

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

9781

- 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: <u>XTO Energy, Inc.</u>		OGRID #: <u>5380</u>
Address: <u>382 Road 3100, Aztec, New Mexico 87410</u>		
Facility or well name: <u>Florance LS #4</u>		
API Number: <u>30-045-0472</u>		OCD Permit Number:
U/L or Qtr/Qtr <u>K</u>	Section <u>18</u>	Township <u>27N</u>
Range <u>8W</u>	County <u>San Juan</u>	
Center of Proposed Design. Latitude <u>36.56972</u>		Longitude <u>-108.00250</u>
NAD: <input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983		
Surface Owner: <input checked="" type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment		

RCVD MAR 13 '12
OIL CONS. DIV.
DIST. 3

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

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: 21 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 Four foot height, steel mesh field fence (hogwire) with pipe top railing

7.

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

- ☐ Screen ☐ Netting ☒ Other Expanded Metal or Solid Vaulted Top
- ☐ Monthly inspections (If netting or screening is not physically feasible)

8.

Signs: Subsection C of 19.15.17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15.3.103 NMAC

9.

Administrative Approvals and Exceptions:

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

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

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

10.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 H₂S, 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA |
| Ground water is more than 100 feet below the bottom of the buried waste
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA |
| Within 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.
- Visual inspection (certification) of the proposed site, Aerial photo; Satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.
- Written confirmation or verification from the municipality; Written approval obtained from the municipality | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 500 feet of a wetland
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within the area overlying a subsurface mine.
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within an unstable area.
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within a 100-year floodplain.
- FEMA map | <input type="checkbox"/> Yes <input type="checkbox"/> 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: Environmental Technician

Signature: [Signature] Date: 3/13/12

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

20.

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

OCD Representative Signature: [Signature] Approval Date: 3/13/2012

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: 1-19-12

22.

Closure Method:

☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

23.

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

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

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

24.

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

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

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

25.

Operator Closure Certification:

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

Name (Print): Logan Hixon Title: Environmental Technician

Signature: [Signature] Date: 3/13/12

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

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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: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Florance I.S #4 (API 30-045-06472)	Facility Type: Gas Well (Mesa Verde)

Surface Owner: Federal	Mineral Owner:	Lease No.: NMSF078625
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LOCATION OF RELEASE

Unit Letter K	Section 18	Township 27 N	Range 8 W	Feet from the 1550	North/South Line PSL	Feet from the 1825	East/West Line FWL	County San Juan County
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Latitude: N36.572300 Longitude: W-107.724800

NATURE OF RELEASE

Type of Release: N/A	Volume of Release: N/A	Volume Recovered: N/A
Source of Release:	Date and Hour of Occurrence:	Date and Hour of Discovery:
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

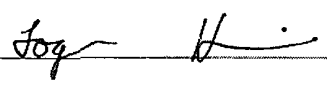
The below grade tank was taken out of service at the Florance I.S #4 well site due to the plugging and abandoning of this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for TPH, Benzene, Total BTEX and the total chlorides, confirming that a release has not occurred at this location.

Describe Area Affected and Cleanup Action Taken.*

No release has been confirmed for this location.

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

OIL CONSERVATION DIVISION

Signature: 

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: 3/13/2012

Phone: 505-333-3683

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

Lease Name: Florance LS #4

API No.: 30-045-06472

Description: Unit K, Section 18, Township 27N, Range 8W, 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 January 9, 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 January 9, 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 them 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 Florance LS #4

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	< 0.0031 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.0464 mg/kg
TPH	EPA SW-846 418.1	100	72 mg/kg
Chlorides	EPA 300.1	250 or background	64 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.

No release has been confirmed at this location

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:

- Operator's name
- Well Name and API Number
- 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 December 30, 2011; 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 December 30, 2011 via email. Email has been approved as a means of surface owner notification to the BLM by Brandon Powell, NMOCD Aztec Office.

