

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

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

Form C-144  
Revised June 6, 2013

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

Pit, Below-Grade Tank, or

13070 Proposed Alternative Method Permit or Closure Plan Application

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

OIL CONS. DIV DIST. 3

AUG 17 2015

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

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

1.  
Operator: XTO Energy, Inc. OGRID #: 5380  
Address: #382 County Road 3100, Aztec, NM 87410  
Facility or well name: Stanolind Gas Com B #5H  
API Number: 30-045-32879 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr P Section 9 Township 32N Range 12W County: San Juan  
Center of Proposed Design: Latitude 36.9952778 Longitude -108.09381 NAD: ☐ 1927 ☒ 1983  
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

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

3.  
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
Volume: 120 bbl Type of fluid: Produced Water  
Tank Construction material: Steel  
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other Visible sidewalls, vaulted, automatic high-level shut off, no liner  
Liner type: Thickness \_\_\_\_\_ mil ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

4.  
☐ **Alternative Method:**  
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.  
**Fencing:** Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  
☐ Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)  
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet  
☒ Alternate. Please specify: 4 ft, height, steel mesh field fence (Hog Wire) with pipe top railing



6.

**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)

7.

**Signs:** Subsection C of 19.15.17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15.16.8 NMAC

8.

**Variances and Exceptions:**

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

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

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

9.

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

**Instructions:** The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

**General siting**

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

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

☐ Yes ☐ No  
☐ NA

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

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

☐ Yes ☐ No  
☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (**Does not apply to below grade tanks**)

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain. (**Does not apply to below grade tanks**)

- FEMA map

☐ Yes ☐ No

**Below Grade Tanks**

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

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

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

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

☐ Yes ☐ No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

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

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

☐ Yes ☐ No



Within 100 feet of a wetland.

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

☐ Yes ☐ No

### **Temporary Pit Non-low chloride drilling fluid**

Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

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

☐ Yes ☐ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;

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

☐ Yes ☐ No

Within 300 feet of a wetland.

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

☐ Yes ☐ No

### **Permanent Pit or Multi-Well Fluid Management Pit**

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

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

☐ Yes ☐ No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

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

☐ Yes ☐ No

Within 500 feet of a wetland.

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

☐ Yes ☐ No

10.

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

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

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

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

11.

#### **Multi-Well Fluid Management Pit Checklist:** Subsection B of 19.15.17.9 NMAC

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

- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ A List of wells with approved application for permit to drill associated with the pit.
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
- ☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

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



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

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

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and 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

13. **Proposed Closure:** 19.15.17.13 NMAC

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

- Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit  
☐ Alternative
- Proposed Closure Method: ☐ Waste Excavation and Removal  
☐ Waste Removal (Closed-loop systems only)  
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)  
☐ In-place Burial ☐ On-site Trench Burial  
☐ Alternative Closure Method

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

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

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

**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	



adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

<input type="checkbox"/> Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
<input type="checkbox"/> Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
<input type="checkbox"/> Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
<input type="checkbox"/> 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
<input type="checkbox"/> Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
<input type="checkbox"/> Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
<input type="checkbox"/> Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
<input type="checkbox"/> Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
<input type="checkbox"/> Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
<input type="checkbox"/> Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
<input type="checkbox"/> Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.  
**Operator Application Certification:**  
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): \_\_\_\_\_ Title : \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

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

OCD Representative Signature: *Janet D. Kelly* Approval Date: *10/5/2015*

Title: *Compliance Officer* OCD Permit Number: \_\_\_\_\_

19.  
**Closure Report (required within 60 days of closure completion):** 19.15.17.13 NMAC  
*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

☐ Closure Completion Date: 7/10/2015

20.  
**Closure Method:**  
☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)  
☐ If different from approved plan, please explain.

