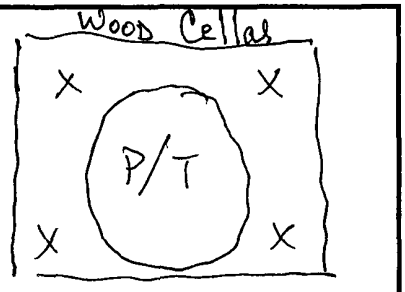
Contractors On-Site A Plus Time On-Site 12:20 Time Off-Site 12:50

Spill Amount _____ bbls Spilled (Oil / Produced Water / Other _____)

Land Use (Grazing / Residential / Tribe _____) Excavation _____ x _____ x _____ deep



Site Diagram



Sample Location

Sample Location

Comments

Number of Photos Taken

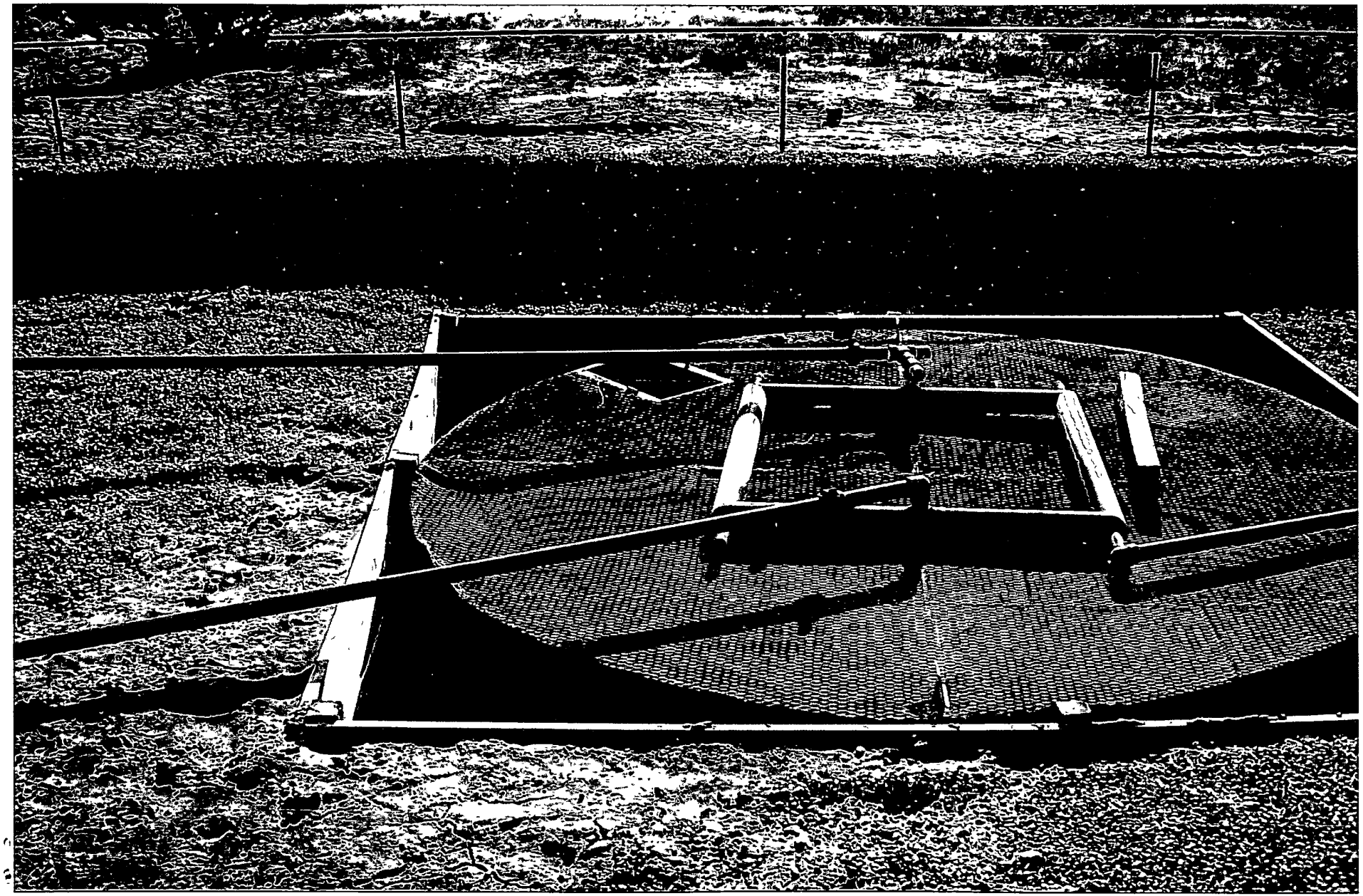
Samples

