

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.

RECEIVED  
2008 DEC 12 PM 4 14

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

11357  
Amended

- 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: MARTINEZ GAS COM G # 1E  
 API Number: 30-045-25568 OCD Permit Number: \_\_\_\_\_  
 U/L or Qtr/Qtr D Section 245 Township 29N Range 10W County: San Juan  
 Center of Proposed Design: Latitude 36.71345 Longitude 107.84241 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 AUG 15 '13  
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. - 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). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input 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. - 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. - 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. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

11.

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

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

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

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

12.

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

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

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

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

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

13.

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

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

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

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

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?  
 Yes (If yes, please provide the information below)  No

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

Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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

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

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

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

19. **Operator Application Certification:**

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

Name (Print): Kim Champlin Title: Environmental Representative  
Signature: Kim Champlin Date: 11-25-08  
e-mail address: kim\_champlin@xtoenergy.com Telephone: (505) 333-3100

20. **OCB Approval:**  Permit Application (including closure plan)  Closure Plan (only)  OCB Conditions (see attachment)

OCB Representative Signature: [Signature] Approval Date: 7/24/13  
Title: Senior Hydrologist Compliance Officer  
OCB Permit Number: [Blank]

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: August 8, 2013

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): Logan Hixon Title: EHS Coordinator  
Signature: [Signature] Date: August 13, 2013  
e-mail address: Logan.Hixon@xtoenergy.com Telephone: (505) 333-3683

District I  
1625 N. French Dr., Hobbs, NM 88240  
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1301 W. Grand Avenue, Artesia, NM 88210  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Martinez Gas Com G #1E (30-045-25568)	Facility Type: Gas Well

Surface Owner: Federal Land	Mineral Owner:	Lease No.:
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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
D	24	29N	10W	1975	FNL	2125	FEL	San Juan

Latitude: 36.71345 Longitude: 107.84241

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: July 25, 2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The below grade tank was taken out of service at the Martinez Gas Com G #1E due to upgrades being made at this site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for Benzene, Total BTEX and total chlorides, but above the 'pit rule' standards for TPH, confirming that a release has occurred at this location. This site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 40 due to an estimated depth to groundwater less than 50 feet, and a distance to a domestic water well less than 1000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX, or 100 ppm organic vapors.

Describe Area Affected and Cleanup Action Taken.\*

Based on TPH results of 347 PPM via USEPA Method 418.1, it has been confirmed that a release had occurred at 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: <i>Logan Hixon</i>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Logan Hixon		Approved by District Supervisor:	
Title: Environmental Technician		Approval Date:	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com		Conditions of Approval:	
Date: <i>August 13, 2013</i>	Phone: 505-333-3202	Attached <input type="checkbox"/>	

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

**Lease Name:** Martinez Gas Com G #1E

**API No.:** 30-045-25568

**Description:** Unit D, Section 24, Township 29N, Range 10W, San Juan County

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

## **General Plan**

1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.  
**Closure Date is August 8, 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 August 8, 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 five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)( 1 )(b). (Sample results attached).**

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	<0.05 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	<0.20mg/kg
TPH	EPA SW-846 418.1	100	347 mg/kg
Chlorides	EPA 300.1	250 or background	12.5 mg/kg
TPH	EPA SW-846 8015M	100	<9.98

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 347 PPM via USEPA 418.1, a release has been confirmed for this location. A C-141 Release Notification form will be sent outlining any remediation activities taken regarding this release.**

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 July 22, 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 July 22, 2013 via email. Email has been approved as a means of surface owner notification to the BLM by Brandon Powell, NMOCD Aztec Office.**

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.  
**The site will continue to be used for oil and gas exploration and production operations. The site will be recontoured upon the plugging and abandoning 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 will be backfilled to match these specifications upon the plugging and abandoning of this well location.**
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 continue to be used for daily operations pertaining to oil and gas explorations and production activities. The site will be reclaimed pursuant to BLM MOU 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); **per BLM MOU on upon plugging and abandoning of this well location.**
  - viii. Photo documentation of the site reclamation. **Attached**



## Analytical Report

### Report Summary

Client: XTO Energy Inc.  
Chain Of Custody Number: 0408  
Samples Received: 7/19/2013 8:10:00AM  
Job Number: 98031-0528  
Work Order: P307057  
Project Name/Location: Martinez GC G #1E

Entire Report Reviewed By:

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

Date: 7/25/13

Tim Cain, Laboratory Manager

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: Martinez GC G #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 25-Jul-13 09:15
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### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Sample	P307057-01A	Soil	07/18/13	07/19/13	Glass Jar, 4 oz.
	P307057-01B	Soil	07/18/13	07/19/13	Glass Jar, 4 oz.