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

<input checked="" type="checkbox"/> Proof of Closure Notice (surface owner and division)
<input type="checkbox"/> Proof of Deed Notice (required for on-site closure for private land only)
<input type="checkbox"/> Plot Plan (for on-site closures and temporary pits)
<input checked="" type="checkbox"/> Confirmation Sampling Analytical Results (if applicable)
<input type="checkbox"/> Waste Material Sampling Analytical Results (required for on-site closure)
<input checked="" type="checkbox"/> Disposal Facility Name and Permit Number
<input checked="" type="checkbox"/> Soil Backfilling and Cover Installation
<input checked="" type="checkbox"/> Re-vegetation Application Rates and Seeding Technique
<input checked="" type="checkbox"/> Site Reclamation (Photo Documentation)

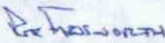
On-site Closure Location: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: ☐ 1927 ☐ 1983



**Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Rex Farnsworth Title: EHS Technician

Signature:  Date: \_\_\_\_\_

e-mail address: rex\_farnsworth@xtoenergy.com Telephone: (505) 333-3100



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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

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: Rex Farnsworth
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Stanolind Gas Com B #5H	Facility Type: Gas Well ( Basin Fruitland Coal)

Surface Owner: Private	Mineral Owner:	Lease No. 30-045-32879
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**LOCATION OF RELEASE**

Unit Letter P	Section 9	Township 32N	Range 12W	Feet from the 820	North/South Line FSL	Feet from the 665	East/West Line FEL	County San Juan
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Latitude: 36.9952778 Longitude: -108.09381

**NATURE OF RELEASE**

Type of Release: N/A	Volume of Release: N/A	Volume Recovered: N/A
Source of Release: N/A	Date and Hour of Occurrence: N/A	Date and Hour of Discovery: N/A
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.	

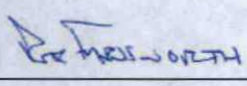
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*The below grade tank was removed at the Stanolind Gas Com B #5H well site due to plugging and abandon of the well. The BGT cellar beneath the BGT was sampled for TPH via USEPA Method 8015, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'pit rule' standards.

Describe Area Affected and Cleanup Action Taken.\*No release has been confirmed for this location, and no further action is required.

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

**OIL CONSERVATION DIVISION**

Signature: 	Approved by District Supervisor:		
Printed Name: Rex Farnsworth			
Title: EH & S Technician	Approval Date:	Expiration Date:	
E-mail Address: rex_farnsworth@xtoenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone: (505) 333-3100		



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

**Lease Name: Stanolind Gas Com B #5H**

**API No.: 30-045-32879**

**Description: Unit P, Section 9, Township 32N, 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 July 10, 2015**
2. XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.  
**Closure Date is July 10, 2015**
3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.  
**Required C-144 Form is attached to this document.**
4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:
  - Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B
  - Soil contaminated by exempt petroleum hydrocarbons
  - Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
  - Basin Disposal Permit No. NM01-005
  - Produced water**All liquids and sludge were removed from the tank prior to closure activities.**
5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.  
**XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.**



6. XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.

**All equipment has been removed due to the plugging and abandoning of the Stanolind Gas Com B #5H Well Site.**

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

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

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.0028 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.0421 mg/kg
TPH	EPA 8015	100	< 9.57 mg/kg
Chlorides	EPA 300.1	250 or background	79 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.

**No release has been confirmed at this location**

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. Cory Smith with the Aztec office of the OCD via email on June 19, 2015; 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 June 19, 2015 via certified mail, return receipt requested.**



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.**
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.  
**Site will reclaimed pursuant to the landowner specifications.**
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 Land Owner Specifications**
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **Per C.O. specification.**
  - viii. Photo documentation of the site reclamation. **attached**





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1-800-767-5859  
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Est. 1970

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

### Report Summary

Tuesday July 07, 2015

Report Number: L773392

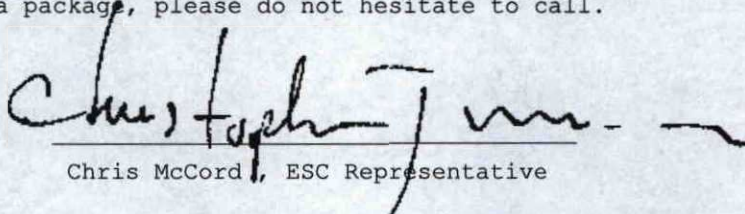
Samples Received: 06/25/15

Client Project:

Description: Stanolind G.C 5H

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:

  
Chris McCord, 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, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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REPORT OF ANALYSIS

