

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or

12358 Proposed Alternative Method Permit or Closure Plan Application

Type of action: ☐ Below grade tank registration
☐ Permit of a pit or proposed alternative method
☒ Closure of a pit, below-grade tank, or proposed alternative method
☐ Modification to an existing permit/or registration
☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

OIL CONS. DIV DIST. 3

NOV 13 2014

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

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

1.	
Operator: <u>XTO Energy Inc</u>	OGRID #: <u>5380</u>
Address: <u>382 Road 3100 Aztec, NM 87410</u>	
Facility or well name: <u>Jack Frost B #2</u>	
API Number: <u>30-045-06295</u>	OCD Permit Number: _____
U/L or Qtr/Qtr: <u>D</u> Section <u>27</u> Township: <u>27N</u> Range: <u>10W</u> County: <u>San Juan</u>	
Center of Proposed Design: Latitude <u>36.550810</u> Longitude <u>-107.887830</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	

2.	
<input type="checkbox"/> Pit: Subsection F, G or J of 19.15.17.11 NMAC	
Temporary: <input type="checkbox"/> Drilling <input type="checkbox"/> Workover	
<input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> P&A <input type="checkbox"/> Multi-Well Fluid Management Low Chloride Drilling Fluid <input type="checkbox"/> yes <input type="checkbox"/> no	
<input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
<input type="checkbox"/> String-Reinforced	
Liner Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____ Volume: _____ bbl Dimensions: L _____ x W _____ x D _____	

3.	
<input checked="" type="checkbox"/> Below-grade tank: Subsection I of 19.15.17.11 NMAC	
Volume: <u>95</u> bbl	Type of fluid: <u>Produced Water</u>
Tank Construction material: <u>Steel</u>	
<input type="checkbox"/> Secondary containment with leak detection <input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
<input type="checkbox"/> Visible sidewalls and liner <input checked="" type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other _____	
Liner type: Thickness _____ mil <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	

4.	
<input type="checkbox"/> Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	

5.	
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
<input type="checkbox"/> 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)	
<input type="checkbox"/> Four foot height, four strands of barbed wire evenly spaced between one and four feet	
<input type="checkbox"/> Alternate. Please specify _____	

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6.

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)

7.

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 19.15.16.8 NMAC

8.

Variances 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:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

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

9.

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. Siting criteria does not apply to drying pads or above-grade tanks.*

General siting

Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.

- ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

☐ Yes ☐ No

☐ NA

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No

☐ NA

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. **(Does not apply to below grade tanks)**

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ No

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)**

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area. **(Does not apply to below grade tanks)**

- 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. **(Does not apply to below grade tanks)**

- FEMA map

☐ Yes ☐ No

Below Grade Tanks

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a occupied 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 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300 feet of any other fresh water well or spring, in existence at the time of the initial application.

NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 100 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Temporary Pit Non-low chloride drilling fluid

Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any 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 spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Permanent Pit or Multi-Well Fluid Management Pit

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 1000 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 spring or a fresh water well used for domestic or stock watering purposes, 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 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

10.

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: _____

11.

Multi-Well Fluid Management Pit 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.

- ☐ 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
- ☐ A List of wells with approved application for permit to drill associated with the pit.
- ☐ 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
- ☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

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

12.

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 Overlapping 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

13.

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 ☐ Multi-well Fluid Management Pit
☐ 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

14.

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

15.

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 require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Ground water is less than 25 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 25-50 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 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 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, 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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, 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 |
| Written confirmation or verification from the municipality; Written approval obtained from the municipality | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 300 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 incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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 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

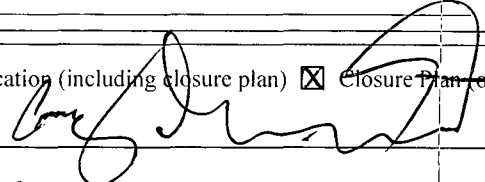
16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

☐ 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 E of 19.15.17.13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K 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 19.15.17.13 NMAC
☐ Waste Material Sampling Plan - based upon the appropriate requirements 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 H of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
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): _____ Title: _____
 Signature: _____ Date: _____
 e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan only ☐ OCD Conditions (see attachment)

OCD Representative Signature:  Approval Date: 12/1/11
 Title: Environmental Spec OCD Permit Number: _____

19.
Closure Report (required within 60 days of closure completion): 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: July 8, 2010

20.
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.