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Martinez GC G #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 25-Jul-13 09:15
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**BGT Sample  
P307057-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b><u>Volatile Organics by EPA 8021</u></b>									
Benzene	ND	0.05	mg/kg	1	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		99.7 %		80-120	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		94.6 %		80-120	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
<i>Surrogate: Fluorobenzene</i>		94.8 %		80-120	1329031	19-Jul-13	23-Jul-13	EPA 8021B	
<b><u>Nonhalogenated Organics by 8015</u></b>									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1329034	19-Jul-13	23-Jul-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	4.99	mg/kg	1	1329034	19-Jul-13	23-Jul-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg	1	1329034	19-Jul-13	23-Jul-13	EPA 8015D	
<b><u>Total Petroleum Hydrocarbons by 418.1</u></b>									
<b>Total Petroleum Hydrocarbons</b>	<b>347</b>	20.0	mg/kg	1	1330014	24-Jul-13	24-Jul-13	EPA 418.1	
<b><u>Cation/Anion Analysis</u></b>									
<b>Chloride</b>	<b>12.5</b>	9.99	mg/kg	1	1330001	23-Jul-13	23-Jul-13	EPA 300.0	

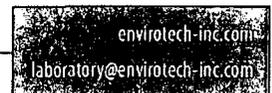
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Martinez GC G #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 25-Jul-13 09:15
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**Volatile Organics by EPA 8021 - Quality 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 1329031 - Purge and Trap EPA 5030A**

<b>Blank (1329031-BLK1)</b>		Prepared & Analyzed: 19-Jul-13								
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
<i>Surrogate: Bromochlorobenzene</i>	46.4		ug/L	50.0		92.8	80-120			
<i>Surrogate: 1,4-Difluorobenzene</i>	48.9		"	50.0		97.9	80-120			
<i>Surrogate: Fluorobenzene</i>	47.5		"	50.0		94.9	80-120			

<b>Duplicate (1329031-DUP1)</b>		Source: P307056-01		Prepared & Analyzed: 19-Jul-13						
Benzene	ND	0.05	mg/kg		ND					30
Toluene	ND	0.05	"		ND					30
Ethylbenzene	ND	0.05	"		ND					30
p,m-Xylene	0.06	0.05	"		0.05			8.33		30
o-Xylene	ND	0.05	"		ND					30
<i>Surrogate: Bromochlorobenzene</i>	42.6		ug/L	50.0		85.2	80-120			
<i>Surrogate: 1,4-Difluorobenzene</i>	45.2		"	50.0		90.4	80-120			
<i>Surrogate: Fluorobenzene</i>	43.2		"	50.0		86.3	80-120			

<b>Matrix Spike (1329031-MS1)</b>		Source: P307056-01		Prepared & Analyzed: 19-Jul-13						
Benzene	45.4		ug/L	50.0	0.34	90.1	39-150			
Toluene	45.2		"	50.0	0.62	89.2	46-148			
Ethylbenzene	45.3		"	50.0	0.14	90.3	32-160			
p,m-Xylene	91.6		"	100	1.09	90.6	46-148			
o-Xylene	44.8		"	50.0	0.46	88.7	46-148			
<i>Surrogate: Bromochlorobenzene</i>	47.9		"	50.0		95.7	80-120			
<i>Surrogate: 1,4-Difluorobenzene</i>	44.6		"	50.0		89.2	80-120			
<i>Surrogate: Fluorobenzene</i>	44.9		"	50.0		89.7	80-120			