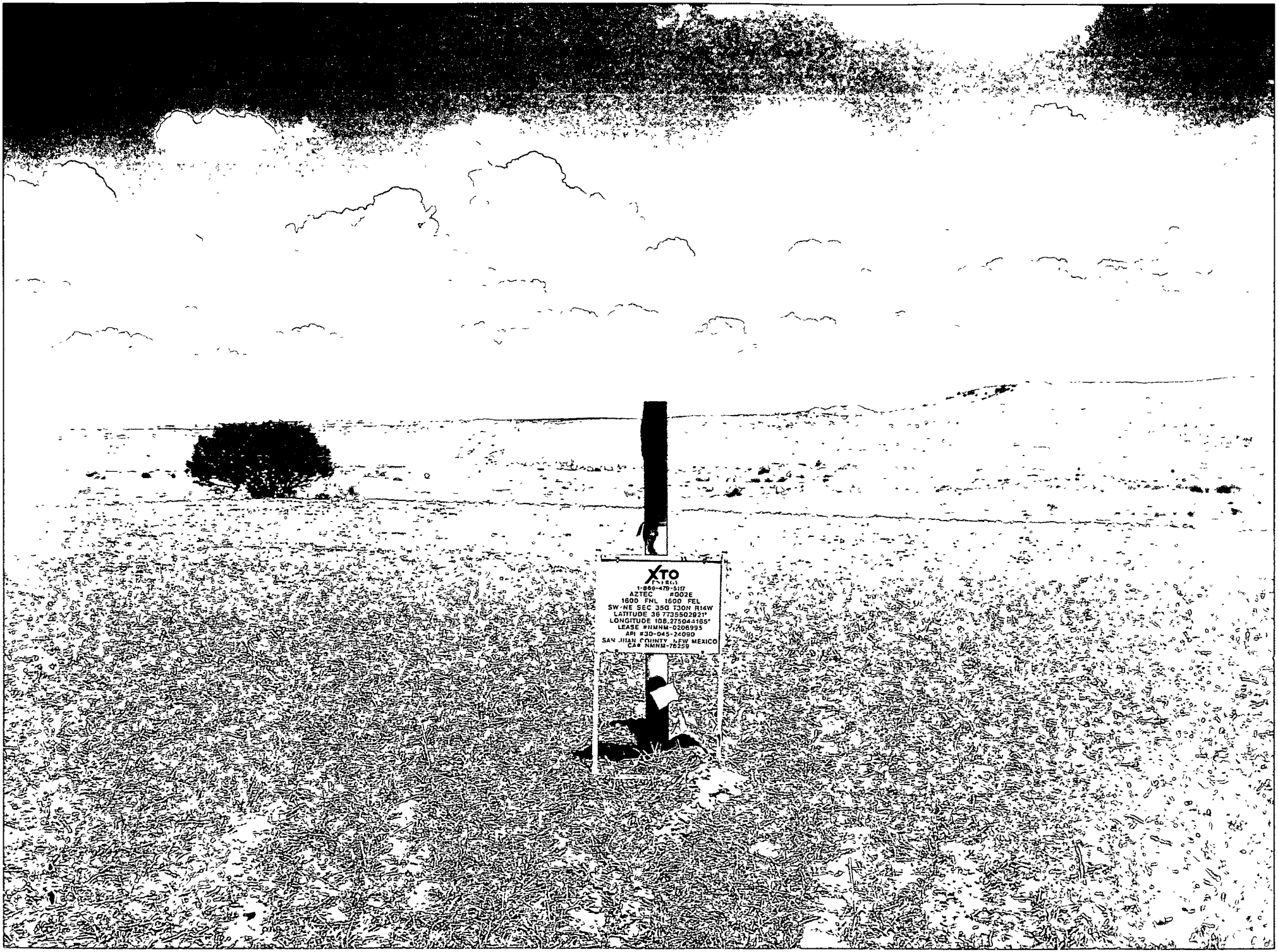
Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
12:40	1	Composite			

Name (Print) Kurt Hoekstra Date 5-11-12

Name (Signature) Kurt Hoekstra Company XTO

Aztec # 2 E




XTO
1-866-478-5117
AZTEC #002E
1600 FNL 1600 FEL
SW-NE SEC 35G T30N R14W
LATITUDE 36.77355029.21"
LONGITUDE 108.27504.4185"
LEASE #NMNM-0206993
API #30-045-24089
SAN JUAN COUNTY, NEW MEXICO
CA# NMNM-78259

