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

~~1448~~
8056

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

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

1
Operator XTO Energy, Inc. OGRID # 53 80
Address. #382 County Road 3100, Aztec, NM 87410
Facility or well name. E Scott Federal #13
API Number 3004506354 OCD Permit Number
U/L or Qtr/Qtr L Section 24 Township 27N Range 11W County: San Juan
Center of Proposed Design Latitude ~~36 57 54~~ 36.5582 Longitude ~~107 94 17~~ -107.9613 NAD ☐1927 ☐1983
Surface Owner ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2
☐ **Pit:** Subsection F or G of 19 15 17.11 NMAC
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 _____

RECEIVED
MAR 2011
OIL CONS. DIV. DIST. 3

3
☐ **Closed-loop System:** Subsection H of 19 15.17 11 NMAC
Type of Operation ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other
☐ Lined ☐ Unlined Liner type Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
Liner Seams ☐ Welded ☐ Factory ☐ Other

RECEIVED
SEP 2008
OIL CONS. DIV. DIST. 3

4
☒ **Below-grade tank:** Subsection I of 19 15 17.11 NMAC
Volume. 120 bbl Type of fluid Produced Water
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other Visible sidewalls, secondary containment, automatic overflow shut off
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

75

6.

Fencing: Subsection D of 19.15 17 11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

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

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

☐ Alternate Please specify_____

7.

Netting: Subsection E of 19 15 17 11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

8

Signs: Subsection C of 19 15 17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19 15.3.103 NMAC

9

Administrative Approvals and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15 17 NMAC for guidance

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

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

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

10

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	☐ Yes ☒ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application *(Applies to permanent pits)* - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	☐ Yes ☐ No ☒ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality, Written approval obtained from the municipality	☐ Yes ☒ No
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☒ No

11

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19 15 17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15 17 9 NMAC
- ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17 9 NMAC
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15 17 10 NMAC
- ☒ Design Plan - based upon the appropriate requirements of 19.15 17 11 NMAC
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17 12 NMAC
- ☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19.15 17.13 NMAC

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

12

Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15 17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15.17.9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17 10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15 17 11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15 17 9 NMAC and 19 15 17 13 NMAC

☐ Previously Approved Design (attach copy of design) API Number. _____

☐ Previously Approved Operating and Maintenance Plan API Number _____ *(Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)*

13

Permanent Pits Permit Application Checklist: Subsection B of 19 15 17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15.17 10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15 17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19 15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19 15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15 17.9 NMAC and 19 15 17 13 NMAC

14

Proposed Closure: 19.15.17 13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Closed-loop System ☐ Alternative

Proposed Closure Method. ☒ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☐ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15

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

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15 17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15 17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15 17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

16

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15.17 13 D NMAC)

Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name _____ Disposal Facility Permit Number: _____

Disposal Facility Name _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☐ No

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

☐ Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15.17.13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 17 13 NMAC

17

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database, Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality, Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain - FEMA map	☐ Yes ☐ No

18.

On-Site Closure Plan Checklist: (19 15.17 13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15 17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15.17.11 NMAC

☐ Protocols and Procedures - based upon the appropriate requirements of 19 15 17.13 NMAC

☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17 13 NMAC

☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15.17.13 NMAC

☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15 17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15.17 13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15.17.13 NMAC

19
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print) Kim Champlin Title: Environmental Representative

Signature: Kim Champlin Date: 8.29.08

e-mail address: kim_champlin@xtoenergy com Telephone: (505) 333-3100

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

OCD Representative Signature: Brandon Powell Jonathan D. Kelly 10/03/2011 **Approval Date:** 10-29-09

Title: Enviro/Spec Compliance Officer **OCD Permit Number:**

21
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☑ **Closure Completion Date:** 2/7/11

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): James McDaniel Title: EH&S Specialist

Signature: Date: 3/9/11

e-mail address: James_McDaniel@xtoenergy.com Telephone: 505-333-3701

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: James McDaniel
Address. 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name. E Scott Federal #13 (30-045-06354)	Facility Type: Gas Well (Dakota)

Surface Owner· Federal	Mineral Owner:	Lease No.:

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	24	27N	11W	1600	FSL	900	FWL	San Juan

Latitude: 36.5582 **Longitude:** -107.9613

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release. Unknown	Volume Recovered NA
Source of Release Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery· Unknown
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully *

Describe Cause of Problem and Remedial Action Taken *
The below grade tank was taken out of service at the E Scott Federal #13 well site due to the plugging and abandoning of this well site A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418 1 and 8015, benzene and BTEX via USEPA Method 8021, and for total chlorides The sample returned results below the 'Pit Rule' spill confirmation standards for benzene and total BTEX, but above the total chloride standard of 250 ppm at 300 ppm, and above the 100 ppm TPH standard at 330 ppm via USEPA Method 418 1, confirming that a release has occurred at this location The site was then ranked a 10 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases due to a depth to groundwater of over 100 feet, and a distance to surface water of over 200 feet. This set the closure standard to 1,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX

Describe Area Affected and Cleanup Action Taken *
The NMOCD Guidelines for the Remediation of Leaks, Spills and Releases does not cite a standard for chlorides, and all TPH results were below the 1,000 ppm standard determined for this location The sample returned results below the regulatory standards for all constituents analyzed No further action is necessary

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	
Title EH&S Specialist	Approval Date	Expiration Date
E-mail Address James_McDaniel@xtoenergy com	Conditions of Approval	Attached ☐
Date. 3/9/2011 Phone 505-333-3701		

* Attach Additional Sheets If Necessary

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

Lease Name: E Scott Federal #13
API No.: 30-045-06354
Description: Unit L, Section 24, Township 27N, Range 11W, 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 February 7, 2011

2 XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
Closure Date is February 7, 2011

3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
Required C-144 Form is attached to this document.

4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:
    Envirotech Permit No. NM01-0011 and IEI Permit No NM 01-0010B
        Soil contaminated by exempt petroleum hydrocarbons
        Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
    Basin Disposal Permit No. NM01-005
        Produced water
All liquids and sludge were removed from the tank prior to closure activities.

5 XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.
XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

6. XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.
All equipment has been removed due to the plugging and abandoning of the E Scott Federal #13 well site.

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

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

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	**BDL mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**BDL mg/kg**
TPH	EPA SW-846 418.1	100	**330 mg/kg**
Chlorides	EPA 300.1	250 or background	**300 mg/kg**

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
Due to a total chloride results of 300 ppm, and a TPH results of 330 ppm, it has been determined that a release has occurred at this location. The site was then ranked a 10 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases due to a depth to groundwater of over 100 feet, and a distance to surface water of over 200 feet. This set the closure standard to 1,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX. No chloride standard is cited in the Guidelines for the Remediation of Leaks, Spills and Releases, and the TPH resturned results below the 1,000 ppm standard determined for this site.. The sample returned results below the regulatory standard for all constituents analyzed. No further action is necessary.

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.
The pit cellar was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover.

10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally.
The notification will include the following:
    i. Operator's name
    ii. Well Name and API Number

iii. Location by Unit Letter, Section, Township, and Range
Notification was provided to Mr. Brandon Powell with the Aztec office of the OCD via email on February 2, 2011, 2010; 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 February 3, 2011; see attached letter and return receipt.

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
The location will be recontoured upon decommission of the additional well equipment utilized on location. Currently, a CDP and an additional well site occupy the same well pad, and will continue to operate.

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 location will be reclaimed upon decommission of the additional well equipment utilized on location. Currently, a CDP and an additional well site occupy the same well pad, and will continue to operate.

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; **None Found**
    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); **Upon decommission of all well pad equipment**
    viii. Photo documentation of the site reclamation. **NA**

James McDaniel /FAR/CTOC
02/02/2011 03:07 PM

To brandon.powell@state.nm.us
cc Martin Nee/FAR/CTOC@CTOC, Kim Champlin/FAR/CTOC@CTOC
bcc
Subject BGT Closure E Scott Federal #13

Brandon,

Please accept this email as the required notification for BGT closure activities at the E Scott Federal #13 (api #30-045-06354) Unit L, Section 24, Township 27N, Range 11W, San Juan County, New Mexico. We are closing this BGT due to the plugging and abandoning of this well location. Thank you for your time in regards to this matter.

James McDaniel
EH&S Specialist
XTO Energy, Inc.
Office # 505-333-3701
Cell # 505-707-0519

February 2, 2011

Mark Kelly,
Bureau of Land Management – Farmington Field Office
1235 La Plata Highway
Farmington, New Mexico, 87401

Re: E Scott Federal #13
Unit L, Section 24, Township 27N, Range 11W, San Juan County, New Mexico

Dear Mr. Kelly,

This submittal is pursuant to Rule 19.15.17.13 requiring operators to notify surface owners of the closure of a below grade tank pit. XTO Energy, Inc. (XTO) is hereby providing written documentation of our proposal to close the below grade tank pit associated with the above mentioned well site by waste excavation and removal.