July 07, 2015

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

Date Received : June 25, 2015  
Description : Stanolind G.C 5H

Sample ID : FARRF06242015-1205

Collected By :  
Collection Date : 06/24/15 12:05

ESC Sample # : L773392-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	79.	11.	mg/kg	9056MOD	07/01/15	1
Total Solids	88.2		%	2540 G-2011	06/28/15	1
Benzene	BDL	0.0028	mg/kg	8021	07/03/15	5
Toluene	BDL	0.028	mg/kg	8021	07/03/15	5
Ethylbenzene	BDL	0.0028	mg/kg	8021	07/03/15	5
Total Xylene	BDL	0.0085	mg/kg	8021	07/03/15	5
TPH (GC/FID) Low Fraction	BDL	0.57	mg/kg	8015	07/03/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	95.5		% Rec.	8015	07/03/15	1
a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021	07/03/15	1
Diesel and Oil Ranges						
C10-C28 Diesel Range	BDL	4.5	mg/kg	8015	06/27/15	1
C28-C40 Oil Range	BDL	4.5	mg/kg	8015	06/27/15	1
Surrogate Recovery						
o-Terphenyl	120.		% Rec.	8015	06/27/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.

The reported analytical results relate only to the sample submitted

Reported: 07/06/15 16:59 Revised: 07/07/15 10:31





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XTO Energy - San Juan Division  
James McDaniel  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L773392

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July 07, 2015

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
C10-C28 Diesel Range	< 4	mg/kg			WG798810	06/27/15 18:01
C28-C40 Oil Range	< 4	mg/kg			WG798810	06/27/15 18:01
o-Terphenyl		% Rec.	114.0	50-150	WG798810	06/27/15 18:01
Total Solids	< .1	%			WG798717	06/28/15 09:19
Chloride	< 10	mg/kg			WG799319	07/01/15 15:31
Benzene	< .0005	mg/kg			WG800190	07/03/15 07:52
Ethylbenzene	< .0005	mg/kg			WG800190	07/03/15 07:52
Toluene	< .005	mg/kg			WG800190	07/03/15 07:52
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG800190	07/03/15 07:52
Total Xylene	< .0015	mg/kg			WG800190	07/03/15 07:52
a,a,a-Trifluorotoluene (FID)		% Rec.	96.10	59-128	WG800190	07/03/15 07:52
a,a,a-Trifluorotoluene (PID)		% Rec.	102.0	54-144	WG800190	07/03/15 07:52

Analyte	Units	Result	Duplicate		Limit	Ref Samp	Batch
			Duplicate	RPD			
Total Solids	%	81.2	80.4	0.966	5	L773388-02	WG798717
Chloride	mg/kg	72.0	70.4	2.00	20	L773392-01	WG799319
Chloride	mg/kg	800.	671.	18.0	20	L773524-02	WG799319

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
C10-C28 Diesel Range	mg/kg	60	52.4	87.4	50-100	WG798810
o-Terphenyl				122.0	50-150	WG798810
Total Solids	%	50	50.0	99.9	85-115	WG798717
Chloride	mg/kg	200	215.	107.	80-120	WG799319
Benzene	mg/kg	.05	0.0374	74.8	70-130	WG800190
Ethylbenzene	mg/kg	.05	0.0405	80.9	70-130	WG800190
Toluene	mg/kg	.05	0.0392	78.4	70-130	WG800190
Total Xylene	mg/kg	.15	0.124	82.5	70-130	WG800190
a,a,a-Trifluorotoluene (FID)				96.80	59-128	WG800190
a,a,a-Trifluorotoluene (PID)				101.0	54-144	WG800190
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.42	98.5	63.5-137	WG800190
a,a,a-Trifluorotoluene (FID)				93.80	59-128	WG800190
a,a,a-Trifluorotoluene (PID)				111.0	54-144	WG800190

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
C10-C28 Diesel Range	mg/kg	50.9	52.4	85.0	50-100	2.89	20	WG798810
o-Terphenyl				118.0	50-150			WG798810
Chloride	mg/kg	214.	215.	107.	80-120	1.00	20	WG799319

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'





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XTO Energy - San Juan Division  
James McDaniel  
382 County Road 3100

