

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

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

Form C-144  
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.  
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

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

Operator: XTO Energy, Inc. OGRID #: 5380  
Address: 382 Road 3100, Aztec, New Mexico 87410  
Facility or well name: Gardner C #4A  
API Number: 30-045-32055 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr F Section 25 Township 32N Range 9W County: San Juan  
Center of Proposed Design: Latitude N 36.95821 Longitude W -107.73466 NAD: ☐ 1927 ☒ 1983  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

RCVD JAN 22 '14  
OIL CONS. DIV.  
DIST. 3

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 DEC 6 '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 ☐ Not labeled  
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 \_\_\_\_\_

---

7.  
**Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

☐ Screen ☐ Netting ☐ Other \_\_\_\_\_

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

---

8.  
**Signs:** Subsection C of 19.15.17.11 NMAC

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

☐ Signed in compliance with 19.15.3.103 NMAC

---

9.  
**Administrative Approvals and Exceptions:**  
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  
**Please check a box if one or more of the following is requested, if not leave blank:**

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

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

---

10.  
**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC  
**Instructions:** The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input 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 type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. ( <i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i> ) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input 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. ( <i>Applies to permanent pits</i> ) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input 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 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.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland.	<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

11.

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC  
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  
☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  
☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  
☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_  
☐ Previously Approved Operating and Maintenance Plan API Number: \_\_\_\_\_ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Climatological Factors Assessment  
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Quality Control/Quality Assurance Construction and Installation Plan  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan  
☐ Emergency Response Plan  
☐ Oil Field Waste Stream Characterization  
☐ Monitoring and Inspection Plan  
☐ Erosion Control Plan  
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

**Proposed Closure:** 19.15.17.13 NMAC**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

- Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Closed-loop System  
☐ Alternative  
 Proposed Closure Method: ☒ Waste Excavation and Removal  
☐ Waste Removal (Closed-loop systems only)  
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)  
☐ In-place Burial ☐ On-site Trench Burial  
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

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

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

16.

**Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)**Instructions:** Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

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

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

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?☐ Yes (If yes, please provide the information below) ☐ No*Required for impacted areas which will not be used for future service and operations:*☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

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

Ground water is less than 50 feet below the bottom of the buried waste.

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

☐ Yes ☐ No  
☐ NA

Ground water is between 50 and 100 feet below the bottom of the buried waste

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

☐ Yes ☐ No  
☐ NA

Ground water is more than 100 feet below the bottom of the buried waste.

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

☐ Yes ☐ No  
☐ NA

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

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

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

☐ Yes ☐ No

Within 500 feet of a wetland.

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

☐ Yes ☐ No

Within the area overlying a subsurface mine.

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

☐ Yes ☐ No

Within an unstable area.

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

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

18.

**On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

**Operator Application Certification:**

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

Name (Print): Logan Hixon Title: EHS Coordinator

Signature: Logan Hixon Date: December 4, 2013

E-mail address: Logan\_Hixon@xtoenergy.com Telephone: 505-333-3683

20.

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

OCD Representative Signature: [Signature] Approval Date: 12/9/2013

Title: Compliance Officer OCD Permit Number: 1/31/2014

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: January 9, 2014

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: Logan Hixon Date: January 15, 2014

E-mail address: Logan\_Hixon@xtoenergy.com Telephone: (505) 333-3683

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683	
Facility Name: Gardner C #4A	Facility Type: Gas Well (Fruitland Coal)	
Surface Owner: Federal Land	Mineral Owner	API No. 30-045-32055

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	25	32 N	9W	1625	FNL	1490	FWL	San Juan

Latitude: N36\*.95821 Longitude: W-107\*.73466

### NATURE OF RELEASE

Type of Release: N/A	Volume of Release:	Volume Recovered:
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? 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 Gardner C #4A well site due to upgrades made to this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for TPH, Benzene, Total BTEX and the total chlorides, confirming that a release has not occurred at this location.		
Describe Area Affected and Cleanup Action Taken.* No release has been confirmed for this location.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

### OIL CONSERVATION DIVISION

Signature: <u>Logan Hixon</u>	Approved by Environmental Specialist:	
Printed Name: Logan Hixon		
Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>January 15, 2013</u> Phone: 505-333-3683		

\* Attach Additional Sheets If Necessary

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

**Lease Name: Gardner C #4A**

**API No.: 30-045-32055**

**Description: Unit F, Section 25, Township 32N, Range 9W, 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 January 9, 2014**

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 January 9, 2014**

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.