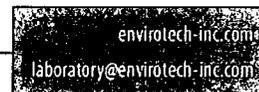
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Martinez GC G #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 25-Jul-13 09:15
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**Nonhalogenated Organics by 8015 - 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 1329034 - GRO/DRO Extraction EPA 3550C**

<b>Blank (1329034-BLK1)</b>				Prepared: 19-Jul-13 Analyzed: 23-Jul-13	
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		
Diesel Range Organics (C10-C28)	ND	4.99	"		
GRO and DRO Combined Fractions	ND	4.99	"		
<b>Duplicate (1329034-DUP1)</b>		<b>Source: P307057-01</b>		Prepared: 19-Jul-13 Analyzed: 23-Jul-13	
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	ND	30
Diesel Range Organics (C10-C28)	ND	4.99	"	ND	30
<b>Matrix Spike (1329034-MS1)</b>		<b>Source: P307057-01</b>		Prepared: 19-Jul-13 Analyzed: 23-Jul-13	
Gasoline Range Organics (C6-C10)	263	5.26	mg/kg	263	ND 100 75-125
Diesel Range Organics (C10-C28)	263	5.26	"	263	ND 100 75-125

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Martinez GC G #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 25-Jul-13 09:15
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**Total Petroleum Hydrocarbons by 418.1 - 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 1330014 - 418 Freon Extraction**

<b>Blank (1330014-BLK1)</b>		Prepared & Analyzed: 24-Jul-13								
Total Petroleum Hydrocarbons	ND	19.9	mg/kg							
<b>Duplicate (1330014-DUP1)</b>		Source: P307057-01		Prepared & Analyzed: 24-Jul-13						
Total Petroleum Hydrocarbons	332	20.0	mg/kg		347			4.56	30	
<b>Matrix Spike (1330014-MS1)</b>		Source: P307057-01		Prepared & Analyzed: 24-Jul-13						
Total Petroleum Hydrocarbons	2290	19.9	mg/kg	1990	347	97.4	80-120			

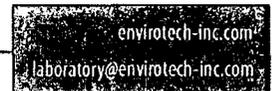
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**Cation/Anion Analysis - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1330001 - Anion Extraction EPA 300.0**

<b>Blank (1330001-BLK1)</b>				Prepared & Analyzed: 23-Jul-13						
Chloride	ND	9.99	mg/kg							
<b>Duplicate (1330001-DUP1)</b>		<b>Source: P307067-01</b>		Prepared & Analyzed: 23-Jul-13						
Chloride	1520	9.99	mg/kg		1680			10.4	30	

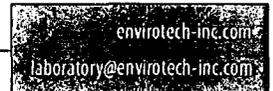
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Martinez GC G #1E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	<b>Reported:</b> 25-Jul-13 09:15
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**Notes and Definitions**

- 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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## Hoekstra, Kurt

---

**From:** Hoekstra, Kurt  
**Sent:** Monday, July 22, 2013 11:55 AM  
**To:** Mark Kelly (Mark\_Kelly@blm.gov)  
**Subject:** BGT Closure Notification

Mark Kelly,  
Bureau of Land Management – Farmington Field Office

Re: Martinez Gas Com G # 1E API # 30-045-25568  
Unit D, Section 24, Township 29N, Range 10W, San Juan County, New Mexico

Mr. Kelly,

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



Kurt Hoekstra  
EHS Coordinator  
XTO Energy  
505-333-3202 Office  
505-486-9543 Cell  
[Kurt\\_Hoekstra@xtoenergy.com](mailto:Kurt_Hoekstra@xtoenergy.com)

## Hoekstra, Kurt

---

**From:** Hoekstra, Kurt  
**Sent:** Monday, July 22, 2013 11:53 AM  
**To:** Brandon Powell (brandon.powell@state.nm.us)  
**Subject:** BGT Closure Notification

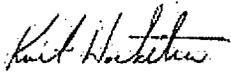
Brandon,

Re: Martinez Gas Com G # 1E API # 30-045-25568  
Unit D, Section 24, Township 29N, Range 10W, San Juan County, New Mexico