Quality Assurance Report  
Level II

Aztec, NM 87410

L773392

July 07, 2015

Analyte	Laboratory Control Sample Duplicate				Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
Benzene	mg/kg	0.0385	0.0374	77.0	70-130	2.78	20	WG800190
Ethylbenzene	mg/kg	0.0411	0.0405	82.0	70-130	1.50	20	WG800190
Toluene	mg/kg	0.0397	0.0392	79.0	70-130	1.34	20	WG800190
Total Xylene	mg/kg	0.125	0.124	84.0	70-130	1.39	20	WG800190
a,a,a-Trifluorotoluene (FID)				96.80	59-128			WG800190
a,a,a-Trifluorotoluene (PID)				101.0	54-144			WG800190
TPH (GC/FID) Low Fraction	mg/kg	5.43	5.42	99.0	63.5-137	0.210	20	WG800190
a,a,a-Trifluorotoluene (FID)				94.70	59-128			WG800190
a,a,a-Trifluorotoluene (PID)				111.0	54-144			WG800190

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
C10-C28 Diesel Range	mg/kg	50.0	1.92	60	80.0	50-100	L773392-01	WG798810
o-Terphenyl					109.0	50-150		WG798810
Chloride	mg/kg	677.	144.	500	110.	80-120	L773524-01	WG799319
Benzene	mg/kg	0.192	0.000803	.05	77.0	49.7-127	L773308-06	WG800190
Ethylbenzene	mg/kg	0.170	0.000664	.05	68.0	40.8-141	L773308-06	WG800190
Toluene	mg/kg	0.180	0.00201	.05	71.0	49.8-132	L773308-06	WG800190
Total Xylene	mg/kg	0.517	0.00335	.15	68.0	41.2-140	L773308-06	WG800190
a,a,a-Trifluorotoluene (FID)					95.70	59-128		WG800190
a,a,a-Trifluorotoluene (PID)					99.90	54-144		WG800190
TPH (GC/FID) Low Fraction	mg/kg	13.7	0.116	5.5	49.0	28.5-138	L773308-06	WG800190
a,a,a-Trifluorotoluene (FID)					83.90	59-128		WG800190
a,a,a-Trifluorotoluene (PID)					106.0	54-144		WG800190

Analyte	Units	Matrix Spike Duplicate				Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec						
C10-C28 Diesel Range	mg/kg	51.5	50.0	82.7		50-100	2.94	20	L773392-01	WG798810
o-Terphenyl				118.0		50-150				WG798810
Chloride	mg/kg	663.	677.	104.		80-120	2.00	20	L773524-01	WG799319
Benzene	mg/kg	0.192	0.192	76.4		49.7-127	0.270	23.5	L773308-06	WG800190
Ethylbenzene	mg/kg	0.163	0.170	64.9		40.8-141	3.95	23.8	L773308-06	WG800190
Toluene	mg/kg	0.177	0.180	69.9		49.8-132	1.77	23.5	L773308-06	WG800190
Total Xylene	mg/kg	0.502	0.517	66.4		41.2-140	3.02	23.7	L773308-06	WG800190
a,a,a-Trifluorotoluene (FID)				95.80		59-128				WG800190
a,a,a-Trifluorotoluene (PID)				100.0		54-144				WG800190
TPH (GC/FID) Low Fraction	mg/kg	18.6	13.7	67.3		28.5-138	30.6*	23.6	L773308-06	WG800190
a,a,a-Trifluorotoluene (FID)				97.10		59-128				WG800190
a,a,a-Trifluorotoluene (PID)				107.0		54-144				WG800190

Batch number / Run number / Sample number cross reference

WG798810: R3046291: L773392-01  
WG798717: R3046305: L773392-01  
WG799319: R3047290: L773392-01  
WG800190: R3047715: L773392-01

\* \* 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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James McDaniel  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L773392

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July 07, 2015

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.







**From:** Hixon, Logan  
**To:** [Smith, Cory, EMNRD](#)  
**Cc:** [McDaniel, James \(James.McDaniel@xtoenergy.com\)](#); [Hoekstra, Kurt](#); [Naegel, Otto \(Otto.Naegel@xtoenergy.com\)](#); [Farnsworth, Rex \(Rex.Farnsworth@xtoenergy.com\)](#); [Clement, Jeff \(Jeff.Clement@xtoenergy.com\)](#); [Dawes, Thomas \(Thomas.Dawes@xtoenergy.com\)](#); [Trujillo, Marcos \(Marcos.Trujillo@xtoenergy.com\)](#); [Dryer, David](#); [Baxstrom, Scott \(Scott.Baxstrom@xtoenergy.com\)](#); [McCollum, Luke \(Luke.McCollum@xtoenergy.com\)](#); [Beaty, Brent \(Brent.Beaty@xtoenergy.com\)](#)  
**Subject:** 6-19-2015, 72 Hour BGT Closure Notification 6/19/2015-6/26/2015-Stanolind Gas Com B 5H  
**Date:** Friday, June 19, 2015 1:45:00 PM