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

Respectfully Submitted,

James McDaniel
EH&S Specialist
XTO Energy, Inc.
San Juan Division

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

BLM-FFO
MARK KELLY
1235 LA PLATA HWY
FARMINGTON, NM 87401

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7010 0780 0001 6436 9482

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

U.S. Postal Service™ E Sent Federal #13
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total	

FARMINGTON NM 87401 USPS 2010 Postmark Here

Sent To
Street, or PO
City, S

BLM-FFO
MARK KELLY
1235 LA PLATA HWY
FARMINGTON, NM 87401

PS Form See Reverse for Instructions

7010 0780 0001 6436 9482

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1-800-767-5859
Fax (615) 758-5859

Tax I D 62-0814289

Est 1970

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

Report Summary

Thursday February 10, 2011

Report Number: L500267
Samples Received: 02/03/11
Client Project:

Description: E Scott Federal #13

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By. Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ 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

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

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REPORT OF ANALYSIS

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

February 10,2011

ESC Sample # L500267-01

Date Received February 03, 2011
Description E Scott Federal #13

Site ID E SCOTT FEDERAL 13

Sample ID BGT CLOSURE COMPOSITE

Project #

Collected By James McDaniel
Collection Date 02/02/11 11 15

Parameter	Dry Result	Det Limit	Units	Method	Date	Dil
Chloride	300	11	mg/kg	9056	02/04/11	1
Total Solids	90		%	2540G	02/10/11	1
Benzene	BDL	0 0028	mg/kg	8021/8015	02/04/11	5
Toluene	BDL	0 028	mg/kg	8021/8015	02/04/11	5
Ethylbenzene	BDL	0 0028	mg/kg	8021/8015	02/04/11	5
Total Xylene	BDL	0 0084	mg/kg	8021/8015	02/04/11	5
TPH (GC/FID) Low Fraction	BDL	0 56	mg/kg	GRO	02/04/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	92 4		% Rec	8021/8015	02/04/11	5
a,a,a-Trifluorotoluene(PID)	97 6		% Rec	8021/8015	02/04/11	5
TPH (GC/FID) High Fraction	110	4 5	mg/kg	3546/DRO	02/05/11	1
Surrogate recovery(%)						
o-Terphenyl	62 3		% Rec	3546/DRO	02/05/11	1

Results listed are dry weight basis
BDL - Below Detection Limit
Det Limit - Practical Quantitation Limit(PQL)
Note

The reported analytical results relate only to the sample submitted
Reported 02/10/11 13 07 Printed 02/10/11 13 08

Summary of Remarks For Samples Printed
02/10/11 at 13 08 14

TSR Signing Reports 288
R5 - Desired TAT

No Energy fee Charge $10 Shipping Fee per Dave V 1/4/10 When transfering TS to a new dash # DO NOT charge a fee

Sample L500267-01 Account XTORNM Received 02/03/11 09 15 Due Date 02/10/11 00 00 RPT Date 02/10/11 13 07

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XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L500267

February 10, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chloride	< 10	mg/kg			WG520163	02/04/11 09 57
TPH (GC/FID) High Fraction	< 4	ppm			WG520192	02/05/11 01 49
o-Terphenyl		% Rec	90 77	50-150	WG520192	02/05/11 01 49
Benzene	< 0005	mg/kg			WG520256	02/04/11 15 10
Ethylbenzene	< 0005	mg/kg			WG520256	02/04/11 15 10
Toluene	< 005	mg/kg			WG520256	02/04/11 15 10
TPH (GC/FID) Low Fraction	< 1	mg/kg			WG520256	02/04/11 15 10
Total Xylene	< 0015	mg/kg			WG520256	02/04/11 15 10
a,a,a-Trifluorotoluene(FID)		% Rec	93 29	59-128	WG520256	02/04/11 15 10
a,a,a-Trifluorotoluene(PID)		% Rec	98 73	54-144	WG520256	02/04/11 15 10
Total Solids	< 1	%			WG520383	02/10/11 11 11

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	10000	10000	3 92	20	L500112-01	WG520163
Chloride	mg/kg	290	270	6 45	20	L500267-01	WG520163
Total Solids	%	90 0	89 6	0 300	5	L500284-03	WG520383