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Respectfully Submitted,



Kurt Hoekstra  
EHS Coordinator  
XTO Energy  
505-333-3202 Office  
505-486-9543 Cell  
[Kurt\\_Hoekstra@xtoenergy.com](mailto:Kurt_Hoekstra@xtoenergy.com)



# Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township			
DEN NM Run 43B	MARTINEZ GAS COM C	Goodwin, Mark	Bramwell, Chris	MARTINEZ GC G 01E	3004525568	24	10W	29N			
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
bruce frantz	11/22/2008	1330:00	No	Yes	No	Yes	No	40	Compresso	Below Ground	
bruce frantz	12/22/2008	16:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
bruce frantz	01/02/2009	17:00	No	Yes	No	Yes	No	4	Compresso	Below Ground	
bruce frantz	02/12/2009	12:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
bruce frantz	03/12/2009	18:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
bruce frantz	04/15/2009	11:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
bruce frantz	05/13/2009	10:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
L Ross	05/27/2009	09:00	No	Yes	No	Yes	No	4	Compresso	Below Ground	
bruce frantz	06/02/2009	12:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
bruce frantz	07/08/2009	08:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
Bill Smith	08/05/2009	11:00	No	Yes	No	Yes	No	3	Compresso	Below Ground	
Bill Smith	09/07/2009	13:30	No	No	No	Yes	No	3	Compresso	Below Ground	
Bill Smith	10/13/2009	14:20	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	11/03/2009	01:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	12/17/2009	10:00	No	No	No	Yes	No	2	Compresso	Below Ground	
BRUCE FRANTZ	01/14/2010	03:00	No	No	No	Yes	No	4	Compresso	Below Ground	
BRUCE FRANTZ	02/03/2010	12:00	No	No	No	Yes	No	4	Compresso	Below Ground	
BRUCE FRANTZ	03/09/2010	01:00	No	No	No	Yes	No	2	Compresso	Below Ground	
BRUCE FRANTZ	04/13/2010	12:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	05/14/2010	10:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	06/09/2010	08:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	07/14/2010	11:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	08/10/2010	02:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	09/23/2010	10:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	10/12/2010	08:00	No	No	No	Yes	No	3	Compresso	Below Ground	
BRUCE FRANTZ	12/12/2010	01:00	No	No	No	Yes	No	3	Compresso	Below Ground	
Adam Wheeler	01/31/2011	01:00	No	No	No	Yes	No	3	Compresso	Below Ground	
Adam Wheeler	03/23/2011	01:00	No	No	No	Yes	No	3	Compresso	Below Ground	
J Rodgers	04/19/2011	01:48	No	No	No	Yes	No	5	Compresso	Below Ground	
J Rodgers	05/09/2011	08:08	No	No	No	Yes	No	5	Compresso	Below G good shape	jr
J Rodgers	06/10/2011	11:18	No	No	No	Yes	No	5	Compresso	Below G good shape	jr
J Rodgers	07/07/2011	12:11	No	No	No	Yes	No	2	Compresso	Below G good shape	jr
J Rodgers	08/01/2011	10:11	No	No	No	Yes	No	2	Compresso	Below G good shape	jr
J Rodgers	09/06/2011	12:39	No	No	No	Yes	No	5	Compresso	Below G good shape	jr
J Rodgers	10/05/2011	11:39	No	No	No	Yes	No	5	Compresso	Below G good shape	jr
J Rodgers	11/14/2011	01:39	No	No	No	Yes	No	3	Compresso	Below G good shape	jr
DR	12/13/2011	11:00	No	No	No	Yes	No	3	Compresso	Below Ground	
DR	01/06/2012	09:44	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	02/02/2012	08:44	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	03/06/2012	09:30	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	04/04/2012	10:00	No	No	No	Yes	No	4	Compresso	Below Ground	
MEG	06/11/2012	11:30	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	07/02/2012	11:16	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	09/12/2012	09:25	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	10/02/2012	12:42	No	No	No	Yes	No	4	Compresso	Below Ground	
MEG	11/05/2012	10:59	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	12/03/2012	11:09	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	01/21/2013	09:44	No	No	No	Yes	No	2	Compresso	Below Ground	
MEG	02/25/2013	12:20	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	03/04/2013	11:34	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	04/01/2013	12:21	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	05/06/2013	07:58	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	06/03/2013	08:52	No	No	No	Yes	No	3	Compresso	Below Ground	
MEG	07/01/2013	12:55	No	No	No	Yes	No	2	Compresso	Below Ground	
MEG	08/05/2013	11:58	No	No	No	Yes	No	3	Compresso	Below Ground	

