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.

RECEIVED
JAN 22 2015
NMOCD
DISTRICT III

Pit, Below-Grade Tank, or
12597 Proposed Alternative Method Permit or Closure Plan Application

Type of action: 45-08364
- ☐ 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

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: **XTO Energy Inc** OGRID #: **5380**
Address: **382 Road 3100 Aztec, NM 87410**
Facility or well name: **Bruington Gas COM #1**
API Number: **30-045-08364** OCD Permit Number:
U/L or Qtr/Qtr: **E** Section **14** Township: **29N** Range: **11W** County: **San Juan**
Center of Proposed Design: Latitude **36.728996** Longitude **-107.967418** NAD: ☐ 1927 ☒ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☒ **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, vaulted, automatic high level shut off**
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **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)*
☐ 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_____

22

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. ☐ Yes ☐ No ☐ NA
- ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . ☐ Yes ☐ No ☐ NA
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

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)** ☐ Yes ☐ No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

Within an unstable area. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Within a 100-year floodplain. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- FEMA map

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). ☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. ☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

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.) ☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. ☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

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 300feet of any other fresh water well or spring, in existence at the time of the initial application. ☐ Yes ☐ No
NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

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 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

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	☐ Yes ☐ No ☐ 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	☐ 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 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	☐ 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 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	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ 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
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 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

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:** 2/23/15

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:** November 2, 2011

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

22.

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: **EHS Supervisor**

Signature: Date: 1/20/15

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

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

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: **Bruington Gas COM #1**	Facility Type: Gas Well (Basin Dakota)

Surface Owner: **Private**	Mineral Owner	API No. **30-045-08364**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	**14**	**29N**	**11W**	**1470**	**FNL**	**930**	**FWL**	**San Juan**

Latitude: N 36.728996 **Longitude: W** -107.967418

NATURE OF RELEASE

Type of Release: None	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Historical Earthen Pit	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: November 1, 2011
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. Unknown	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
During the excavation of historically impacted soil in 2011, the below grade tank was removed. 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 in November of 2011, 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. 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 ☐
Date: 1/20/15 Phone: **505-333-3701**		

* Attach Additional Sheets If Necessary

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

Lease Name: **Bruington Gas COM #1**
API No.: **30-045-08364**
Description: **Unit E, Section 14, Township 29N, 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 November 2, 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 November 2, 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 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 approved in November of 2011.

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 surface owner specifications 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

StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 43A	BRUINGTON GAS COM	Reynolds, Jamie	Bramwell, Chris	BRUINGTON GC 01	3004508364	14	11W	29N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
Tony Breadmont	08/20/2008	09:37	No	No	No	No	No	2	Compressor Water Pit	Below Ground	
Tony Breadmont	09/25/2008	11:04	No	No	No	No	No	2	Compressor Water Pit	Below Ground	
Tony Breadmont	10/27/2008	07:57	No	No	No	No	No	2	Compressor Water Pit	Below Ground	
Tony Breadmont	11/01/2008	06:50	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from seperator discharge
Tony Breadmont	12/02/2008	08:00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from seperator discharge
Tony Breadmont	01/07/2009	08:15	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
Tony Breadmont	02/24/2009	07:00	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
Tony Breadmont	03/21/2009	08:00	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
Tony Breadmont	04/11/2009	12:16	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
Tony Breadmont	05/04/2009	11:07	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
L Ross	06/01/2009	08:50	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
L Ross	07/06/2009	12:32	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
L Ross	08/06/2009	10:45	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
tb	09/03/2009	01:08	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
tb	10/05/2009	11:12	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from seperator discharge
tb	11/04/2009	02:00	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
tb	12/10/2009	11:07	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
tb	01/05/2010	09:01	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	02/03/2010	12:36	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	03/13/2010	03:18	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	04/11/2010	10:26	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
tb	05/07/2010	11:48	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	06/02/2010	03:44	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	07/04/2010	08:12	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	08/03/2010	08:31	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	09/12/2010	11:49	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	10/06/2010	12:30	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	11/04/2010	12:47	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
rf	12/04/2010	12:38	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from seperator discharge
TB	01/21/2011	12:37	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
TB	02/12/2011	01:24	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from seperator discharge
TB	03/05/2011	10:46	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
TB	04/04/2011	01:29	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
TB	05/11/2011	01:29	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
AW	06/29/2011	01:29	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	
AW	07/20/2011	01:29	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge