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



15000 Laramie Rd.
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Tax ID: 62-684689

Est. 1970

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

Report Summary

Monday November 07, 2011

Report Number: L544273

Samples Received: 10/29/11

Client Project:

Description: BGT Closure / Florance LS 4

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, AHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - F87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NC NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, 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 proprietary EPA Method 921 is not approved or endorsed by the CA ELAP.

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15065 Lebanon Rd.
 MC Juliet, TN 37122
 615) 758-8855
 1-800-787-5559
 FAX 615) 758-8859
 TOLL FREE 800-458-4589
 Est. 1977

REPORT OF ANALYSIS

November 07, 2011

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

Date Received : October 29, 2011
 Description : BGT Closure / Florence LS 4
 Sample ID : 21 BBL BGT
 Collected By : Brad Griffith
 Collection Date : 10/28/11 07:57

ESC Sample # : 1544273-01
 Site ID : FLORENCE LS 4
 Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	64.	12.	mg/kg	9056	11/03/11	1
Total Solids	81.		%	2540G	11/04/11	1
Benzene	BDL	0.0031	mg/kg	8021/8015	11/01/11	5
Toluene	BDL	0.031	mg/kg	8021/8015	11/01/11	5
Ethylbenzene	BDL	0.0031	mg/kg	8021/8015	11/01/11	5
Total Xylene	BDL	0.0092	mg/kg	8021/8015	11/01/11	5
TPH (GC/FID) Low Fraction	BDL	0.62	mg/kg	GRO	11/01/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.5		% Rec.	8021/8015	11/01/11	5
a,a,a-Trifluorotoluene(FID)	93.7		% Rec.	8021/8015	11/01/11	5
TPH (GC/FID) High Fraction	BDL	4.9	mg/kg	3546/DRO	11/04/11	1
Surrogate recovery(%)						
o-Terphenyl	59.9		% Rec.	3546/DRO	11/04/11	1

Results listed are dry weight basis.
 BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit (PQL)
 Note:
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 The reported analytical results relate only to the sample submitted
 Reported: 11/07/11 14:53 Printed: 11/07/11 15:09



12065 Leland Rd.
 Mt. Juliet, TN 37122
 (615) 258-5152
 (800) 467-5859
 Fax (615) 258-5859
 Lab ID: SC-0014/09
 EN: 1970

REPORT OF ANALYSIS

November 07, 2011

James McDaniel
 XTO Energy - San Juan Division
 382 County Road #100
 Aztec, NM 87410

Date Received : October 29, 2011
 Description : BGT Closure / Florence LS 4
 Sample ID : 95 BBL BGT
 Collected By : Brad Griffin
 Collection Date : 10/28/11 07:59

ESC Sample # : LS44273-02
 Site ID : FLORENCE LS 4
 Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	250	13.	mg/kg	9056	11/03/11	1
Total Solids	79		%	7540G	11/04/11	1
Benzene	BDL	0.0032	mg/kg	8021/8015	11/01/11	5
Toluene	BDL	0.032	mg/kg	8021/8015	11/01/11	5
Ethylbenzene	BDL	0.0032	mg/kg	8021/8015	11/01/11	5
Total Xylene	BDL	0.0095	mg/kg	8021/8015	11/01/11	5
TPH (GC/FID) Low Fraction	BDL	0.63	mg/kg	GRO	11/01/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (P1D)	94.4		% Rec.	8021/8015	11/01/11	5
a,a,a-Trifluorotoluene (P1D)	94.5		% Rec.	8021/8015	11/01/11	5
TPH (GC/FID) High Fraction	31.	5.1	mg/kg	3546/DRO	11/03/11	1
Surrogate recovery(%)						
o-Terphenyl	71.2		% Rec.	3546/DRO	11/03/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 11/07/11 14:53 Printed: 11/07/11 15:39



YOUR LAB OF CHOICE

King County - San Juan Division
James McDaniel
317 County Road #100

Astoria, WA 97103

Quality Assurance Report
Level 1:

1044773

17045 Lebanon Rd.
Mt. Rainier, WA 98127
(206) 858-5858
(800) 767-2853
Fax: (206) 858-5859

Tax I.D. #: 61-0614289

Est. 1970

November 17, 2011

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Match	Date Analyzed
Benzene	< .0005	mg/kg			WG563388	11/01/11 12:56
Ethylbenzene	< .0005	mg/kg			WG563388	11/01/11 12:56
Toluene	< .005	mg/kg			WG563388	11/01/11 12:56
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG563388	11/01/11 12:56
Total Xylene	< .0015	mg/kg			WG563388	11/01/11 12:56
a,a,a-Trifluorotoluene (TTF)		% Rec.	95.09	54-128	WG563388	11/01/11 12:56
a,a,a-Trifluorotoluene (TTF)		% Rec.	95.09	54-144	WG563388	11/01/11 12:56
Chloride	< .15	mg/kg			WG563388	11/01/11 12:56
Total Solids	< .1	%			WG563388	11/01/11 12:56
TPH (GC/FID) High Fraction o-Terphenyl	< .4	ppm			WG563388	11/01/11 12:56
TPH (GC/FID) High Fraction o-Terphenyl		% Rec.	16.16	50-150	WG563388	11/01/11 12:56
TPH (GC/FID) High Fraction o-Terphenyl	< .4	ppm			WG563388	11/01/11 12:56
TPH (GC/FID) High Fraction o-Terphenyl		% Rec.	66.04	50-150	WG563388	11/01/11 12:56

Analyte	Units	Result	Duplicate	RPD	Limit	Ref. Sample	Batch
Total Solids	%	01.0	05.2	5.73*	5	1044344-07	WG563388

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	05	0.0456	93.1	75-115	WG563388
Ethylbenzene	mg/kg	05	0.0466	93.3	75-115	WG563388
Toluene	mg/kg	05	0.0494	98.8	75-115	WG563388
Total Xylene	mg/kg	05	0.132	87.9	81-118	WG563388
a,a,a-Trifluorotoluene (TTF)	mg/kg	05	0.132	97.74	54-144	WG563388
TPH (GC/FID) Low Fraction	mg/kg	05	0.132	97.74	54-144	WG563388
a,a,a-Trifluorotoluene (TTF)	mg/kg	05	0.132	97.74	54-144	WG563388
Chloride	mg/kg	200	210	105	85-115	WG563388
Total Solids	%	50	50.2	100	85-115	WG563388
TPH (GC/FID) High Fraction o-Terphenyl	ppm	60	43.7	72.8	50-150	WG563388
TPH (GC/FID) High Fraction o-Terphenyl	ppm	60	49.5	82.5	50-150	WG563388

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Ref	Batch
Benzene	mg/kg	0.0456	0.0466	97.7	75-115	1.53	WG563388
Ethylbenzene	mg/kg	0.0466	0.0466	97.7	75-115	1.53	WG563388
Toluene	mg/kg	0.0494	0.0494	97.7	75-115	1.53	WG563388
Total Xylene	mg/kg	0.132	0.132	97.7	81-118	1.53	WG563388

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A "List of Analytes with QC Qualifiers."



