

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

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.

2008 DEC 8 PM 4 37

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

11609

- 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 #: 5380  
 Address: #382 County Road 3100, Aztec, NM 87410  
 Facility or well name: HANCOCK GAS COM # 1E  
 API Number: 30-045-25250 OCD Permit Number: \_\_\_\_\_  
 U/L or Qtr/Qtr L Section 15 Township 30N Range 12W County: San Juan  
 Center of Proposed Design: Latitude 36.810783 Longitude 106.091816 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 \_\_\_\_\_

RCVD JAN 3 '14  
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 \_\_\_\_\_

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, vaulted, automatic high-level shut off, no liner  
 Liner type: Thickness \_\_\_\_\_ mil  HDPE  PVC  Other \_\_\_\_\_

5.  Alternative Method:  
 Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.

**Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)

- Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
- Four foot height, four strands of barbed wire evenly spaced between one and four feet
- Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing

7.

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

- Screen  Netting  Other Expanded metal or solid vaulted top
- Monthly inspections (If netting or screening is not physically feasible)

8.

**Signs:** Subsection C of 19.15.17.11 NMAC

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

9.

**Administrative Approvals and Exceptions:**

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

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

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

10.

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

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

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

11.

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC

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

- Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC

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

- Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_

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

13.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

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

- Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Climatological Factors Assessment
- Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- Quality Control/Quality Assurance Construction and Installation Plan
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Nuisance or Hazardous Odors, including H<sub>2</sub>S, 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 identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

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

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

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

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

Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

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

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

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

18.

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

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
- Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

**Operator Application Certification:**

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

Name (Print): Kim Champlin Title: Environmental Representative

Signature: Kim Champlin Date: 11.25.08

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: [Signature] Approval Date: 10/16/13

Title: Senior Hydrologist OCD Permit Number: [Signature]

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: 10/29/13

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 identify 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, CHNM #15676 Title: EHS Supervisor

Signature: [Signature] Date: 12/20/13

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



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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

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

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: Hancock Gas COM #1E	Facility Type: Gas Well

Surface Owner: Fee	Mineral Owner	API No.: 30-045-25250
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	15	30N	12W	1710	FSL	890	FEL	San Juan

Latitude 36.810783      Longitude -108.091816

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: October 29, 2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

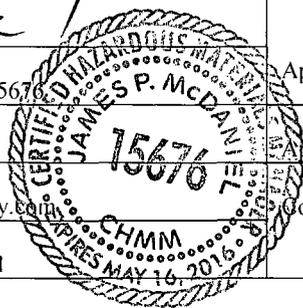
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.  
The below grade tank (BGT) was taken out of service at the Hancock Gas COM #1E well site due to facility upgrades. The soil beneath the BGT was sampled for TPH via USEPA Method 418.1 and 8015M, for benzene and total BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards benzene, total BTEX and chlorides, but above the 100 mg/kg 'pit rule' standard for TPH at 184 mg/kg via USEPA Method 418.1, confirming that a release had occurred. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 50 due to a distance of less than 50 feet to groundwater, a distance of less than 1,000 feet to a significant watercourse, and a distance to a water well of less than 1,000 feet. This set the closure standards to 100 mg/kg TPH, 10 mg/kg Benzene and 50 mg/kg total BTEX.

Describe Area Affected and Cleanup Action Taken.  
A release has been confirmed for this location.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: James McDaniel, CHMM #15676	Approved by Environmental Specialist:	
Title: EHS Supervisor	Approval Date:	Expiration Date:
E-mail Address: james_mcdaniel@xtoenergy.com	Conditions of Approval:	
Date: 12/26/13 Phone: 505-333-3701	Attached <input type="checkbox"/>	



\* Attach Additional Sheets If Necessary

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

**Lease Name: Hancock Gas COM #1E**

**API No.: 30-045-25250**

**Description: Unit L, Section 15, Township 30N, Range 12W, 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 October 29, 2013**
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 October 29, 2013**
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 location 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.

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

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.0030 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.0449 mg/kg
TPH	EPA SW-846 418.1	100	184 mg/kg
Chlorides	EPA 300.1	250 or background	32 mg/kg
TPH	EPA 8015M	100	36.3 mg/kg

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.