AW	08/07/2011	01:29	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
AW	09/15/2011	01:29	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
AW	10/19/2011	01:29	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from seperator discharge
jj	05/16/2012	11:44	No	No	No	Yes	No	2	Well Water Pit	Above Ground	Oil from seperator discharge
jr	07/10/2012	02:12	No	No	No	Yes	No	2	Well Water Pit	Above Ground	

XTO Energy Inc.
Bruington Gas COM #1 (30-045-08364)
Section 14 (E), Township 9N, Range 11W
Closure Date: November 2, 2011

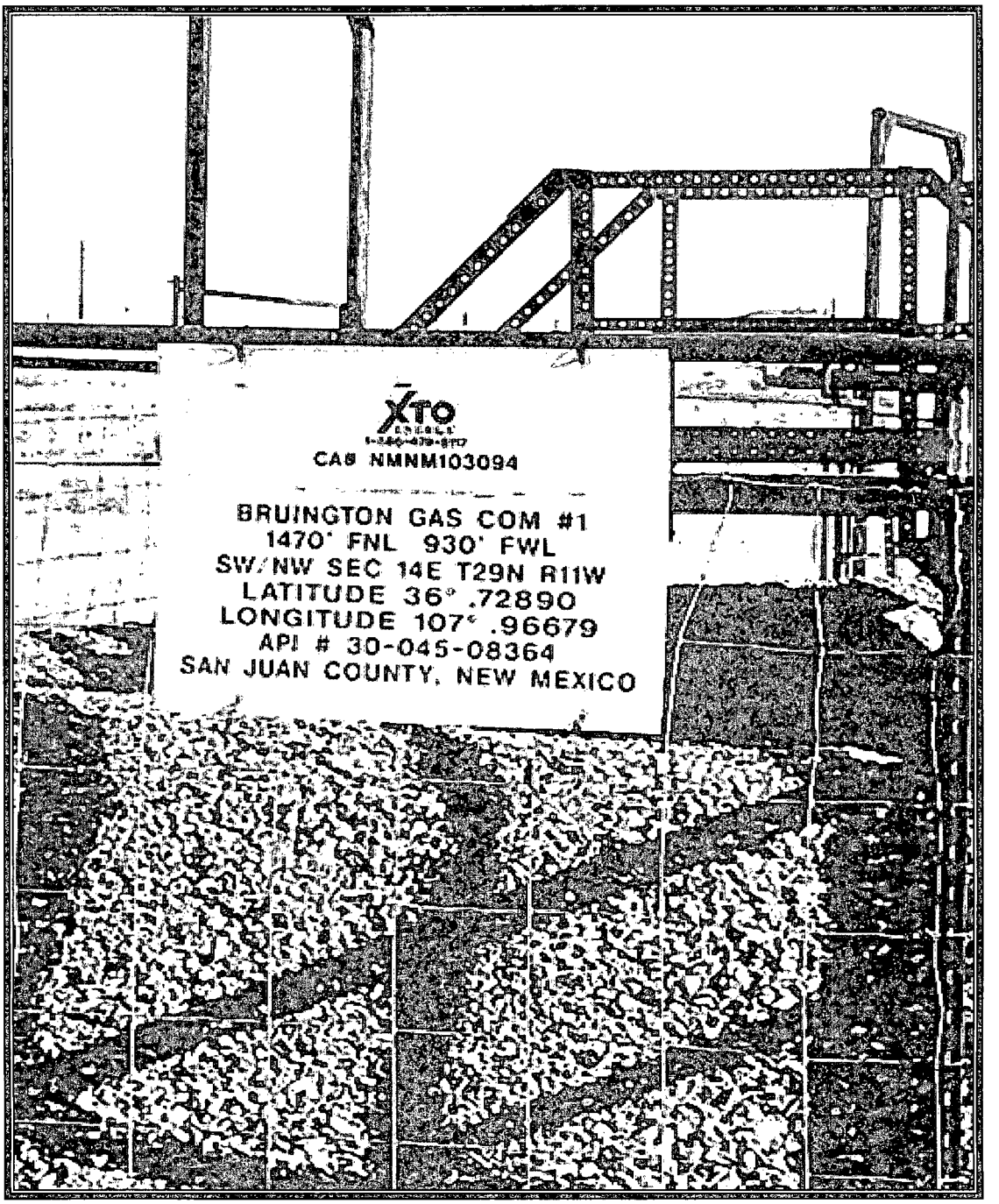

Photo 1: Bruington Gas COM #1 Former Location of BGT

XTO Energy Inc.
Bruington Gas COM #1 (30-045-08364)
Section 14 (E), Township 9N, Range 11W
Closure Date: November 2, 2011