8. 200, NM 97401

Quality Assurance Report
 Date: 10/10/2014

154422

TAX I D. 68-0914289

29. 959

November 01, 1911

Analyte	Units	Matrix Spike		Duplicate	Time	RPM	Time	Ref	Sample	Batch
		Conc	Recovery							
Benzene	mg/kg	2.194	1.213	77.4	31-157	9.41	59	1544313-01	WG563380	
Phenylacetone	mg/kg	0.106	3.230	81.8	10-150	10.1	44	1544313-01	WG563385	
Toluene	mg/kg	0.206	0.749	90	20-145	9.87	41	1544313-01	WG563388	
Total Xylene	mg/kg	0.621	0.656	75.4	16-144	10.2	46	1544313-01	WG563389	
o,p,p'-Trifluorobenzene (FIL)				11.07					WG563388	
TPH (GC/FID) Low Fraction	mg/kg	33.7	24.1	66.2	53-109	9.84	20	1544313-01	WG563389	
o,p,p'-Trifluorobenzene (FIL)				54.64					WG563388	
TPH (GC/FID) High Fraction	ppm	6.17	116	0	57-110	11.64	25	1544449-01	WG563741	
o-Terphenyl				53.78	50-150				WG563742	
TPH (GC/FID) High Fraction	ppm	41.8	46.5	69.6	50-150	10.3	17	1544449-01	WG563741	
o-Terphenyl				51.90	50-150				WG563741	

¹bat. number / km. number / "1994" number cross reference

KK.16.1426, R1816197, L514273-21 U2

4036-1750, K28-0846: 2714273-0 (C)

Wg562566: RU0112:1: 5644 75-1.1 C7

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A "List of Analyses with Of Offenders."



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
James McHale
387 County Road 3300

Alto, NM 87410

Quality Assurance Report
Level II

104473

17065 Lebanon Rd
Mt. Collier, TN 37122
(615) 754-5858
1-800-460-2855
Fax (615) 754-5859

Tax I.D. #27-0914289

Est. 1976

November 27, 2011

WQ501041: R1011494: 104473-01
WQ501102: R1021573: 104473-02

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



YOUR LAB OF CHOICE

XRD Entry - San Juan Division
James Macintosh
382 County Road 2401

Aztec, NM 87410

Quality Assurance Report
Level II

1144771

11366 Leland Rd.
Mt. Juliet, TN 37122
615/758-5833
1-800-767-8856
Fax: 615/758-8859

Tax I.D. #1-0814189

Est. 1979


November 27, 2011

The data package includes a summary of the analytic results of the quality control samples required by the SA 540 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 affected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - is a 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 affected 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 also calculated. If the RPD is above the method limit, the affected samples are flagged with a "J3" qualifier.


Company Name/Address XTO ENERGY, INC. 382 County Road 3100 AZTEC, NM 87410				Alternate Billing Report to: James McDaniel E-mail to: james_mcdaniel@xtoenergy.com				Analysis/Container/Preservative				Prepared by:  ENVIRONMENTAL SCIENCE CORP 12065 Lebanon Road Mt. Juliet TN 37122 Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859	
Project Description: BGT Closure / FLORANCE LS #4				City/State Collected				<div>CoCode (lab use only) XTORNM Template/Prelogin Shipped Via: Fed Ex</div>				<div>Remarks/contaminant</div> <div>Sample # (lab only) 1544273-01 -02</div>	
PHONE 505-333-3701		Client Project No.		Lab Project #									
FAX													
Collected by: Brad Griffith		Site/Facility ID# FLORANCE LS #4		P O #									
Collected by (signature): Bl Griffith		<input checked="" type="checkbox"/> Rush? (Lab MUST be Notified) ___ Next Day..... 100% ___ TWO Day..... 50% ___ Three Day..... 25%		Date Results Needed Email? ___ No ___ Yes FAX? ___ No ___ Yes									
Packed on Ice N ___ Y <input checked="" type="checkbox"/>													
Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Cntrs	8015	8021	Chlorides				
21 BBL BGT	COMP	SS		10/28	757	1	X	X	X				
95 BBL BGT	COMP	SS		10/28	759	1	X	X	X				

Matrix SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT-Other _____

pH _____ Temp _____

Remarks: "ONLY 1 COC Per Site!!"