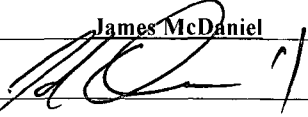
21.
Closure Report Attachment Checklist: *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

☐ Proof of Closure Notice (surface owner and division)
☐ Proof of Deed Notice (required for on-site closure for private land only)
☐ 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

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): James McDanielTitle: EHS SupervisorSignature: Date: 11/11/14e-mail address: James_McDaniel@xtoenergy.comTelephone: (505) 333-3701

District I
1625 N. French Dr., Hobbs, NM 88240
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy Inc.	Contact: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: Jack Frost B #2	Facility Type: Gas Well (Basin Dakota)

Surface Owner: BLM	Mineral Owner	API No. 30-045-06295
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LOCATION OF RELEASE

Unit Letter D	Section 27	Township 27N	Range 10W	Feet from the 930	North/South Line FNL	Feet from the 1040	East/West Line FWL	County San Juan
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Latitude: N 36.550810 Longitude: W -107.887830

NATURE OF RELEASE

Type of Release: Produced water w/ Incidental Oil	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Historical Earthen Pit	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 5/12/2010
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell	
By Whom?	Date and Hour: 5/25/2010	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown	

If a Watercourse was Impacted, Describe Fully.*

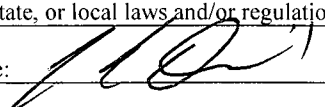
Describe Cause of Problem and Remedial Action Taken.*

During the excavation of historically impacted soil in 2010, the below grade tank was taken out of service. The below grade tank was located in the area that was excavated during the spill, and the pit was brought above grade when the location was re-set. As a result, no below grade tank closure sample was collected, however, a report was submitted documenting the remediation activities of the historically impacted soil, and the C-141 was approved by the NMOCD on September 8, 2010, documenting that remediation activities were completed at this location.

Describe Area Affected and Cleanup Action Taken.*

Please reference the previously submitted C-141 and attached Excavation Report approved by the NMOCD on September 8, 2010. A copy of the approved report is attached to this document for your review.

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: 	OIL CONSERVATION DIVISION		
Printed Name: James McDaniel	Approved by Environmental Specialist:		
Title: EHS Supervisor	Approval Date:	Expiration Date:	
E-mail Address: James_McDaniel@xtoenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11/11/14	Phone: 505-333-3701		

* Attach Additional Sheets If Necessary

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

Lease Name: Jack Frost B #2

API No.: 30-045-06295

Description: Unit D, Section 27, Township 27N, Range 10W, San Juan County

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

General Plan

1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.

Closure Date is July 8, 2010

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 July 8, 2010

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 will remain on-site for the continued production of oil and gas.

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.

No sample was collected.

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.

Please see the attached C-141 for remediation activities, and reference the previously submitted C-141 and Excavation Report approved on September 8, 2010.

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

Due to a historical remediation project occurring at this location, the proper BGT closure protocols were not followed for this particular BGT, and a notification was inadvertently not submitted.

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.

Due to a historical remediation project occurring at this location, the proper BGT closure protocols were not followed for this particular BGT, and a notification was inadvertently not submitted.

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

The location will be recontoured to match the above specifications upon P&A.

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.

The site will be reclaimed pursuant to the BLM MOU upon P&A.

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; **Not made**
 - ii. Details on capping and covering, where applicable; **per OCD Specifications**
 - iii. Inspection reports; **attached**
 - iv. Confirmation sampling analytical results; **NA**
 - 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); **NA**
 - viii. Photo documentation of the site reclamation. **attached**

15. **This closure report is being submitted after the 60 day deadline required by the 'Pit Rule' due to a misunderstanding of the 'Pit Rule' in 2010.**



Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 44B	FROST JACK B 002	Yancey, Dusten	Mulnix, John	JACK FROST B 02	3004506295	27	10W	27N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
Ken Mills	08/20/2008	11:25	No	Yes	No	Yes	No	2			
Ken Mills	09/11/2008	08:45	No	Yes	No	Yes	No	3			
ERIC SCHUSTER	10/28/2008	11:25	No	Yes	No	Yes	No	3			
ERIC SCHUSTER	11/22/2008	11:40	No	Yes	No	Yes	No	3	Well Water	Below Ground	
ERIC SCHUSTER	12/15/2008	12:15	No	Yes	No	Yes	No	4	Compressor	Below Ground	
KEN MILLS	01/15/2009	09:15	No	Yes	No	Yes	No	4	Compressor	Below Ground	
KEN MILLS	02/28/2009	08:40	No	Yes	No	Yes	No	3	Compressor	Below Ground	
KEN MILLS	03/27/2009	11:10	No	Yes	No	Yes	No	3	Compressor	Below Ground	
KEN MILLS	04/23/2009	08:45	No	Yes	No	Yes	No	3	Compressor	Below Ground	
J CHENAULT	05/27/2009	11:30	No	Yes	No	Yes	No	2	Compressor	Below Ground	
KEN MILLS	06/20/2009	10:25	No	Yes	No	Yes	No	4	Compressor	Below Ground	
JC	07/31/2009	02:30	No	Yes	No	Yes	No	3	Compressor	Below Ground	
JC	08/31/2009	02:10	No	Yes	No	Yes	No	3	Compressor	Below Ground	
JC	09/10/2009	01:55	No	Yes	No	Yes	No	2	Compressor	Below Ground	
JC	10/15/2009	02:40	No	Yes	No	Yes	No	2	Compressor	Below Ground	
JC	11/20/2009	03:00	No	Yes	No	Yes	No	2	Compressor	Below Ground	
JC	12/21/2009	10:50	No	Yes	No	Yes	No	3	Compressor	Below Ground	
KM	01/08/2010	09:30	No	Yes	No	Yes	No	3	Compressor	Below Ground	
KM	02/10/2010	09:20	No	Yes	No	Yes	No	2	Compressor	Below Ground	
KM	03/22/2010	11:20	No	Yes	No	Yes	No	3	Compressor	Below Ground	
KM	04/21/2010	12:50	No	Yes	No	Yes	No	0	Compressor	Below G	work is being done on pit
KM	05/28/2010	01:55	No	Yes	No	Yes	No	0	Compressor	Below G	work is being done on pit
KM	06/07/2010	08:05	No	Yes	No	Yes	No	5	Compressor	Below G	work is being done on pit
KM	07/07/2010	08:50	No	Yes	No	Yes	No	5	Compressor	Below G	work is being done on pit

XTO Energy Inc.
Jack Frost B #2 (30-045-06295)
Section 27 (D), Township 27N, Range 10W
Closure Date: July 8, 2010