**Equipment will remain in place for continued production activities at the Gardner C #4A**

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	< 0.0030 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.0449 mg/kg
TPH	EPA SW-846 418.1	100	63.9 mg/kg
Chlorides	EPA 300.1	250 or background	< 12 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. Brandon Powell with the Aztec office of the OCD via email on December 16, 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 December 16, 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 location will not be recontoured at this time due to continued operations of the Gardner C #4A well site.**
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 of the BGT has been backfilled at this time meeting the above requirements.**
13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.  
**The site will not be reclaimed at this time to facilitate the continued operations at the Gardner C #4A well site, and will be reclaimed per BLM MOU at the time of plugging and abandoning the well site.**
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); **Will occur at the time of plugging and abandoning of the Gardner C #4A well site per BLM MOU.**
  - viii. Photo documentation of the site reclamation. **attached**
15. The closure date is past the one week notification requirement date due to unforeseen delays in access to the well site due to weather conditions.



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859  
  
Tax I.D. 62-0814289  
  
Est. 1970

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

### Report Summary

Tuesday December 03, 2013

Report Number: L671021

Samples Received: 11/27/13

Client Project:

Description: Gardner C 4A

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

Entire Report Reviewed By:

Daphne Richards , ESC Representative

### Laboratory Certification Numbers

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

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

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 03, 2013

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

ESC Sample # : L671021-01

Date Received : November 27, 2013  
Description : Gardner C 4A

Site ID :

Sample ID : FARLH-112613-0700

Project # :

Collected By : Logan Hixon  
Collection Date : 11/26/13 07:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	BDL	12.	mg/kg	9056	11/28/13	1
Total Solids	83.9	0.100	%	2540 G-2011	12/03/13	1
Benzene	BDL	0.0030	mg/kg	8021/8015	12/01/13	5
Toluene	BDL	0.030	mg/kg	8021/8015	12/01/13	5
Ethylbenzene	BDL	0.0030	mg/kg	8021/8015	12/01/13	5
Total Xylene	BDL	0.0089	mg/kg	8021/8015	12/01/13	5
TPH (GC/FID) Low Fraction	BDL	0.60	mg/kg	GRO	12/01/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	92.1		% Rec.	8021/8015	12/01/13	5
a,a,a-Trifluorotoluene(PID)	100.		% Rec.	8021/8015	12/01/13	5
TPH (GC/FID) High Fraction	BDL	4.8	mg/kg	3546/DRO	11/29/13	1
Surrogate recovery(%)						
o-Terphenyl	55.1		% Rec.	3546/DRO	11/29/13	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: 12/03/13 13:33 Printed: 12/03/13 13:58

Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L671021-01	WG694715	SAMP	TPH (GC/FID) High Fraction	R2860844	J6J3

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



**YOUR LAB OF CHOICE**

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

Quality Assurance Report  
Level II

L671021

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

December 03, 2013

Analyte	Result	Laboratory Blank Units % Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction	< 4	mg/kg		WG694715	11/29/13 01:40
o-Terphenyl		% Rec. 84.20	50-150	WG694715	11/29/13 01:40
Chloride	< 10	mg/kg		WG694743	11/28/13 13:02
Benzene	< .0005	mg/kg		WG694921	11/30/13 23:48
Ethylbenzene	< .0005	mg/kg		WG694921	11/30/13 23:48
Toluene	< .005	mg/kg		WG694921	11/30/13 23:48
TPH (GC/FID) Low Fraction	< .1	mg/kg		WG694921	11/30/13 23:48
Total Xylene	< .0015	mg/kg		WG694921	11/30/13 23:48
a,a,a-Trifluorotoluene (FID)		% Rec. 92.50	59-128	WG694921	11/30/13 23:48
a,a,a-Trifluorotoluene (PID)		% Rec. 101.0	54-144	WG694921	11/30/13 23:48
Total Solids	< .1	%		WG695120	12/03/13 06:43

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	160.	150.	6.45	20	L671090-06	WG694743
Chloride	mg/kg	56.0	57.0	1.77	20	L671090-12	WG694743
Total Solids	%	97.3	97.4	0.111	5	L671127-05	WG695120