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Chloride	mg/kg	200	199	99 5	85-115	WG520163
TPH (GC/FID) High Fraction	ppm	60	49 2	81 9	50-150	WG520192
o-Terphenyl				83 09	50-150	WG520192
Benzene	mg/kg	05	0 0488	97 5	76-113	WG520256
Ethylbenzene	mg/kg	05	0 0492	98 5	78-115	WG520256
Toluene	mg/kg	05	0 0502	100	76-114	WG520256
Total Xylene	mg/kg	15	0 149	99 3	81-118	WG520256
a,a,a-Trifluorotoluene(PID)				97 39	54-144	WG520256
TPH (GC/FID) Low Fraction	mg/kg	5 5	5 32	96 7	67-135	WG520256
a,a,a-Trifluorotoluene(FID)				98 52	59-128	WG520256
Total Solids	%	50	50 1	100	85-155	WG520383

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/kg	198	199	99 0	85-115	0 504	20	WG520163
TPH (GC/FID) High Fraction	ppm	48 7	49 2	81 0	50-150	0 991	25	WG520192
o-Terphenyl				79 19	50-150			WG520192
Benzene	mg/kg	0 0488	0 0488	98 0	76-113	0 0500	20	WG520256

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

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XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L500267

February 10, 2011

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Ethylbenzene	mg/kg	0 0489	0 0492	98 0	78-115	0 630	20	WG520256
Toluene	mg/kg	0 0492	0 0502	98 0	76-114	2 10	20	WG520256
Total Xylene	mg/kg	0 147	0 149	98 0	81-118	1 12	20	WG520256
a,a,a-Trifluorotoluene(PID)				97 21	54-144			WG520256
TPH (GC/FID) Low Fraction	mg/kg	5 34	5 32	97 0	67-135	0 370	20	WG520256
a,a,a-Trifluorotoluene(FID)				98 54	59-128			WG520256

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/kg	523	13 0	500	102	80-120	L499810-03	WG520163
TPH (GC/FID) High Fraction	ppm	46 5	0	60	77 4	50-150	L500232-01	WG520192
o-Terphenyl					75 53	50-150		WG520192
Benzene	mg/kg	0 237	0	05	94 8	32-137	L500265-01	WG520256
Ethylbenzene	mg/kg	0 238	0 00932	05	91 6	10-150	L500265-01	WG520256
Toluene	mg/kg	0 245	0 0112	05	93 3	20-142	L500265-01	WG520256
Total Xylene	mg/kg	0 733	0 0490	15	91 2	16-141	L500265-01	WG520256
a,a,a-Trifluorotoluene(PID)					95 35	54-144		WG520256
TPH (GC/FID) Low Fraction	mg/kg	24 5	0	5 5	89 0	55-109	L500265-01	WG520256
a,a,a-Trifluorotoluene(FID)					97 13	59-128		WG520256

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	515	523	100	80-120	1 54	20	L499810-03	WG520163
TPH (GC/FID) High Fraction	ppm	45 6	46 5	76 0	50-150	1 86	25	L500232-01	WG520192
o-Terphenyl				72 59	50-150				WG520192
Benzene	mg/kg	0 230	0 237	91 8	32-137	3 20	39	L500265-01	WG520256
Ethylbenzene	mg/kg	0 229	0 238	87 7	10-150	4 16	44	L500265-01	WG520256
Toluene	mg/kg	0 233	0 245	88 6	20-142	4 89	42	L500265-01	WG520256
Total Xylene	mg/kg	0 697	0 733	86 4	16-141	4 95	46	L500265-01	WG520256
a,a,a-Trifluorotoluene(PID)				95 70	54-144				WG520256
TPH (GC/FID) Low Fraction	mg/kg	22 9	24 5	83 1	55-109	6 90	20	L500265-01	WG520256
a,a,a-Trifluorotoluene(FID)				96 38	59-128				WG520256

Batch number /Run number / Sample number cross reference

WG520163	R1564489	L500267-01
WG520256	R1564589	L500267-01
WG520192	R1564770	L500267-01
WG520383	R1570731	L500267-01

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

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XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L500267

February 10, 2011

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report

Method Blank - an aliquot of reagent water carried through the entire analytic process The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control" If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes The percent recovery of the target analytes also has statistical control limits If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6" The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier

D029

Chain of Custody
Page___of___

Company Name/Address	Alternate Billing	Analysis/Container/Preservative
XTO Energy, Inc. **382 County Road 3100** **Aztec, NM 87410**	XTORNM031810S	BTEX (8021) 1-4oz Ccc / DRO/GRO (8015) 1-4oz Ccc / Chlorides 1-4oz Ccc

Report to James McDaniel

E-mail to James_McDaniel@xtoenergy com

Prepared by

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

Project Description	City/State Collected
E Scott Federal #13	Hilltop, NM

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

Collected by James McDaniel	Site/Facility ID#	P O #
	E Scott Federal #13	—

Collected by(signature)

Packed on Ice N___ Y X

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

Date Results Needed

Email?___No_X__Yes
FAX?___No___Yes

CoCode (lab use only)
XTORNM
Template/Prelogin

Shipped Via Fed Ex

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	Remarks/contaminant	Sample # (lab only)
BGT Closure Composite	Comp	SS	—	2/2/11	1115	1		L500267-01
								L500267

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

pH_____ Temp_____

Remarks

Flow_____ Other_____

Relinquisher by (Signature	Date	Time	Received by (Signature)	Samples returned via FedEx_X_ UPS__Other__	Condition (lab use only)
	2/2/11	1527		434198021628	OK
Relinquisher by (Signature	Date	Time	Received by (Signature)	Temp 2.6°C / Bottles Received 1	COC Sent
Relinquisher by (Signature	Date	Time	Received for lab by (Signature) Matthew Morland	Date 2/3/11 / Time 09:15	pH Checked / NCF

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, February 14, 2011

James McDaniel
XTO Energy
382 County Road 3100
Aztec, NM 87410

TEL: (505) 787-0519
FAX (505) 333-3280

RE: Scott E Federal #13

Order No.: 1102230

Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/9/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Feb-11*

CLIENT:	XTO Energy	**Client Sample ID:**	BGT Closure Comp
Lab Order:	1102230	**Collection Date:**	2/2/2011 11:15:00 AM
Project:	Scott E Federal #13	**Date Received:**	2/9/2011
Lab ID:	1102230-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	330	20		mg/Kg	1	2/14/2011

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Scott E Federal #13 **Work Order:** 1102230

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 418.1: TPH											
Sample ID: MB-25592		*MBLK*				Batch ID:	**25592**	Analysis Date:			2/14/2011
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-25592		*LCS*				Batch ID	**25592**	Analysis Date			2/14/2011
Petroleum Hydrocarbons, TR	92.96	mg/Kg	20	100	0	93 0	81.4	118			
Sample ID: LCSD-25592		*LCSD*				Batch ID	**25592**	Analysis Date.			2/14/2011
Petroleum Hydrocarbons, TR	95 80	mg/Kg	20	100	0	95 8	81.4	118	3.01	8 58	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY | Date Received 2/9/2011

Work Order Number 1102230 | Received by: MMG

Checklist completed by: Signature 2/9/11 Date | Sample ID labels checked by: Initials

Matrix | Carrier name. Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐	
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑		
Chain of custody present?	Yes ☐	No ☑			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:	
Water - VOA vials have zero headspace? No VOA vials submitted	☑	Yes ☐	No ☐		
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑		
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	<2 >12 unless noted below	
Container/Temp Blank temperature?	4.6°	<6° C Acceptable If given sufficient time to cool			

COMMENTS:

Client contacted _____ Date contacted _____ Person contacted _____

Contacted by _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: XTO

Mailing Address: 382 Rd 3100
Aztec NM 87410

Phone #: (505) 787-0519

email or Fax#: james.mcdaniel@xtoenergy.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Scott E Federal #13

Project #:

Project Manager: James McDaniel

Sampler: James McDaniel

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1102230	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
2/2/11	11:15	Soil	BGT Closure Comp	1-4oz	Cool	-1				X												

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/4/11	1242		Christa Waeta	2/4/11	1242
2/7/11	1400	Christine Walters	Michael Gin	2/9/11	9:30

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

XTO Energy, Inc.
E Scott Federal #13
Section 24, Township 27N, Range 11W
Closure Date 2/7/2011