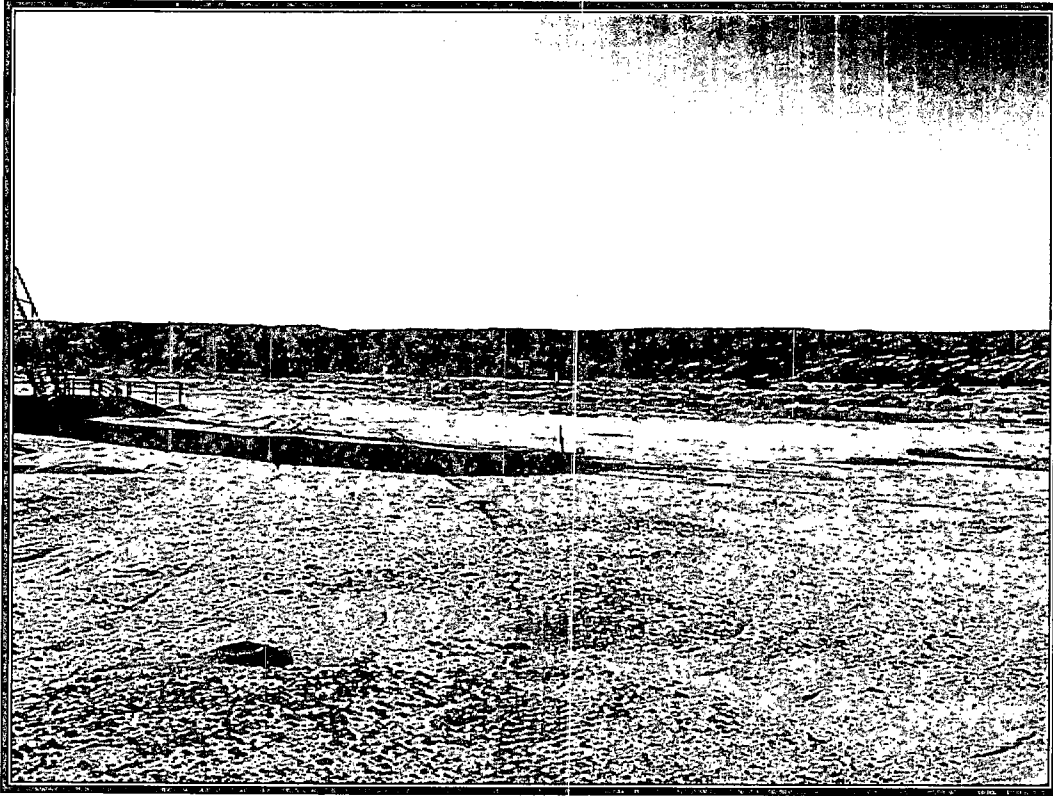


Photo 1: Jack Frost B #2 Former Location of BGT



Photo 2: Jack Frost B #2 Former Location of BGT

District 1
1625 N. French Dr., Hobbs, NM 88240
District 11
1301 W. Grand Avenue, Artesia, NM 88210
District 13
1000 Rio Brazos Road, Aztec, NM 87410
District 14
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: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: Jack Frost B #2 (30-045-06295)	Facility Type: Gas Well (Dakota)

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

Unit Letter D	Section 27	Township 27N	Range 10W	Feet from the 930	North/South Line FNL	Feet from the 1040	East/West Line FWL	County San Juan
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Latitude: 36.55094 Longitude: -107.88842

RCVD AUG 18 '10
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

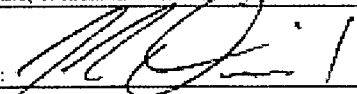
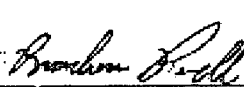
Type of Release: Produced Water or Incidental Oil/Condensate	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Earthen Pit/Historical Production Tank Overflow	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 5/12/2010
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell	
By Whom? James McDaniel	Date and Hour 5/25/2010	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Unknown	

If a Watercourse was Impacted, Describe Fully.
Groundwater was encountered during excavation activities. 15 bbls of groundwater was removed, and a sample was collected of the infiltrating groundwater. The water was below the WQCC regulatory standards for BTEX. No impact to the groundwater is expected.

Describe Cause of Problem and Remedial Action Taken.
On May 12, 2010, it was noticed that approximately 2 bbls of water had overflowed from the on-site pit tank. On May 17, 2010, excavation activities began to clean up the 2 bbls release. The site had been ranked prior to excavation pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 40 due to an estimated depth to groundwater of less than 50 feet, and a wash at less than 200 feet from the location. This set the closure standards to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX. During excavation activities, a historical earthen pit from Amoco's former production at the location was discovered. The excavation area was extended at this time to remove soil impacted by the former earthen pit's operation. On May 25th, 2010, groundwater was discovered during excavation activities, and Brandon Powell, OCD Aztec Office, and Mark Kelly, BLM, were notified via a phone call by James McDaniel with XTO Energy, Inc. Excavation continued through June, under the supervision of L.T. Environmental, until samples were collected from the excavation that returned results below the regulatory standards determined for this site. A report documenting on-site activities is attached for your reference.

Describe Area Affected and Cleanup Action Taken.
See attached report completed by L.T. Environmental documenting onsite activities.

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: 	OIL CONSERVATION DIVISION		
Printed Name: James McDaniel	Approved by District Supervisor:  For: LT		
Title: EH&S Specialist	Approval Date: 9/8/10	Expiration Date:	
E-mail Address: James_McDaniel@stoenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8/16/2010	Phone: 505-333-3701		

nb9025138360

110

EXCAVATION REPORT

JACK FROST B #2

SAN JUAN COUNTY, NEW MEXICO

August 12, 2010

Prepared for:

**XTO ENERGY, INC
Aztec, NM**



EXCAVATION REPORT
JACK FROST B #2
SAN JUAN COUNTY, NEW MEXICO

August 12, 2010

Prepared for:

XTO ENERGY, INC
382 CR 3100
Aztec, NM 87410

Prepared by:

LT ENVIRONMENTAL, INC.
2243 Main Avenue, Suite 3
Durango, Colorado 81301
(970) 385-1096



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FIGURE 2	EXCAVATION SITE MAP

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TABLE 1	EXCAVATION SOIL ANALYTICAL RESULTS
TABLE 2	LABORATORY RESULTS FROM GROUNDWATER SAMPLES

APPENDIX

APPENDIX A	LABORATORY REPORTS
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EXECUTIVE SUMMARY

This report was prepared by LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc (XTO) to document remediation activities at the Jack Frost B #2 (Site). The Site is located in Unit D of Section 27 in Township 27 North and Range 10 West in San Juan County, New Mexico.