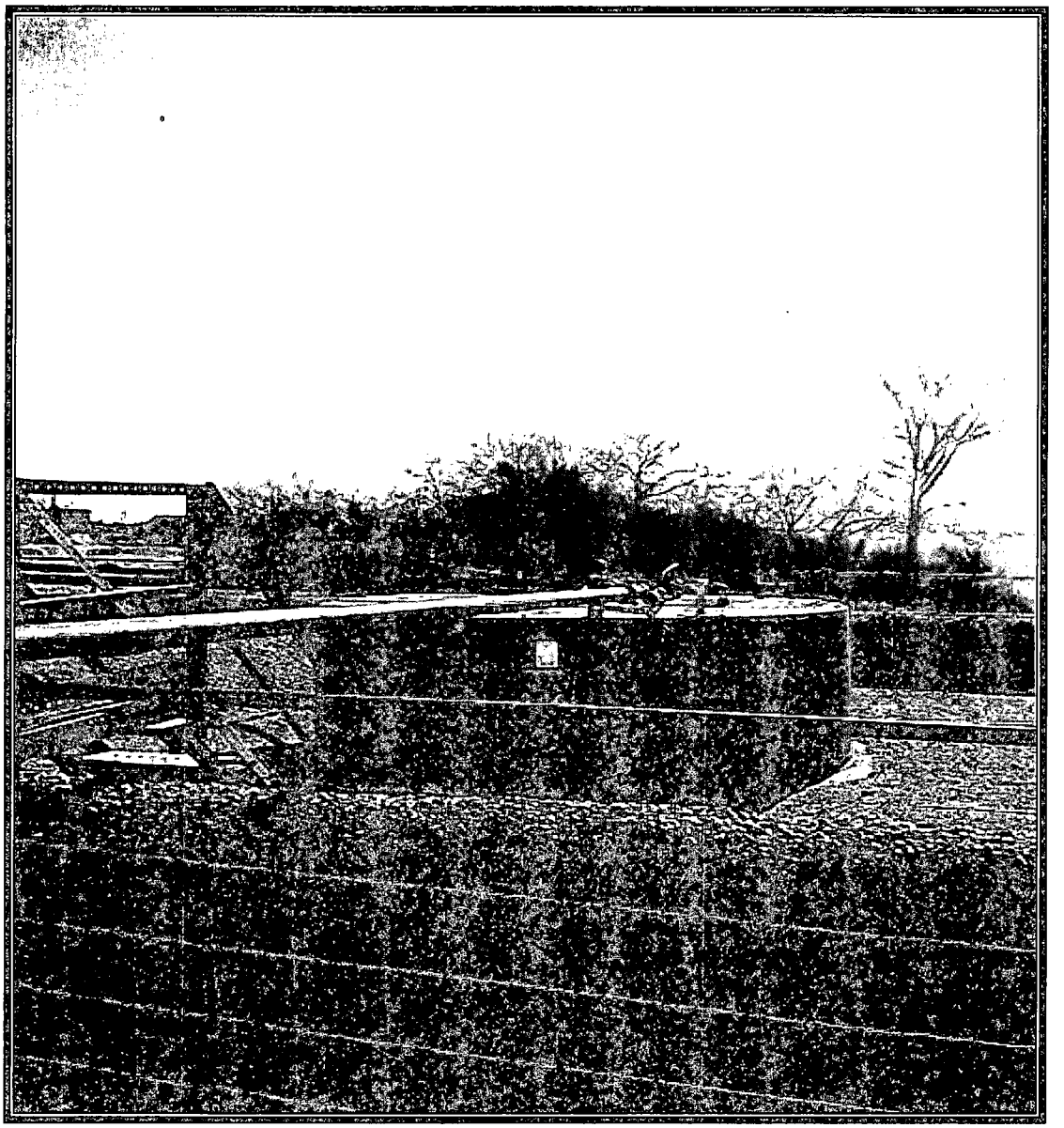

Photo 2: Bruington Gas COM #1 Former Location of BGT

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

30-045-08364

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: Bruington Gas COM #1 (30-045-08364)	Facility Type: Gas Well (Dakota)

Surface Owner: Private	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
E	14	29N	11W	1470	FNL	930	FWL	San Juan

Latitude: 36.7289 **Longitude:** -107.9668

RCVD NOV 10 '11
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release: Condensate
Volume of Release: unknown
Volume Recovered: none
Source of Release: Leaking Dump Line
Date and Hour of Occurrence: unknown
Date and Hour of Discovery: November 1, 2011 - 1200
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required
If YES, To Whom?

To 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.*
On November 1, 2011, while performing routine maintenance activities, a crew noticed some staining approximately 2' BGS near the compressor at the Bruington Gas COM #1 well site. The crew excavated further and found the dump line to the production tank had a pinhole leak, and was leaking condensate into the surrounding soil. The site was then ranked according 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 distance of less than 200 feet to a nearby irrigation ditch. This set the closure standards to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.*