---

Mr. Smith

Please accept this email as the required 72 hour notification for BGT closure activities at the following site:

*-Stanolind Gas Com B 5H (API 30-045-32879) located in Section 9 (P), Township 32N, Range 12W, San Juan County, New Mexico.*

This BGT is being closed due to the plugging and abandoning of this well site.

The closure plan was approved on May 18, 2015.

Work is tentatively scheduled for Wednesday June 24, 2015 at approximately 1200 MST.

If there is any unforeseen delays in closure of this BGT and it will not be closed within a week's time (June 26, 2015), a follow up email notification will be made for the change.

This same information was shared with the surface owner of the site via certified mail-return receipt.

Thank you and have a good day!

*If you have any questions or concerns do not hesitate to contact me at anytime. Thank you and have a good day!*

*Thank You!*

**XTO ENERGY INC.**, an ExxonMobil subsidiary

Logan Hixon | 72 Suttle Street, Suite J | Durango, CO 81303 | ph: 970-247-7708 | Cell: 505-386-8018



Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | [Logan\\_Hixon@xtoenergy.com](mailto:Logan_Hixon@xtoenergy.com)

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June 19, 2015

Kennon Decker  
141 Road 2300  
Aztec, NM 87410

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

**Kennon Decker  
141 Road 2300  
Aztec NM 87410**

2. Article Number  
(Transfer from service label)

7012 1010 0002 9430 0730

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M

Re: Stanolind Gas Com B 5H

Unit P, Section 9, Township 32N, Range 12W, San Juan County, New Mexico

Mr. Kennon Decker,

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,

*Logan Hixon*

Logan Hixon

EHS Coordinator  
XTO Energy, Inc.  
Western Division

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AZTEC NM 87410	
<b>OFFICIAL USE</b>	
Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$0.49
Sent To	
Street, Ap or PO Box	
City, State	
Kennon Decker	
141 Road 2300	
Aztec NM 87410	
Logan Hixon	
PS Form 3811, February 2004	

7012 1010 0002 9430 0730

0410 AZTEC NM 87410

08 Postmark Here

JUN 19 2015

USPS

See reverse for instructions





# Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township			
DEN NM Run 51	STANOLIND GAS COM	Weaver, Chaz	Durham, Ken	STANOLIND GC B 05H (formerly 3004532879		9	12W	32N			
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
FB	08/15/2008	08:00	No	No	No	Yes	No	4			
FB	09/05/2008	08:00	No	No	No	Yes	No	4			
FB	10/16/2008	08:00	No	No	No	Yes	No	4	Well Water	Below Ground	
FB	11/26/2008	08:00	No	No	No	Yes	No	4	Well Water	Below Ground	
FB	12/02/2008	01:00	No	No	No	Yes	No	4	Well Water	Below Ground	
FB	03/16/2010	09:00	No	No	No	Yes	No	4	Well Water	Below Ground	
FB	04/24/2010	11:00	No	No	No	Yes	No	4	Well Water	Below Ground	
FB	05/11/2010	10:00	No	No	No	Yes	No	4	Well Water	Below Ground	
BF	06/02/2011	01:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	08/10/2011	10:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	09/05/2011	01:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	10/18/2011	01:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	11/02/2011	11:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	01/06/2012	01:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	01/11/2012	01:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	02/01/2012	11:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	02/14/2012	09:00	No	No	No	Yes	No	2	Well Water	Below Ground	
BF	05/08/2012	08:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	05/11/2012	09:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	06/07/2012	12:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	07/30/2012	11:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	08/15/2012	12:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	03/11/2014	09:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	03/19/2014	11:00	No	No	No	Yes	No	1	Well Water	Below Ground	
BF	03/31/2014	12:00	No	No	No	Yes	No	1	Well Water	Below Ground	
EMERY SCOTT	11/26/2014	12:00	No	No	No	Yes	No	1	Well Water	Below Ground	
CW	06/03/2015	09:45	No	No	No	No	No	6	Well Water	Below G	CW