The scope of work for this project included mitigation of hydrocarbon impacts following a May 2010 release of condensate from a below grade pit tank at the Site. Soil impacted by this recent release was removed and disposed of along with historically impacted soil encountered in the subsurface. The perimeter of the final excavation was approximately 17,850 square feet. The excavation advanced to an average depth of 18 feet below ground surface (bgs) where groundwater was encountered. A vacuum truck was used to remove and dispose of impacted groundwater that pooled within the open excavation. These activities contributed to overall remediation of the Site. A small, separate excavation was dug northwest of the primary excavation underneath the former location of a production tank. It consisted of removal of 161 cubic yards of soil. A final total of 7,233 cubic yards of impacted soil were excavated and transported to Envirotech Landfarm for disposal. Analytical results from soil confirmation samples indicated that the walls and floor of the excavation were remediated to below New Mexico Oil Conservation Division (NMOCD) standards. Analytical results from groundwater samples collected from the open excavation were below the New Mexico Water Quality Control Commission (NMWQCC) standard for benzene, toluene, ethylbenzene, and total xylenes (BTEX).



SECTION 1.0

INTRODUCTION

This report was prepared by LT Environmental, Inc. (LTE) for XTO Energy, Inc (XTO) to document excavation activities at the Jack Frost B #2 (Site). The purpose of this project was to remove hydrocarbon-impacted soils and groundwater from the Site.

1.1 SITE DESCRIPTION

The Jack Frost B #2 is located in Unit D of Section 27 in Township 27 North and Range 10 West in San Juan County, New Mexico. The Site is situated near the headwaters of the Kutz Canyon arroyo of the San Juan River Drainage Basin. The production wellhead is approximately 90 feet northeast of the East Fork of Kutz Wash (Figure 1). Site geology is identified as Quaternary alluvium overlying the Nacimiento Formation and Ojo Alamo Sandstone. Shallow soils are composed of wind-blown alluvium, which are weathered from shale. Depth to groundwater at the site is less than 50 feet below ground surface (bgs) based on observations of groundwater pooling in the open excavation.

1.2 SITE HISTORY

In May 2010, a small amount of produced water was released from a below ground storage tank situated in a wood cellar containment at the Site. The liquid overflowed into the bermed area and saturated the gravel containment area. XTO responded immediately and scheduled an excavation to remove impacted soil. XTO contracted LTE to oversee the excavation and collect confirmation samples for closure.

1.3 SCOPE OF WORK

The scope of work for this remediation project included removal of impacted soil. Impacted soil was transported off site to the Envirotech Landfarm and replaced with clean fill from the Moss Pit. During on-site activities, LTE personnel conducted excavation oversight, collected soil and groundwater samples, field screened samples to segregate clean from impacted soils, monitored health and safety, and documented all field activities. A summary of field work, analytical results from soil and groundwater sampling, and conclusions are presented in the subsequent sections of this report.



SECTION 2.0

SUMMARY OF FIELD ACTIVITIES

2.1 EXCAVATION ACTIVITIES

2.1.1 Impacted Soil Removal

Excavation activities began on May 12, 2010. LTE was not on site from May 12, 2010 through June 8, 2010. During this time period, the soil immediately beneath the bermed area was removed and XTO conducted field screening and sampling. On June 9, 2010, an LTE geologist took over excavation oversight from XTO personnel and noted evidence of impact within the existing pit beginning at approximately 6 feet bgs and extending to an average depth of 18 feet bgs. While excavating the primary release, soil impacted by other historical releases were identified and removed. Additional sources included a former earthen pit, one out-of-service below ground pipeline, and a production tank. The production tank had to be moved to allow for excavation of a separate, smaller area of impacted soil located beneath the tank.

During the excavation, LTE personnel conducted field screening of organic vapor concentrations with a photoionization detector (PID) according to New Mexico Oil Conservation Division (NMOCD) headspace techniques. LTE also collected confirmation samples of the side walls and floor of the excavation to document excavation activities.

Due to the duration and large size of the excavation, XTO worked with the NMOCD to subdivide the excavation and allow for backfilling portions shown to be clean prior to moving forward with additional soil removal. This strategy provided a larger and safer area for equipment operators to work.

The final dimensions of the primary excavation were approximately 170 feet long by 105 feet wide and the total depth of the excavation ranged from 15-19 feet bgs. The smaller hole was dug in the location of a former production tank immediately northeast. It was 25 feet wide by 35 feet long and 5 feet deep. A total estimated volume of 11,888 cubic yards of soil was excavated. Of that, 7,233 cubic yards of contaminated soil was transported to Envirotech Landfarm in Hilltop, New Mexico. The remainder was clean overburden that was used to backfill the hole.