Analyte	Units	Laboratory Control Sample Known Val Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction	mg/kg	60	41.9	69.8	50-150
o-Terphenyl				82.80	50-150
Chloride	mg/kg	200	209.	105.	80-120
Benzene	mg/kg	.05	0.0454	90.8	70-130
Ethylbenzene	mg/kg	.05	0.0466	93.1	70-130
Toluene	mg/kg	.05	0.0457	91.4	70-130
Total Xylene	mg/kg	.15	0.141	94.0	70-130
a,a,a-Trifluorotoluene (PID)				100.0	54-144
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.60	83.7	63.5-137
a,a,a-Trifluorotoluene (FID)				99.40	59-128
Total Solids	%	50	50.0	100.	85-115

Analyte	Units	Laboratory Control Sample Duplicate Result Ref %Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	mg/kg	44.5	41.9	74.0	50-150	6.13
o-Terphenyl				85.40	50-150	20
Chloride	mg/kg	210.	209.	105.	80-120	0.477
Benzene	mg/kg	0.0473	0.0454	95.0	70-130	4.16

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

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



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Quality Assurance Report  
Level II

Aztec, NM 87410

December 03, 2013

L671021

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Ethylbenzene	mg/kg	0.0487	0.0466	97.0	70-130	4.38	20	WG694921
Toluene	mg/kg	0.0475	0.0457	95.0	70-130	3.84	20	WG694921
Total Xylene	mg/kg	0.147	0.141	98.0	70-130	4.38	20	WG694921
a,a,a-Trifluorotoluene (PID)				101.0	54-144			WG694921
TPH (GC/FID) Low Fraction	mg/kg	4.68	4.60	85.0	63.5-137	1.71	20	WG694921
a,a,a-Trifluorotoluene (FID)				99.50	59-128			WG694921

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
TPH (GC/FID) High Fraction	mg/kg	29.5	0.116	60	49.0*	50-150	L671021-01	WG694715
o-Terphenyl					66.70	50-150		WG694715
Chloride	mg/kg	580.	110.	500	94.0	80-120	L671090-08	WG694743
Benzene	mg/kg	0.220	0.000338	.05	88.0	49.7-127	L671251-01	WG694921
Ethylbenzene	mg/kg	0.214	0.000202	.05	85.0	40.8-141	L671251-01	WG694921
Toluene	mg/kg	0.215	0.000545	.05	86.0	49.8-132	L671251-01	WG694921
Total Xylene	mg/kg	0.644	0.000925	.15	86.0	41.2-140	L671251-01	WG694921
a,a,a-Trifluorotoluene (PID)					100.0	54-144		WG694921
TPH (GC/FID) Low Fraction	mg/kg	18.9	0.0410	5.5	69.0	28.5-138	L671251-01	WG694921
a,a,a-Trifluorotoluene (FID)					97.60	59-128		WG694921

Analyte	Units	Matrix Spike Duplicate				Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec						
TPH (GC/FID) High Fraction	mg/kg	39.0	29.5	64.7	50-150	27.7*	20	L671021-01	WG694715	
o-Terphenyl				66.50	50-150					WG694715
Chloride	mg/kg	583.	580.	94.6	80-120	0.516	20	L671090-08	WG694743	
TPH (GC/FID) Low Fraction	mg/kg	18.4	18.9	66.6	28.5-138	3.12	23.6	L671251-01	WG694921	
a,a,a-Trifluorotoluene (FID)				97.00	59-128					WG694921
Benzene	mg/kg	0.175	0.220	70.0	49.7-127	22.7	23.5	L671251-01	WG694921	
Ethylbenzene	mg/kg	0.204	0.214	81.7	40.8-141	4.42	23.8	L671251-01	WG694921	
Toluene	mg/kg	0.177	0.215	70.4	49.8-132	19.8	23.5	L671251-01	WG694921	
Total Xylene	mg/kg	0.596	0.644	79.3	41.2-140	7.80	23.7	L671251-01	WG694921	
a,a,a-Trifluorotoluene (PID)				101.0	54-144					WG694921

Batch number /Run number / Sample number cross reference

WG694715: R2860844: L671021-01  
WG694743: R2860846: L671021-01  
WG694921: R2861341: L671021-01  
WG695120: R2861864: L671021-01

\* \* 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.'