On November 2, 2011, Nelson Revegitation was on-site to oversee spill excavation activities. Approximately 58 cubic yards of impacted soil was removed to extents of 15' x 25' x 3-7' deep. A sloping sandstone was discovered at the bottom of the excavation, resulting in an excavation floor that varies from 3-7' deep. Two (2) composite samples were collected at these extents. One (1) composite sample was collected of the four (4) walls of the excavation, and one (1) composite was collected from the sandstone floor. Both samples were analyzed for DRO/GRO via USEPA Method 8015 and for BTEX via USEPA Method 8021. Both samples returned results below the regulatory standard determined for this site. Applicable analytical results and bills of lading are attached for your reference. All impacted soils were hauled to IEI

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

OIL CONSERVATION DIVISION

Signature:

Approved by District Supervisor:

Printed Name: James McDaniel, CHMM #15676

Title: EH&S Supervisor

Approval Date: 11/12 Expiration Date:

E-mail Address: James ener com

Conditions of Approval: Attached ☐

Date: 11/7/2011 Phone: 505-333-3701

CERTIFIED JAMES P. MCDANIEL 15676 CHMM EXPIRES MAY 16, 2016 ENVIRONMENTAL MANAGER

nJK1201238485

9

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, November 07, 2011

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

TEL: (505) 333-3100
FAX (505) 333-3280

RE: Bruington Gas Com #1

Order No.: 1111232

Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 11/3/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Andy Freeman
Laboratory Manager