**Due to TPH results of 184 ppm via USEPA Method 418.1, a release has been confirmed for this location. Remediation activities are outlined in the attached form C-141.**

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 October 21, 2013; 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 October 21, 2013 by a letter, return receipt requested. A copy of the proof of notification is attached for your reference.**

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 of this well location.**
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 pursuant to landowner specifications upon the plugging and abandoning of this well location.**
14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
  - i. Proof of closure notice to division and surface owner; **attached**
  - ii. Details on capping and covering, where applicable; **per OCD Specifications**
  - iii. Inspection reports; **attached**
  - iv. Confirmation sampling analytical results; **attached**
  - v. Disposal facility name(s) and permit number(s); **see above**
  - vi. Soil backfilling and cover installation; **per OCD Specifications**
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **NA**
  - viii. Photo documentation of the site reclamation. **attached**

## Hixon, Logan

---

**From:** Hixon, Logan  
**Sent:** Thursday, October 24, 2013 11:01 AM  
**To:** BRANDON POWELL (brandon.powell@state.nm.us); Jonathan Kelly (jonathan.kelly@state.nm.us)  
**Cc:** McDaniel, James; Hoekstra, Kurt; Naegele, Otto  
**Subject:** BGT Closure Notification: Federal Gas Com 1-1B (30-045-30032), Gerk Gas Com B-1F (30-045-31286), Hancock Gas Com-1E (30-045-25250)

Brandon,

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

*-Federal Gas Com 1-1B (API 30-045-30032) located in Section 20 (B), Township 32N, Range 12W, San Juan County, New Mexico.*

*-Gerk Gas Com B-1F (API 30-045-31286) located in Section 19(O), Township 29N, Range 9W, San Juan County, New Mexico.*

*-Hancock Gas Com-1E (30-045-25250) Located in Section 15, Township 30N, Range 12W, San Juan County, New Mexico.*

These BGT's are being closed due to upgrades of the well sites.



*Thank You!*  
*Logan Hixon*  
*EHS Coordinator*  
*Western Division*  
*~382 CR 3100*  
*Aztec NM 87410*  
*Office (505)333-3683*

October 24<sup>th</sup>, 2013

Robert K & Marilyn E Campbell  
5425 Evergreen Dr.  
Farmington, NM 87402

Re: Hancock Gas Com B-1E

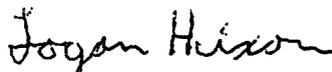
Unit L, Section 15, Township 30N, Range 12W, San Juan County, New Mexico

Robert K & Marilyn E Campbell,

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

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

Respectfully Submitted,

A handwritten signature in black ink that reads "Logan Hixon". The signature is written in a cursive, slightly slanted style.

Logan Hixon  
EHS Coordinator  
XTO Energy, Inc.  
Western Division

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <input checked="" type="checkbox"/> Agent  <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>R Campbell</u> C. Date of Delivery <u>10/25/13</u></p>
<p>1. Article Addressed to:</p> <p><u>Robert K + Marilyn E. Campbell</u>  <u>5425 Evergreen Dr.</u>  <u>Farmington, NM 87402</u></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No          If YES, enter delivery address below:</p> <p>3. Service Type  <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number          (Transfer from service label)</p>	<p><u>7009 2250 0003 8649 1963</u></p>

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

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
*(Domestic Mail Only; No Insurance Coverage Provided)*

\* For delivery information visit our website at [www.usps.com](http://www.usps.com)

FARMINGTON NM 87402

Postage	\$ 0.66	0410 OCT 24 2013 Postmark Here 10/24/2013
Certified Fee	\$3.10	
Return Receipt Fee (Endorsement Required)	\$2.55	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.31</b>	

Sent To: Robert K + Marilyn E. Campbell  
 Street, Apt. No., or PO Box No. 5425 Evergreen Dr.  
 City, State, ZIP+4 Farmington, NM 87402 LH

PS Form 3800, August 2006 See Reverse for Instructions

7009 2250 0003 8649 1963



## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0437

Samples Received: 11/5/2013 9:45:00AM

Job Number: 98031-0528

Work Order: P311004

Project Name/Location: Hancock GC #1E

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 11/7/13

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 11/7/13 11:06 am

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Hancock GC #1E Project Number: 98031-0528 Project Manager: Kuri Hoekstra	<b>Reported:</b> 07-Nov-13 11:19
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### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P311004-01A	Soil	11/05/13	11/05/13	Glass Jar, 4 oz.