Flow _____ Other _____

Relinquisher by (Signature) Bl Griffith	Date 10/28	Time 0925	Received by (Signature) 	Samples returned via FedEx <input checked="" type="checkbox"/> UPS _____ Other _____	Condition (lab use only)
Relinquisher by (Signature)	Date	Time	Received by (Signature)	Temp 3.1 3.12	Bottles Received 2 102
Relinquisher by (Signature)	Date	Time	Received for lab by (Signature) Bl Griffith	Date 10-28-11	Time 0900
				pH Checked	NCF <input checked="" type="checkbox"/>



**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

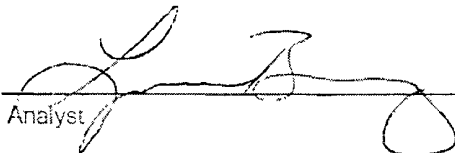
Client:	XTO	Project #:	98031-0528
Sample ID:	21 BBL BGT	Date Reported:	10/28/11
Laboratory Number:	60132	Date Sampled:	10/28/11
Chain of Custody No:	12837	Date Received:	10/28/11
Sample Matrix:	Soil	Date Extracted:	10/28/11
Preservative:	Cool	Date Analyzed:	10/28/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	72.0	7.2

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: Florance LS #4


Analyst


Review



envirotech
Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	XTO	Project #:	98031-0528
Sample ID:	95 BBL BGT	Date Reported:	10/28/11
Laboratory Number:	60133	Date Sampled:	10/28/11
Chain of Custody No:	12837	Date Received:	10/28/11
Sample Matrix:	Soil	Date Extracted:	10/28/11
Preservative:	Cool	Date Analyzed:	10/28/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,380	7.2

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: Florance LS #4

Analyst

Review



**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	10/28/11
Laboratory Number:	10-28-TPH.QA/QC 60132	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	10/28/11
Preservative:	N/A	Date Extracted:	10/28/11
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	10/18/2011	10/28/11	1,800	1,720	4.4%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	7.2

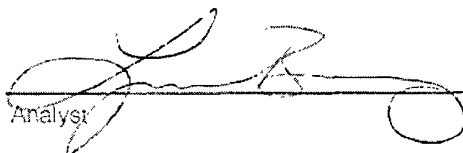
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	72.0	64.8	10.0%	+/- 30%


Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	72.0	2,000	1,870	90.3%	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 Store No. 4551, 1978.

Comments: QA/QC for Samples 60132 and 60133.

Analyst 

Review 

CHAIN OF CUSTODY RECORD

12857

Client: XTO			Project Name / Location: FLORANCE LS #4			ANALYSIS / PARAMETERS													
Client Address: 352 ROAD 3100			Sampler Name: BRAD GRIFFITH			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 757-0519			Client No.: 98031-0528																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative													
21 BBL BGT	10/28	0757	60132	Soil Solid	Sludge Aqueous	1	402											X	Y
95 BBL BGT	10/28	0759	60133	Soil Solid	Sludge Aqueous	1	407											X	X
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date			Time								
Bl Griffith			10/28	0905	Terrill Winters			10-28			9:05								
Relinquished by: (Signature)					Received by: (Signature)														
Relinquished by: (Signature)					Received by: (Signature)														



envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com



James McDaniel /FAR/CTOC
12/30/2011 03:35 PM

To Mark_Kelly@blm.gov
cc
bcc

Subject BGT Closure Notifications

Mark,

Please accept this email as the required notification for BGT closure activities at the following two well sites:

Johnson Gas COM B #1E (api #30-045-24166) located in Unit I, Section 21, Township 27N, Range 10W, San Juan County, New Mexico.

Florance LS #4 (api #30-045-06472) located in Unit K, Section 18, Township 27N, Range 8W, San Juan County, New Mexico

Both of these below grade tanks are being closed due to plugging and abandoning of these well locations. Thank you for your time in regards to this matter.



James McDaniel, CHMM #15676

EH&S Supervisor

XTO Energy, Inc.

Office # 505-333-3701

Cell # 505-787-0510

James.McDaniel@xtoenergy.com



James McDaniel /FAR/CTOC

12/30/2011 03:30 PM

To brandon.powell@state.nm.us

cc Thomas Dawes/FAR/CTOC@CTOC

bcc

Subject Johnson Gas COM B #1E BGT Closure

Brandon,

Please accept this email as the required notification for BGT closure activities at the following two well sites.