XTO Energy, Inc.  
Martinez Gas Com G #1E (30-045-25568)  
Section 24 (D), Township 29N, Range 10W  
Closure Date August 8, 2013

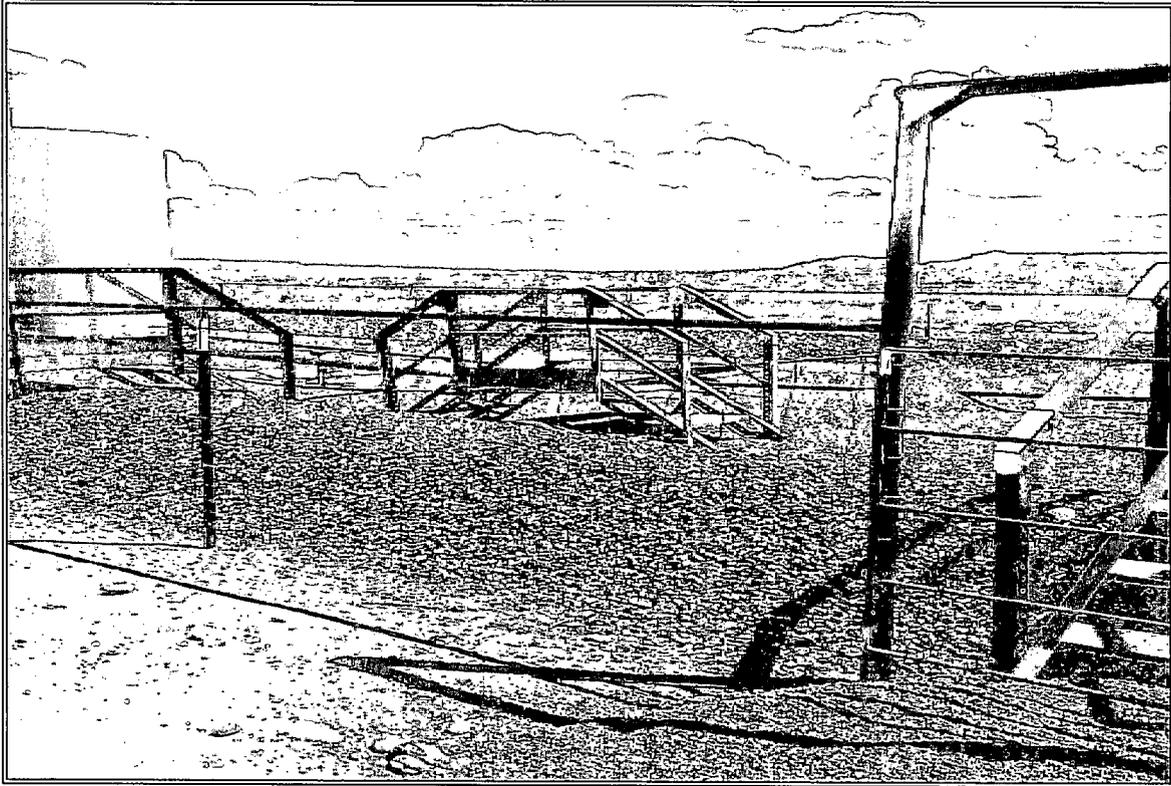


Photo 1: Martinez Gas Com G #1E after Reconfigure.