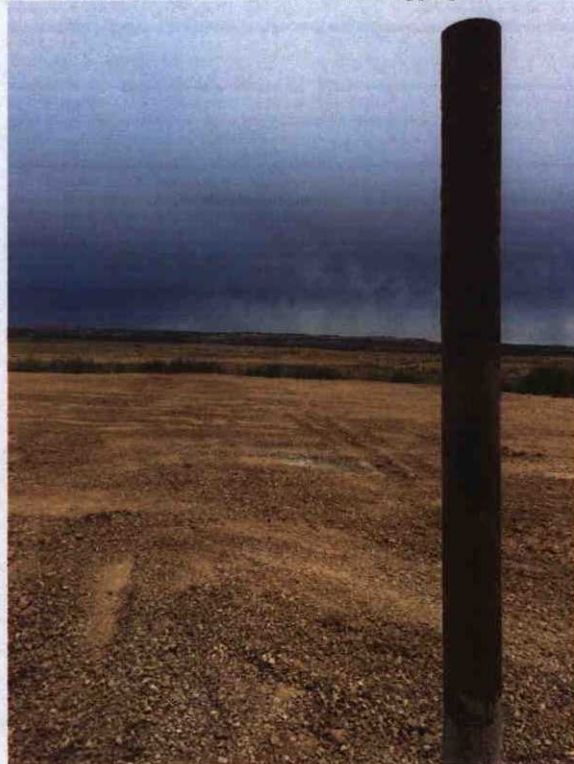


XTO Energy, Inc.  
Stanolind Gas Com B #5H  
Section 9 (P), Township 32N, Range 12W  
Closure Date: 6/24/2015

Photo 1: Stanolind Gas Com B #5H after Plugging and Abandoning



Photo 2: Stanolind Gas Com B #5H after Plugging and Abandoning





XTO Energy, Inc.  
Stanolind Gas Com B #5H  
Section 9 (P), Township 32N, Range 12W  
Closure Date: 6/24/2015

Photo 3: Stanolind Gas Com B #5H after Plugging and Abandoning

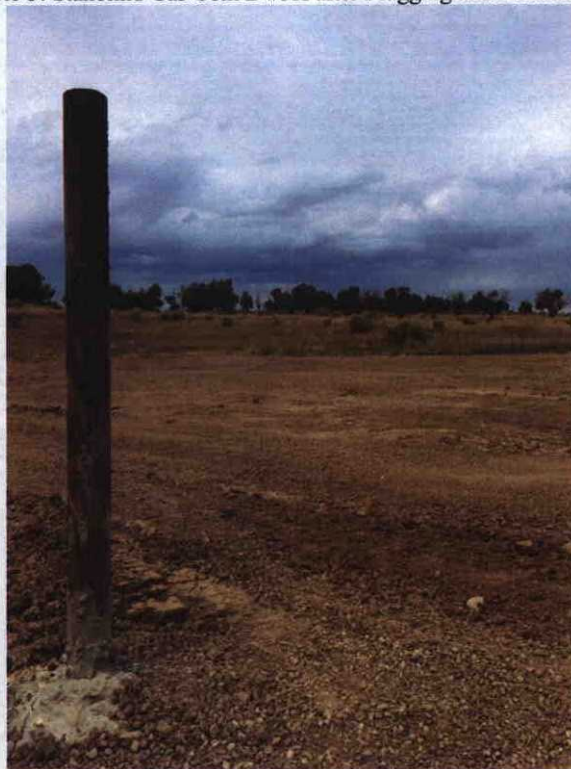
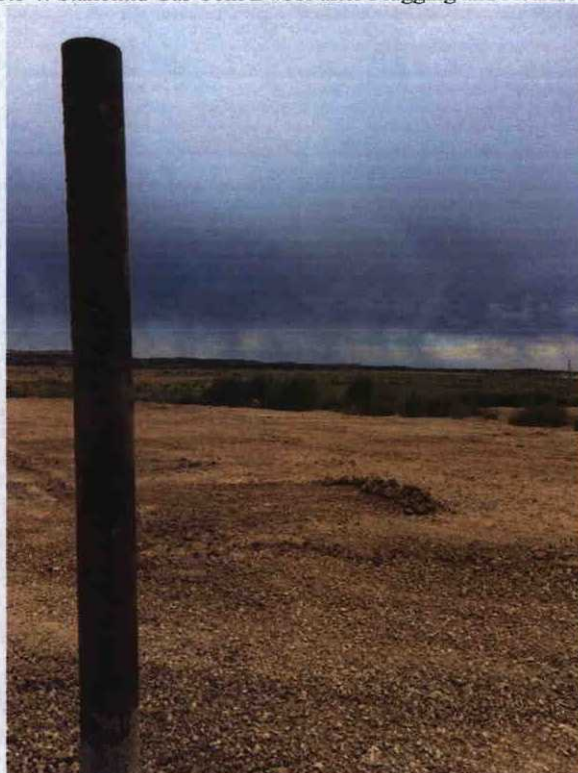