Confirmation samples were collected for submittal to an analytical laboratory. Figure 2 presents the excavation extent and the location of composite soil samples collected from within the excavation. Composite soil samples were collected by depositing five aliquots of soil into plastic bags, thoroughly mixing the contents and sampling into four ounce glass jars. Samples were stored on ice and either dropped off at Envirotech Laboratory in Bloomfield, New Mexico or shipped to ESC Lab Sciences (ESC) in Nashville, Tennessee following strict chain-of-custody procedures. The soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by U.S. Environmental



Protection Agency (USEPA) Method 8021 and total petroleum hydrocarbons (TPH) by USEPA Method 8015.

2.1.2 Impacted Groundwater Removal

Approximately 15 barrels of impacted groundwater were pumped and transferred by Roberts Trucking to Basin Disposal SWD #1. Groundwater that pooled in excavation was sampled for BTEX by collecting a grab sample in a decontaminated pitcher or bailer and immediately filling three pre-cleaned and pre-preserved 40 milliliter (ml) glass vials with zero headspace to prevent degradation of the sample. The groundwater samples were shipped on ice to ESC and analyzed for BTEX according to USEPA Method 8021B.



SECTION 3.0

ANALYTICAL RESULTS

Results from laboratory testing of all soil samples collected during the excavation are listed on Table 1. Locations of soil samples collected for site closure are shown in Figure 2. Complete laboratory reports are included in Appendix A. Final laboratory analyses indicate that TPH concentrations in soils on the walls and the floor were beneath NMOCD standards for sites where groundwater is less than 50 feet deep.

Groundwater sampling results are presented in Table 2 and laboratory reports are in Appendix A. The groundwater sample collected from the excavation was below New Mexico Water Quality Control Commission (NMWQCC) standard for BTEX concentrations.



SECTION 4.0

SUMMARY AND CONCLUSIONS

A total of 11,888 cubic yards of soil was excavated from the Site. Of those yards, 7,233 cubic yards were impacted by both the recent produced water release and by historical releases identified in the subsurface. Impacted soil was transported to the Envirotech Landfarm in Hilltop, New Mexico for disposal. XTO worked with the NMOCD to gain approval to backfill the excavation as progress was made towards ultimate removal of all impacted soil. Confirmation soil samples from the side walls and floor of the excavation were below NMOCD standards for BTEX and TPH concentrations. A vacuum truck collected 15 barrels of impacted groundwater, which was transported to Basin Disposal SWD #1 for proper disposal. BTEX concentrations in samples collected from pooling groundwater were below NMWQCC standards.