Johnson Gas COM B #1E (api #30-045-24166) located in Unit I, Section 21, Township 27N, Range 10W, San Juan County, New Mexico.

Florance LS #4 (api #30-045-06472) located in Unit K, Section 18, Township 27N, Range 8W, San Juan County, New Mexico

Both of these below grade tanks are being closed due to plugging and abandoning of these well locations . Thank you for your time in regards to this matter.



James McDaniel, CHMM #15676

EH&S Supervisor

XTO Energy, Inc.

Office # 505-353-3704

Cell # 505-767-0519

James.McDaniel@xtoenergy.com

Jones, Brad A., EMNRD

From: James_McDaniel@xtoenergy.com
Sent: Thursday, October 27, 2011 12:18 PM
To: Jones, Brad A., EMNRD
Subject: Florance LS #4 BGT Closure

Brad,

Please accept this email as a request for approval of the closure plan only for the BGT at the Florance LS #4 location (api #30-045-06472) located in Unit K, Section 18, Township 27N, Range 8W, San Juan County, New Mexico. Our records show that this closure plan was submitted to your office on 2/27/2009. 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.



James McDaniel, CHMM #15676

EH&S Supervisor

XTO Energy, Inc.

Office # 505-333-3701

Cell # 505-787-0519

James_McDaniel@xtoenergy.com

XTO Energy, Inc.
Florance LS #4
Section 18, Township 27N, Range 8W
Closure Date: 1/9/2012



Photo 1: Florance LS #4 after reclamation (View 1)



Photo 2: Florance LS #4 after reclamation (View 2)



Well Below Tank Inspection Report

Below Grade Pit Forms (Temp.)	Florans LS 04	Thompson, Ronnie	Unassigned	FLORANCE 04 (PA)	3004506472	18	8W	27N			
InspectorName	Inspection	Inspection	Visible	VisibleTankLeak	Collection	Visible	Visible	Freeboard	PitLocation	PitType	Notes
L Parke	07/23/2008	10:30	No	No	Yes	Yes	No	3			
L Parke	08/20/2008	10:55	No	No	Yes	Yes	No	3			
MIKE G	09/17/2008	10:25	No	No	Yes	Yes	No	3			
L PARKE	10/30/2008	11:45	No	No	Yes	Yes	No	3	Well Water P	Below Ground	
L PARKE	12/31/2008	11:00	No	No	Yes	Yes	No	3	Well Water P	Below Ground	
L PARKE	01/17/2009	11:00	No	No	Yes	Yes	No	3	Well Water P	Below Ground	
L PARKE	02/21/2009	11:00	No	No	Yes	Yes	No	3	Well Water P	Below Ground	
M GARCIA	04/30/2009	02:00	No	No	Yes	Yes	No	4	Well Water P	Below Ground	
LP	06/03/2009	02:00	No	No	Yes	Yes	No	4	Well Water P	Below Ground	
LP	01/19/2010	02:00	No	No	Yes	Yes	No	3	Well Water P	Below Ground	
LP	02/27/2010	02:00	No	No	Yes	Yes	No	2	Well Water P	Below Ground	
MG	03/25/2010	02:00	No	No	Yes	Yes	No	2	Well Water P	Below G MG	
MG	05/20/2010	02:00	No	No	Yes	Yes	No	2	Well Water P	Below G MG	
LR	08/31/2010	02:00	No	No	Yes	Yes	No	5	Well Water P	Below G LR-WELL INA 8-18-10	
MG	10/13/2010	02:30	No	No	Yes	Yes	No	5	Well Water P	Below G LR-WELL INA 8-18-10	
MG	02/28/2011	02:30	No	No	Yes	Yes	No	5	Well Water P	Below G LR-WELL INA 8-18-10	
SE	09/06/2011	11:20	No	No	Yes	Yes	No	5	Well Water P	Below G	