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Nov-11*
Analytical Report

CLIENT:	XTO Energy	**Client Sample ID:**	Sandstone@7'
Lab Order:	1111232	**Collection Date:**	11/2/2011 1:35:00 PM
Project:	Bruington Gas Com #1	**Date Received:**	11/3/2011
Lab ID:	1111232-01	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JAL**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/3/2011 3:10:45 PM
Surr: DNOP	90.3	73.4-123		%REC	1	11/3/2011 3:10:45 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/3/2011 3:22:23 PM
Surr: BFB	95.9	75.2-136		%REC	1	11/3/2011 3:22:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.050		mg/Kg	1	11/3/2011 3:22:23 PM
Toluene	ND	0.050		mg/Kg	1	11/3/2011 3:22:23 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/3/2011 3:22:23 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/3/2011 3:22:23 PM
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	11/3/2011 3:22:23 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Nov-11*
Analytical Report

CLIENT:	XTO Energy	**Client Sample ID:**	Wall Composite
Lab Order:	1111232	**Collection Date:**	11/2/2011 2:00:00 PM
Project:	Bruington Gas Com #1	**Date Received:**	11/3/2011
Lab ID:	1111232-02	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JAL**
Diesel Range Organics (DRO)	50	9.9		mg/Kg	1	11/3/2011 3:45:23 PM
Surr: DNOP	94.5	73.4-123		%REC	1	11/3/2011 3:45:23 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	11/3/2011 3:51:18 PM
Surr: BFB	126	75.2-136		%REC	5	11/3/2011 3:51:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.25		mg/Kg	5	11/3/2011 3:51:18 PM
Toluene	ND	0.25		mg/Kg	5	11/3/2011 3:51:18 PM
Ethylbenzene	ND	0.25		mg/Kg	5	11/3/2011 3:51:18 PM
Xylenes, Total	ND	0.50		mg/Kg	5	11/3/2011 3:51:18 PM
Surr: 4-Bromofluorobenzene	105	80-120		%REC	5	11/3/2011 3:51:18 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Bruington Gas Com #1 **Work Order:** 1111232

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-29205		*MBLK*				Batch ID:	**29205**	Analysis Date:	11/3/2011 2:02:12 PM		
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Sample ID: LCS-29205		*LCS*				Batch ID:	**29205**	Analysis Date:	11/3/2011 2:36:18 PM		
Diesel Range Organics (DRO)	44.35	mg/Kg	10	50	0	88.7	66.7	119			
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML-RB		*MBLK*				Batch ID:	**R48834**	Analysis Date:	11/3/2011 10:05:06 AM		
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R48834**	Analysis Date:	11/3/2011 12:29:23 PM		
Benzene	1.033	mg/Kg	0.050	1	0	103	83.3	107			
Toluene	1.049	mg/Kg	0.050	1	0	105	74.3	115			
Ethylbenzene	1.051	mg/Kg	0.050	1	0	105	80.9	122			
Xylenes, Total	3.162	mg/Kg	0.10	3	0	105	86.2	123			

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. 11/3/2011

Work Order Number 1111232 | Received by. LNM

Checklist completed by: Signature Michelle Garcia Date 11/3/11 | Sample ID labels checked by: Initials MG JAT

Matrix. | Carrier name: Courier

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?	3.9°	*<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 Energy

Mailing Address: 382 CR 3100
Aztec, NM 87410

Phone #: 505-787-0519

email or Fax#:

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

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: 11-4
☐ Standard ☑ Rush NEXT DAY

Project Name: BRUNINGTON GAS COM # 1

Project #:

Project Manager: James McDaniel

Sampler: Joshua Kirchner

On Ice: ☑ Yes ☐ No

Sample Temperature:

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. 1201512	8015 TPH - GRO/DRO	8021 BTEX	418.1 TPH	Chloride	TCLP Metals	RCRA 8 Metals	Air Bubbles (Y or N)
		MeOH	11/3/11				Analysis Request						
11-2	1335	SOIL	SANDSTONE @ T	4oz	COOL	-1	✓	✓					
11-2	1406	SOIL	WALL COMPOSITE	4oz	COOL	-2	✓	✓					

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-2-11	1532			11/2/11	1532
Date:	Time:	Relinquished by:	Received by:	Date	Time
11/2/11	1601			11/3/11	0740

Remarks: cc to joshua@nelsonreveg.com

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.