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Hancock GC #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 07-Nov-13 11:19
---	--	------------------------------

**BGT Cellar**  
**P311004-01 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1345006	11/05/13	11/06/13	EPA 8015D	
Diesel Range Organics (C10-C28)	<b>36.3</b>	30.0	mg/kg	1	1345007	11/05/13	11/05/13	EPA 8015D	
GRO and DRO Combined Fractions	<b>36.2</b>	4.99	mg/kg		[CALC]	11/05/13	11/06/13	EPA 8015D	

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laboratory@envirotech-inc.com



XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Hancock GC #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 07-Nov-13 11:19
---	--	------------------------------

**Nonhalogenated Organics by 8015 - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1345006 - Purge and Trap EPA 5030A**

<b>Blank (1345006-BLK1)</b>				Prepared: 05-Nov-13 Analyzed: 06-Nov-13						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
<b>Duplicate (1345006-DUP1)</b>				Source: P311004-01 Prepared: 05-Nov-13 Analyzed: 06-Nov-13						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
<b>Matrix Spike (1345006-MS1)</b>				Source: P311004-01 Prepared: 05-Nov-13 Analyzed: 06-Nov-13						
Gasoline Range Organics (C6-C10)	0.48		mg/L	0.450	0.09	87.8	75-125			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Hancock GC #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 07-Nov-13 11:19
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**Nonhalogenated Organics by 8015 - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1345007 - DRO Extraction EPA 3550C**

<b>Blank (1345007-BLK1)</b>	Prepared & Analyzed: 05-Nov-13									
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
<b>Duplicate (1345007-DUP1)</b>	Source: P311004-01 Prepared & Analyzed: 05-Nov-13									
Diesel Range Organics (C10-C28)	33.9	29.9	mg/kg		36.3			6.75	30	
<b>Matrix Spike (1345007-MS1)</b>	Source: P311004-01 Prepared & Analyzed: 05-Nov-13									
Diesel Range Organics (C10-C28)	186	31.6	mg/kg	263	36.3	56.8	75-125			SPK1

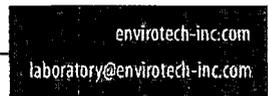
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Hancock GC #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	<b>Reported:</b> 07-Nov-13 11:19
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**Notes and Definitions**

- SPK1 The spike recovery for this QC sample is outside of control limits.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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Est. 1970

Logan Hixon  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

### Report Summary

Tuesday October 29, 2013

Report Number: L664358

Samples Received: 10/22/13

Client Project:

Description: Hancock Gas Com #1E

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 Richards , ESC Representative

#### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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

October 29, 2013

Logan Hixon  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

ESC Sample # : L664358-01

Date Received : October 22, 2013  
Description : Hancock Gas Com #1E

Site ID :

Sample ID : FARLH-1100-102113

Project # :

Collected By : Logan Hixon  
Collection Date : 10/21/13 11:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	32.	12.	mg/kg	9056	10/24/13	1
Total Solids	83.9	0.100	%	2540 G-2011	10/29/13	1
Benzene	BDL	0.0030	mg/kg	8021B	10/23/13	5
Toluene	BDL	0.030	mg/kg	8021B	10/23/13	5
Ethylbenzene	BDL	0.0030	mg/kg	8021B	10/23/13	5
Total Xylene	BDL	0.0089	mg/kg	8021B	10/23/13	5
Surrogate Recovery(%) a,a,a-Trifluorotoluene (PID)	100.		% Rec.	8021B	10/23/13	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 10/29/13 11:40 Printed: 10/29/13 11:40

Summary of Remarks For Samples Printed  
10/29/13 at 11:40:18

TSR Signing Reports: 288  
R5 - Desired TAT

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James,  
Kurt and Logan all reports

Sample: L664358-01 Account: XTORNM Received: 10/22/13 09:00 Due Date: 10/29/13 00:00 RPT Date: 10/29/13 11:40



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XTO Energy - San Juan Division  
 Logan Hixon  
 382 County Road 3100