Photo 4: Stanolind Gas Com B #5H after Plugging and Abandoning





June 10, 2015

Mr. Cory Smith  
Oil Conservation Division  
1000 Rio Brazos Rd.  
Aztec, New Mexico 87410

Email: cory.smith@state.nm.us  
Phone (505) 334-6178 Ext 115

**RE: VARIANCE REQUEST FOR 19.15.17 NMAC TABLE I AND TABLE II**

Mr. Smith,

Please accept this letter as a variance request as outlined in 19.15.17.15(A) NMAC. XTO Energy would like to request the replacement of USEPA Method 418.1 for the analysis of Total Petroleum Hydrocarbons (TPH) for USEPA Method 8015M, measuring carbon ranges C6-C36, for all sampling associated with closures and confirmations samples in relation to 19.15.17 NMAC, both in Table I and Table II (2103) and the 'pit rule' passed in 2008.

XTO Energy is requesting this variance on the grounds that USEPA Method 418.1 is an outdated analytical method that reports a full range of hydrocarbons from C<sub>8</sub> through C<sub>40</sub>. (*Reference: American Petroleum Institute*). The attached table demonstrates the carbon ranges, and the typical hydrocarbon products that can be found in those ranges. As you can see, lube oil ranges from C<sub>28</sub>-C<sub>35</sub>. Analytical Method USEPA 418.1 extends past lube oils from C<sub>35</sub> through C<sub>40</sub>. This range of hydrocarbons is above the range that can reasonably be expected to be found in our field in both drilling pits and beneath below grade tanks. USEPA Method 8015M (GRO/DRO + extended analysis) will report hydrocarbons ranging from C<sub>6</sub>-C<sub>10</sub> for GRO, C<sub>10</sub>-C<sub>28</sub> for DRO, and C<sub>28</sub>-C<sub>36</sub> for extended analysis. This information was provided by Environmental Science Corporation Laboratories. As the information demonstrates, the 8015M analytical method reports as low as C<sub>6</sub>, reporting lower than USEPA Method 418.1. Utilizing analytical method 8015M, lighter range hydrocarbons will be reported instead of higher range, heavy hydrocarbons that may not be reasonably expected to be found in our field. Utilization of USEPA Method 8015M will better protect groundwater resources by identifying lighter, more mobile hydrocarbons that USEPA Method 418.1 cannot identify. The heavier range hydrocarbons, C<sub>36</sub>-C<sub>40</sub>, that are not identified by USEPA Method 8015M are not a mobile form of hydrocarbon, and are not a threat to human health and the environment. With your acceptance of this variance request, XTO Energy will begin utilizing USEPA Method 8015M in place of USEPA Method 418.1 for all sampling activities associated with 19.15.17 NMAC, both from the rules passed in 2008 and 2013.

Respectfully Submitted,

James McDaniel, CHMM #15676  
EH&S Supervisor  
XTO Energy, Inc.  
Western Division



**Carbon Ranges of Typical Hydrocarbons**

<b>Hydrocarbon</b>	<b>Carbon Range</b>
Condensate	C2-C12
Aromatics	C5-C7
Gasoline	C7-C11
Kerosene	C6-C16
Diesel Fuel	C8-C21
Fuel Oil #1	C9-C16
Fuel Oil #2	C11-C20
Heating Oil	C14-C20
Lube Oil	C28-C35