18096

Industrial Ecosystems Inc.
#49 C.R. 3150 • Aztec, NM 87410
Phone: 505-632-1782 • Fax: 505-632-1876

Unit: DT-03, 503S
Employee: Kelly
Contact: Tony Espinosa
Date: 11-2-11
PO#:
Billing Code:

Customer XTO

Location Name Bruington GC #1

☐ Jicarilla Apache Land ☐ Southern Ute Land

LABOR		HRS/UNITS		RATE		TOTAL
Equipment Operator	41000.1		Hours/Day	$	Per hour/day	$
General Laborer	41000.1		Hours	$	Per hour	$
Project Manager	41000.1		Hours	$	Per hour	$
Per Diem	41000.1		Hours	$	Per day/man	$
Travel Time	41000.1		Hours	$	Per hour	$
EQUIPMENT						
4wd Pickup	42000.1		Miles	$	Per mile	$
12yd Dump Truck	42000.1		Hours	$	Per hour	$
18yd Side Dump	42000.1		Hours	$	Per hour	$
Backhoe with Operator	42000.1		Hours	$	Per hour	$
Loader with Operator	42000.1		Hours	$	Per hour	$
Excavator with Operator	42000.1		Hours	$	Per hour	$
One Ton Truck	42000.1		Hours/Day	$	Per hour/day	$
Portable Pressure Wash	42000.1		Hours/Day		Per hour/day	$
Portable Pres. Wash Unit	42000.1		Hours	$	Per hour	$
80 Barrel Vacuum Truck	42000.1		Hours	$	Per hour	$
King Vac Truck with Crew	42000.1		Hours	$	Per hour	$
Skid Steer	42000.1		Hours	$	Per hour	$
Mileage	42000.1		Miles	$	Per mile	$
SCBA (Breathing Apparatus)	42000.1		Day	$	Per day	$
SCBA Refill	42000.1		Each	$	Per Refill	$
LEL,O^2,H^2S Monitoring	42000.1		Day	$	Per day	$
SERVICES						
Chloride Test	45000.2		Each	$	Per test	$
Mobile Dewatering	42100.1		Hours/Day	$	Per hour/day	$
Mob/Demob	42100.1		Hours	$	Per hour	$
Monthly Maintenance	45000.1		Month	$	Per month	$
SUPPLIES						
Soap/Degreaser			Gallons	$	Per gallon	$
Misc. Description:			Each	$	Per:	$
Virgin Soil/Gravel	45500.2	220	Cubic yard	$5.50	Per yard	$ 110.00
DISPOSAL & MISC.						
Disposal Fee (solids)	44000.2	45	Cubic yard	$20.00	Per yard	$ 900.00
Disposal Fee (liquids)	44100.2		Per barrel	$	Per barrel	$
Facility Use Fee	42000.2		Each	$	Each	$
					Sub Total	1,070.00
					Tax San Juan County	
					Total 10%	107.00
						$1963.00

Comments: Cont Sol

Employee Signature

Customer Signature

FOR BILLING INQUIRIES PLEASE CALL (505) 632-1782

AMOUNTS ARE DUE NET 30 DAYS. PURCHASER AGHEES TO PAY FINANCE CHARGES OF 1 5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) OR A MINIMUM CHARGE OF .50 PER MONTH ACCOUNTS THAT HAVE BEEN PLACED FOR COLLECTION WILL BE CHARGED A $100 00 COLLECTION FEE IN ADDITION TO REASONABLE ATTORNEY FEES AND COLLECTION CHARGES