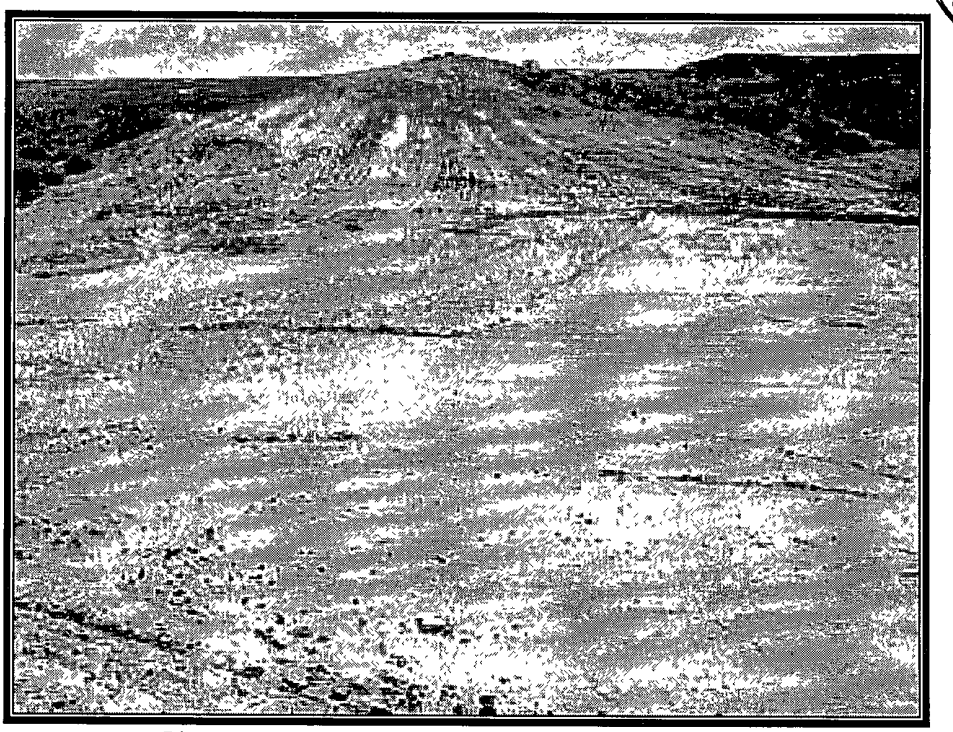

Photo 1: E Scott Federal #13 after Backfill (view 1)

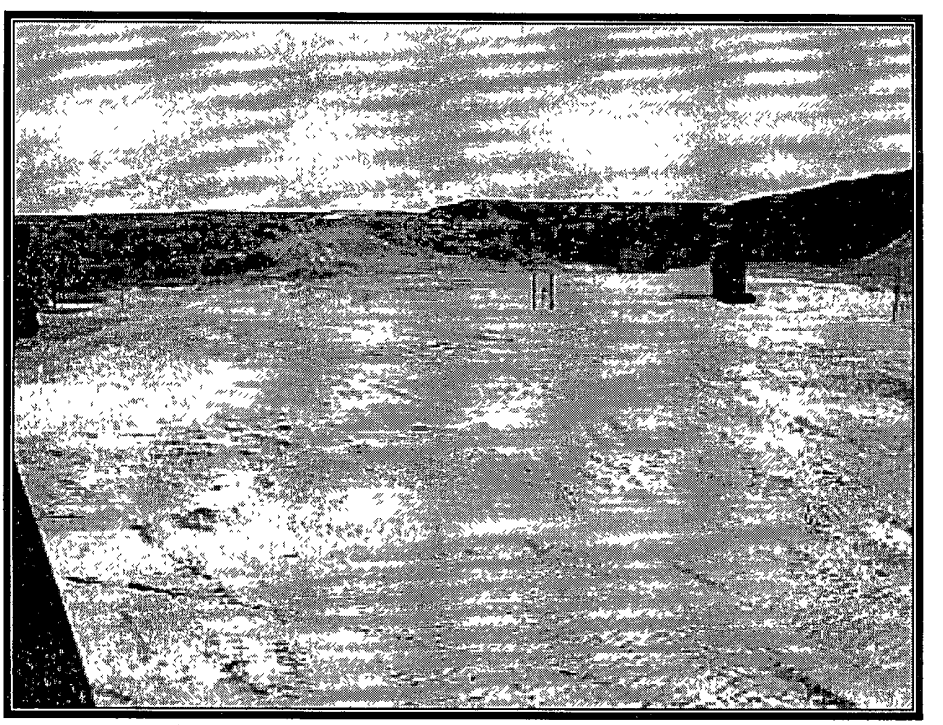

Photo 2: E Scott Federal #13 after Backfill (view 2)