Quality Assurance Report  
 Level II

Aztec, NM 87410

October 29, 2013

L664358

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG688524	10/23/13 14:04
Ethylbenzene	< .0005	mg/kg			WG688524	10/23/13 14:04
Toluene	< .005	mg/kg			WG688524	10/23/13 14:04
Total Xylene	< .0015	mg/kg			WG688524	10/23/13 14:04
a, a, a-Trifluorotoluene (PID)		% Rec.	101.0	54-144	WG688524	10/23/13 14:04
Chloride	< 10	mg/kg			WG688480	10/23/13 16:53
Total Solids	< .1	%			WG689322	10/29/13 10:14

Analyte	Units	Duplicate			Limit	Ref Samp	Batch
		Result	Duplicate	RPD			
Chloride	mg/kg	78.0	92.0	16.5	20	L664398-03	WG688480
Total Solids	%	99.9	99.9	0.00515	5	L664169-01	WG689322

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.05	0.0463	92.6	70-130	WG688524
Ethylbenzene	mg/kg	.05	0.0467	93.4	70-130	WG688524
Toluene	mg/kg	.05	0.0459	91.8	70-130	WG688524
Total Xylene	mg/kg	.15	0.141	94.2	70-130	WG688524
a, a, a-Trifluorotoluene (PID)				100.0	54-144	WG688524
Chloride	mg/kg	200	181.	90.5	80-120	WG688480
Total Solids	%	50	50.0	100.	85-115	WG689322

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/kg	0.0422	0.0463	84.0	70-130	9.25	20	WG688524
Ethylbenzene	mg/kg	0.0431	0.0467	86.0	70-130	7.94	20	WG688524
Toluene	mg/kg	0.0421	0.0459	84.0	70-130	8.74	20	WG688524
Total Xylene	mg/kg	0.131	0.141	87.0	70-130	7.65	20	WG688524
a, a, a-Trifluorotoluene (PID)				99.20	54-144			WG688524
Chloride	mg/kg	179.	181.	90.0	80-120	1.11	20	WG688480

Analyte	Units	Matrix Spike				% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV					
Benzene	mg/kg	0.228	0.000254	.05	91.0	49.7-127	L664309-01	WG688524	
Ethylbenzene	mg/kg	0.220	0.000360	.05	88.0	40.8-141	L664309-01	WG688524	
Toluene	mg/kg	0.224	0.000742	.05	89.0	49.8-132	L664309-01	WG688524	
Total Xylene	mg/kg	0.664	0.00200	.15	88.0	41.2-140	L664309-01	WG688524	
a, a, a-Trifluorotoluene (PID)					99.80	54-144		WG688524	
Chloride	mg/kg	2120	1700	500	84.0	80-120	L664398-01	WG688480	

\* 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  
 Logan Hixon  
 382 County Road 3100

Quality Assurance Report  
 Level II

Aztec, NM 87410

October 29, 2013

L664358

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/kg	0.240	0.228	95.9	49.7-127	5.31	23.5	L664309-01	WG688524
Ethylbenzene	mg/kg	0.233	0.220	93.2	40.8-141	5.73	23.8	L664309-01	WG688524
Toluene	mg/kg	0.235	0.224	93.8	49.8-132	4.83	23.5	L664309-01	WG688524
Total Xylene	mg/kg	0.702	0.664	93.3	41.2-140	5.57	23.7	L664309-01	WG688524
a, a, a-Trifluorotoluene (PID)				99.70	54-144				WG688524
Chloride	mg/kg	2110	2120	82.0	80-120	0.473	20	L664398-01	WG688480

Batch number / Run number / Sample number cross reference

WG688524: R2844419: L664358-01  
 WG688480: R2844640: L664358-01  
 WG689322: R2846420: L664358-01

\* \* 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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**YOUR LAB OF CHOICE**

XTO Energy - San Juan Division  
Logan Hixon  
382 County Road 3100

Quality Assurance Report  
Level II

Aztec, NM 87410

L664358

October 29, 2013

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.



# Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 86	HANCOCK GAS COM 00	Begay, Shawn	Durham, Ken	HANCOCK GC 01E	3004525250	15	12W	30N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
RICK HOVLAND	08/28/2008	10:00	No	No	No	Yes	No	4			
DOUG	09/23/2008	01:20	No	No	No	Yes	No	4			
mg	11/12/2008	01:00	No	No	No	Yes	No	1			
mg	12/15/2008	02:00	No	No	No	Yes	No	4			
mg	02/03/2009	12:00	No	No	No	Yes	No	3			
ds	03/12/2009	09:00	No	No	No	Yes	No	3	Well Water Pit	Below Ground	
ds	04/08/2009	09:00	No	No	No	Yes	No	3	Well Water Pit	Below Ground	
ds	07/23/2009	09:00	No	No	No	Yes	No	3	Well Water Pit	Below Ground	
DS	05/05/2010	09:00	No	No	No	Yes	No	1	Well Water Pit	Below Ground	
DS	10/22/2010	01:00	No	No	No	Yes	No	1	Well Water Pit	Below Ground	
JT	05/09/2011	11:45	No	No	No	Yes	No	1	Well Water Pit	Below Ground	
JT	08/24/2011	12:45	No	No	No	Yes	No	1	Well Water Pit	Below Ground	
JT	09/29/2011	11:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	11/17/2011	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	12/20/2011	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	01/24/2012	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	02/27/2012	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	03/28/2012	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	04/30/2012	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	05/29/2012	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	06/29/2012	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	07/26/2012	10:45	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	08/23/2012	10:50	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	09/25/2012	10:50	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	10/25/2012	10:50	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	11/27/2012	10:50	No	No	No	Yes	No	2	Well Water Pit	Below Ground	
JT	12/24/2012	10:50	No	No	No	Yes	No	1	Well Water Pit	Below Ground	

XTO Energy, Inc.  
Hancock Gas COM #1E  
Section 15(L) Township 30N, Range 12W  
Closure Date: October 29, 2013



Photo 1: Hancock Gas COM #1E after reconfigure (view 1)

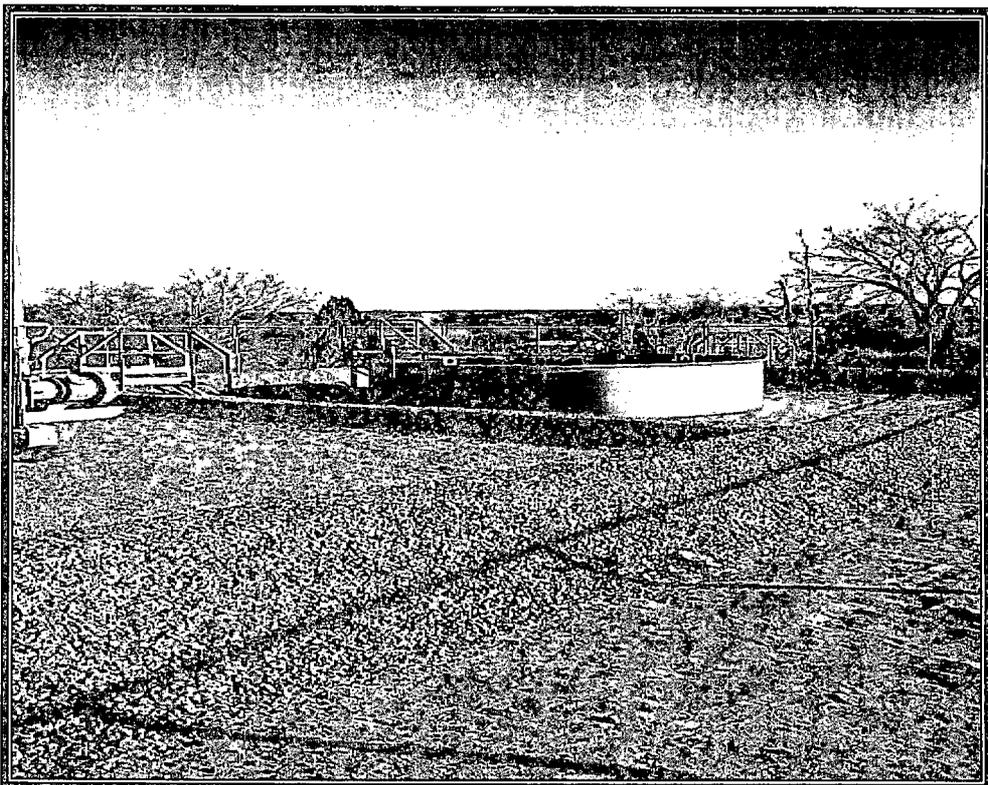


Photo 2: Hancock Gas COM #1E after reconfigure (view 2)