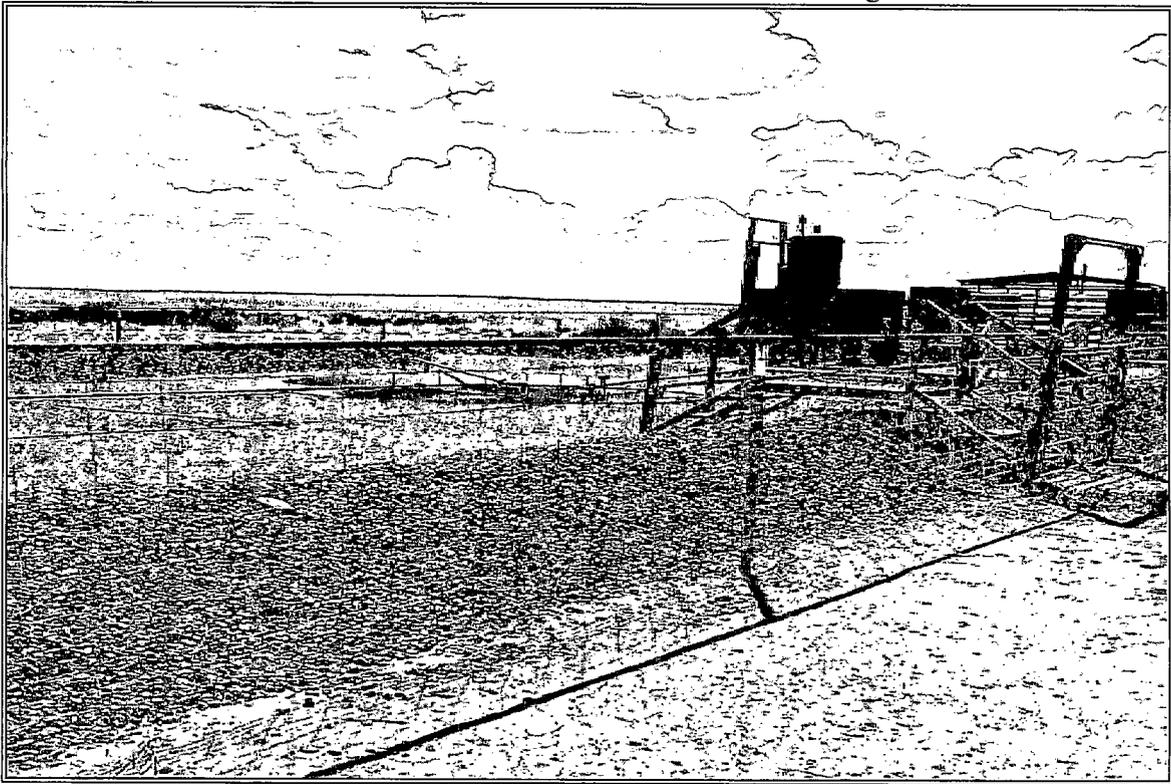


Photo 2: Martinez Gas Com G #1E after Reconfigure.

XTO Energy, Inc.  
Martinez Gas Com G #1E (30-045-25568)  
Section 24 (D), Township 29N, Range 10W  
Closure Date August 8, 2013