FIGURES



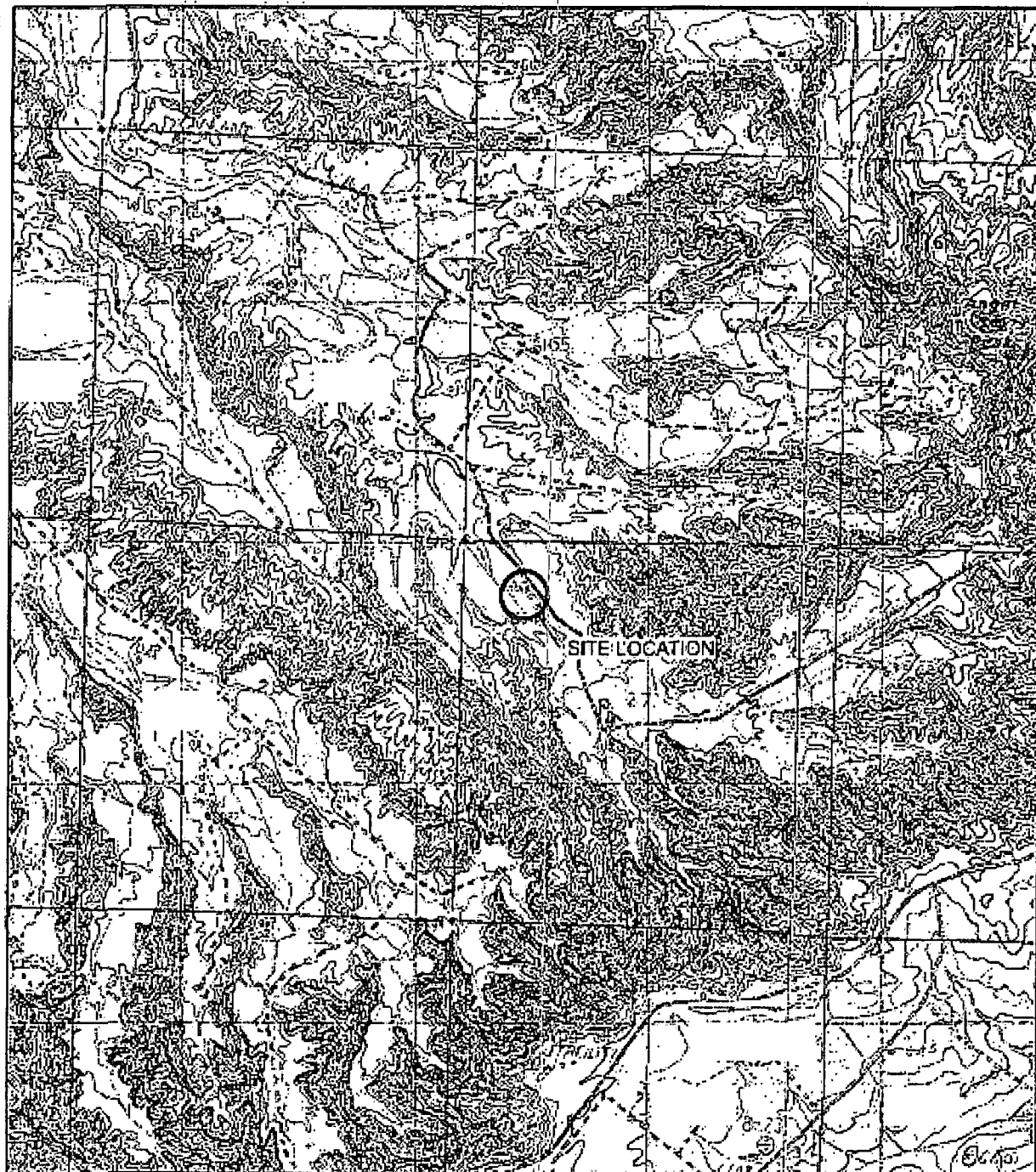


IMAGE COURTESY OF USDA/NRCS, VARIOUS DATES

LEGEND

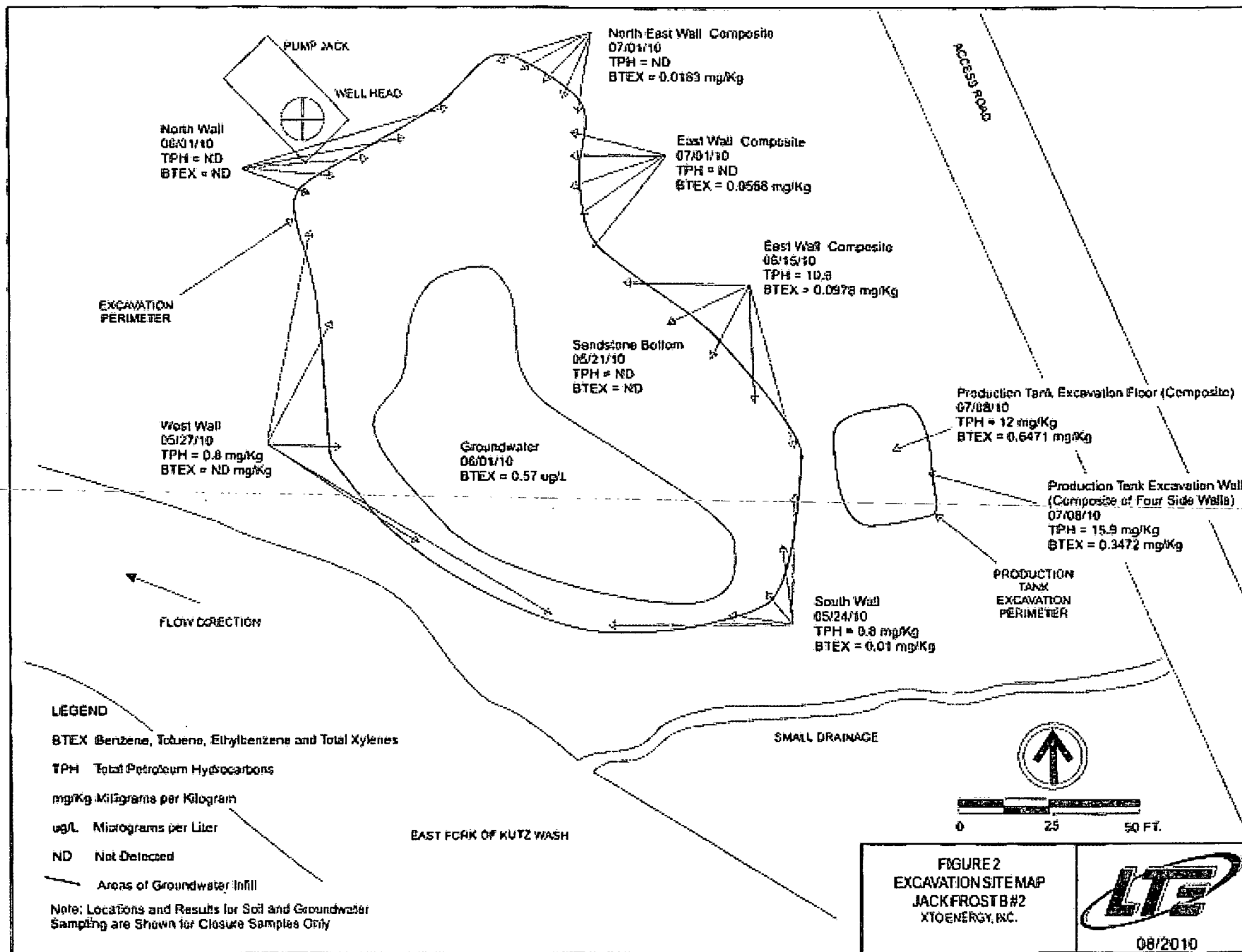
○ SITE LOCATION



FIGURE 1
SITE LOCATION MAP
JACK FROST B #2
SAN JUAN COUNTY, NEW MEXICO
XTO ENERGY, INC.



FIGURE 1: SITE LOCATION MAP, JACK FROST B #2, SAN JUAN COUNTY, NEW MEXICO



08/2010

TABLES



TABLE 1
SOIL ANALYTICAL RESULTS
JACK FROST #2
NTO ENERGY, INC.

Sample ID	Date Sampled	Field Headspace Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEN (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	TPH (mg/kg)
Sandstone Bottom*	5/21/2010		<0.0023	<0.0023	<0.0023	<0.0055	ND	<4.5	<0.56	ND
South Wall*	5/24/2010		0.0049	0.0047	<0.0030	<0.0032	0.01	0.3	0.5	0.3
West Wall*	5/27/2010		<0.00090	<0.0010	<0.0010	<0.0021	ND	<0.1	0.8	0.3
North Wall*	6/1/2010		<0.0023	<0.0023	<0.0027	<0.0052	ND	<4.4	<0.54	ND
East Wall Composite*	6/15/2010		0.0024	0.0085	0.0109	0.0762	0.0978	6.0	4.9	10.9
North Wall Composite	6/30/2010	1700	0.036	0.152	0.609	5.371	5.997	10.9	196	105.9
North East Wall Composite*	7/1/2010	25	0.0021	0.0025	0.0017	0.0120	0.0183	<0.1	<0.2	ND
East Wall Composite*	7/1/2010	140	0.0030	0.0055	0.0055	0.0129	0.0568	<0.3	<0.2	ND
West Wall Comp*	7/6/2010	2.1	0.0067	0.0078	<0.0040	0.0085	0.0240	<0.1	<0.2	ND
North Wall Comp*	7/6/2010	31.3	0.0299	0.0440	0.0097	0.0907	0.1741	14.3	15.4	39.7