Well Below Tank Inspection Report

XTO ENERGY

Denver

Dates -
06/01/2008 - 05/15/2012

Type Route Stop

Type Value A

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 71A	AZTEC 002E	Begay, Shawn	Durham, Ken	AZTEC 02E	3004524090	35	14W	30N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
Jacinto Cardenas	08/18/2008	10 00	No	No	No	Yes	No	4			
Jacinto Cardenas	09/06/2008	08 34	No	No	No	No	No	4			
Jacinto Cardenas	10/12/2008	08 26	No	No	No	No	No	3			
Dustin Jensen	11/16/2008	02 08	No	No	No	Yes	No	3	Well Water Pi	Below Ground	
Dustin Jensen	12/07/2008	09 50	No	No	No	Yes	No	4	Well Water Pi	Below Ground	
Jacinto Cardenas	01/11/2009	08 45	No	No	No	Yes	No	3	Well Water Pi	Below Ground	
Dustin Jensen	02/08/2009	08 15	No	No	No	Yes	No	4	Well Water Pi	Below Ground	
Jacinto Cardenas	03/16/2009	10 00	No	No	No	Yes	No	1	Well Water Pi	Below Ground	
Jacinto Cardenas	04/15/2009	10 15	No	No	No	Yes	No	4	Well Water Pi	Below Ground	
Jacinto Cardenas	06/07/2009	09 00	No	No	No	Yes	No	3	Well Water Pi	Below Ground	
Jacinto Cardenas	07/10/2009	09 00	No	No	No	Yes	No	3	Well Water Pi	Below Ground	
Jacinto Cardenas	08/09/2009	09 48	No	No	No	Yes	No	2	Well Water Pi	Below Ground	
Jacinto Cardenas	09/18/2009	09 30	No	No	No	Yes	No	5	Well Water Pi	Below G	Well shut off
Jacinto Cardenas	10/14/2009	09 00	No	No	No	Yes	No	4	Well Water Pi	Below G	Well shut off
Jacinto Cardenas	11/21/2009	10 15	No	No	No	Yes	No	4	Well Water Pi	Below G	Well shut off
Jacinto Cardenas	12/16/2009	08 45	No	No	No	Yes	No	4	Well Water Pi	Below G	Well shut off

Jacinto Cardenas	02/17/2010	08 45	No	No	No	Yes	No	4	Well Water Pı Below G Well shut off
Jacinto Cardenas	03/19/2010	09 15	No	No	No	Yes	No	4	Well Water Pı Below G Well shut off
Jacinto Cardenas	04/18/2010	08 55	No	No	No	Yes	No	4	Well Water Pı Below G Well shut off
Jacinto Cardenas	05/23/2010	08 30	No	No	No	Yes	No	4	Well Water Pı Below G Well shut off
Jacinto Cardenas	06/20/2010	09 45	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	07/23/2010	09 20	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	08/25/2010	12 00	No	No	No	Yes	No	2	Well Water Pı Below Ground
Jacinto Cardenas	09/23/2010	09 45	No	No	No	Yes	No	2	Well Water Pı Below Ground
Jacinto Cardenas	10/24/2010	08 45	No	No	No	Yes	No	3	Well Water Pı Below Ground
Jacinto Cardenas	11/17/2010	10 25	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	12/27/2010	08 35	No	No	No	Yes	No	2	Well Water Pı Below Ground
Jacinto Cardenas	12/28/2010	10 50	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	01/19/2011	10 10	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	02/26/2011	08 30	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	03/28/2011	10 15	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	04/26/2011	11 20	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	05/18/2011	11 15	No	No	No	Yes	No	2	Well Water Pı Below Ground
Jacinto Cardenas	06/15/2011	09 45	No	No	No	Yes	No	1	Well Water Pı Below Ground
Jacinto Cardenas	07/22/2011	12 15	No	No	No	Yes	No	2	Well Water Pı Below Ground
Jacinto Cardenas	08/22/2011	11 45	No	No	No	Yes	No	2	Well Water Pı Below Ground
Jacinto Cardenas	09/20/2011	10 50	No	No	No	Yes	No	3	CDP Water P Below Ground
Jacinto Cardenas	10/14/2011	11 50	No	No	No	Yes	No	3	CDP Water P Below Ground
Jacinto Cardenas	11/15/2011	09 35	No	No	No	Yes	No	4	CDP Water P Below G Well I N A
Jacinto Cardenas	12/23/2011	12 25	No	No	No	Yes	No	4	CDP Water P Below G Well I N A
Jacinto Cardenas	01/19/2012	11 35	No	No	No	Yes	No	4	CDP Water P Below G Well I N A
Shawn Begay	02/13/2012	11 53	No	No	No	Yes	No	4	CDP Water P Below Ground