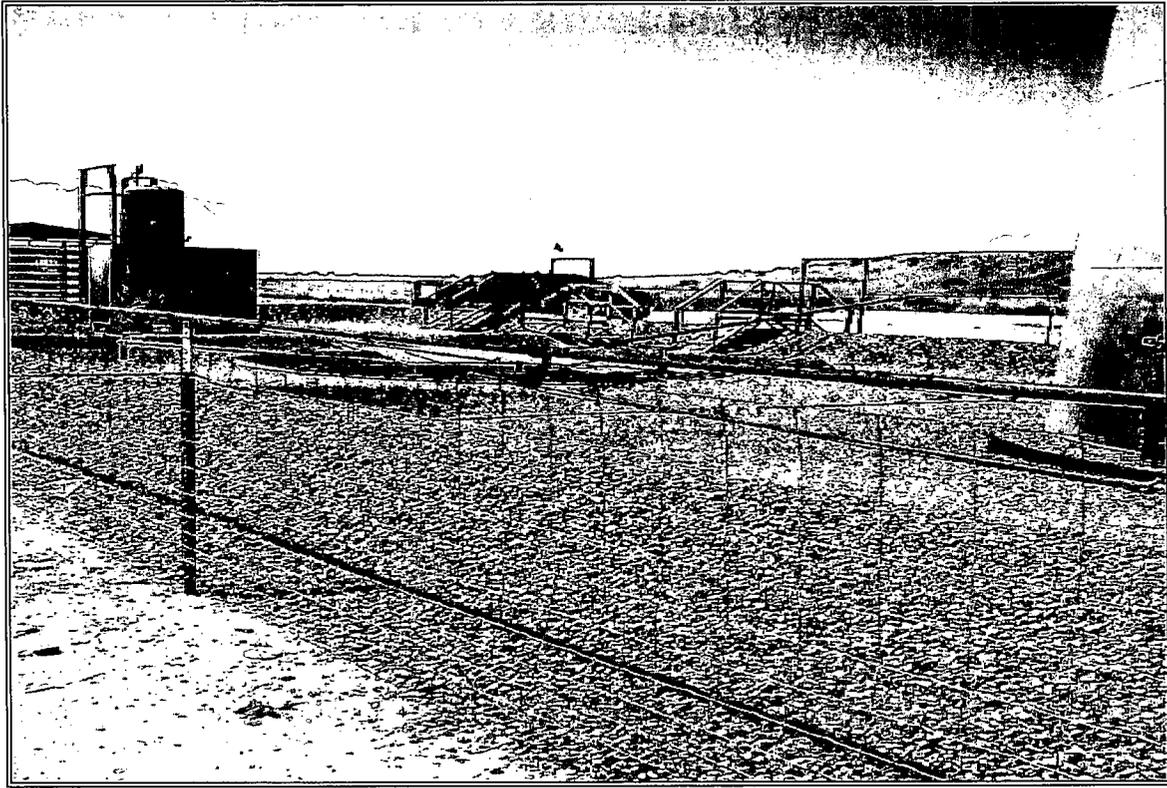


Photo 3: Martinez Gas Com G #1E after Reconfigure.



Photo 4: Martinez Gas Com G #1E after Reconfigure.

Jonathan,

Attached is the revised BGT Closure Report for the following site with changes made to #9 in the report as requested by you. Thank you Jonathan.

*Martinez Gas Com G # 1E (API # 30-045-25568), Permit #11357, Unit D, Section 24, Township 29N, Range 10W, San Juan County, New Mexico*



RCVD AUG 28 '13  
OIL COMS DIV.  
DIST. 3

*Thank You!*  
*Logan Hixon*  
*EHS Coordinator*  
*Western Division*  
*-382 CR 3100*  
*Aztec NM 87410*  
*Office (505) 333-3683*  
*-72 Suttle Street, Suite J*  
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*Logan\_Hixon@xtoenergy.com*

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

**Lease Name: Martinez Gas Com G #1E**

**API No.: 30-045-25568**

**Description: Unit D, Section 24, Township 29N, Range 10W, San Juan County**

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

## **General Plan**

1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.  
**Closure Date is August 8, 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 August 8, 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 five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)( 1 )(b). (Sample results attached).**

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	<0.05 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	<0.20mg/kg
TPH	EPA SW-846 418.1	100	347 mg/kg
Chlorides	EPA 300.1	250 or background	12.5 mg/kg
TPH	EPA SW-846 8015M	100	<9.98

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 347 PPM via USEPA 418.1, a release has been confirmed for this location. A C-141 Release Notification form will be sent outlining any remediation activities taken regarding this release.**

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.

**A new pit cellar and pit tank was utilized for continuous activities as the Martinez Gas Com G #1E and will be registered under the NMOCD Title 19 Chapter 15 Part 17 Orders. Backfilling will occur at the time of P&A'ing of this well site.**

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 July 22, 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 July 22, 2013 via email. Email has been approved as a means of surface owner notification to the BLM by Brandon Powell, NMOCD Aztec Office.**

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.  
**The site will continue to be used for oil and gas exploration and production operations. The site will be recontoured upon the plugging and abandoning 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 will be backfilled to match these specifications upon the plugging and abandoning of this well location.**
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 continue to be used for daily operations pertaining to oil and gas explorations and production activities. The site will be reclaimed pursuant to BLM MOU 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); **per BLM MOU on upon plugging and abandoning of this well location.**
  - viii. Photo documentation of the site reclamation. **Attached**