Production Tank Excavation Floor*	7/8/2010	97	0.0024	0.0059	0.0054	0.0124	0.0473	6.6	5.4	12.0
Production Tank Excavation Wall*	7/8/2010	57.9	<0.0023	0.0115	0.0128	0.0229	0.0472	<0.3	15.9	15.9
NMOC/D Standard			10			50			100	

* - Indicates first confirmation sample

ppm - parts per million

mg/kg - milligrams per kilogram

BTEN - benzene, toluene, ethylbenzene, and total xylenes

DRO - Diesel Range Organics

GRO - Gasoline Range Organics

< indicates result is less than the stated laboratory method detection limit

ND - not detected

* - Indicates first confirmation sample

NMOC/D - New Mexico Oil Conservation Commission

Bold font indicates values exceeding NMOC/D standards

TPH analyzed by EPA Method 8015

BTEN analyzed by EPA Method 8211

Missing field screening data represents a time period when LFE was not on site for excavation overnight. ND) collected soil samples during this time.

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS
JACK FROST B #2
XTO ENERGY, INC.**

Sample ID	Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
Groundwater	6/1/2010	0.57	<5.0	<0.5	<1.5
NMWQCC Standard		10	750	750	620

Notes:

ug/L - micrograms per liter

NMWQCC - New Mexico Water Quality Control Commission

< indicates result is less than the stated laboratory method detection limit

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8021.