**YOUR LAB OF CHOICE**

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

Aztec, NM 87410

Quality Assurance Report  
Level II

L671021

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

December 03, 2013

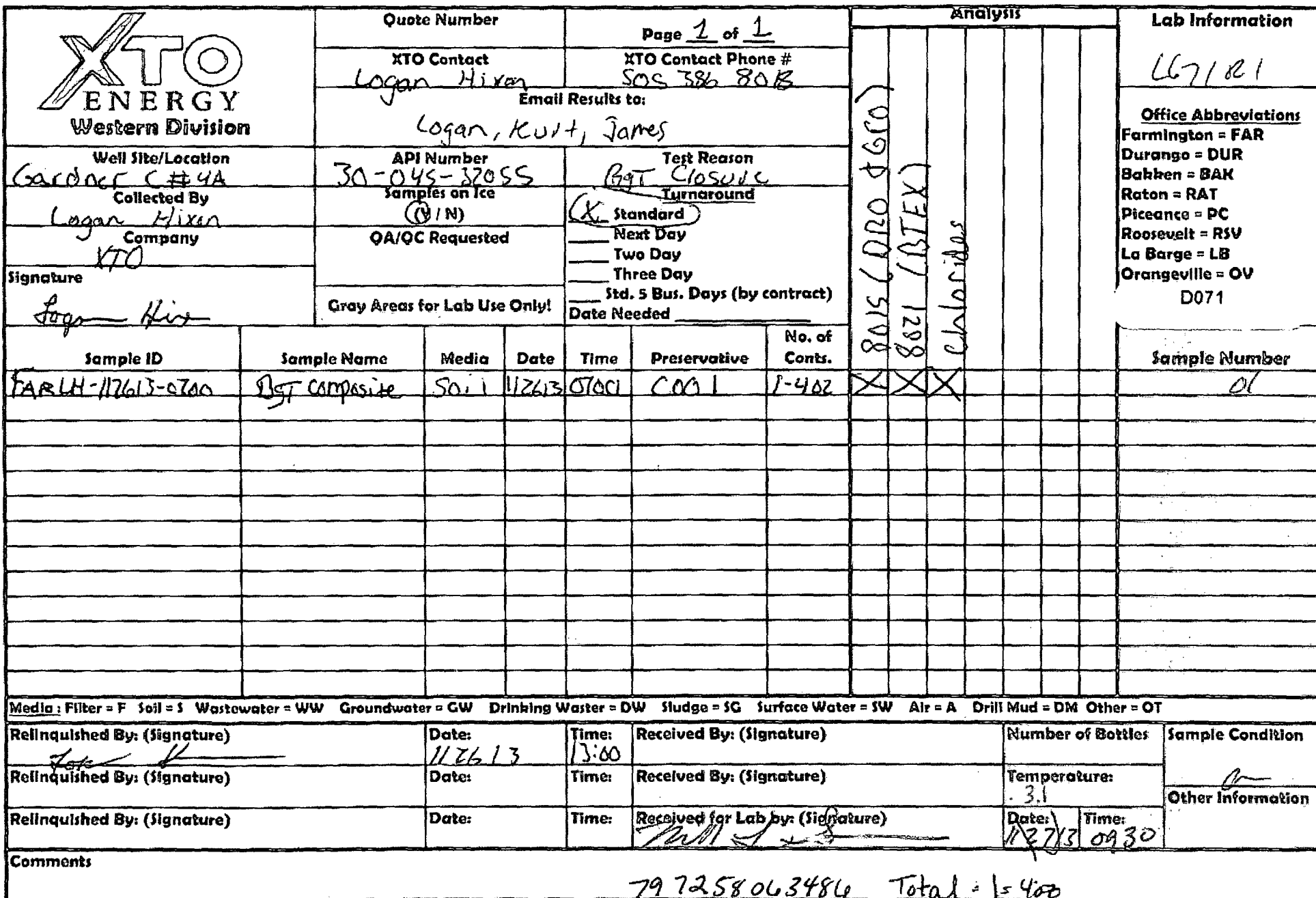
The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the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

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

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

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





0332



## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0334

Samples Received: 12/4/2013 12:20:00PM

Job Number: 98031-0528

Work Order: P312021

Project Name/Location: Gardner C #4A

Entire Report Reviewed By:

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

Tim Cain, Laboratory Manager

Date: 12/11/13

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: Gardner C #4A  
Project Number: 98031-0528  
Project Manager: Logan Hixon

Reported:  
11-Dec-13 14:40

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Compos	P312021-01A	Soil	11/26/13	12/04/13	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

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

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





XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Gardner C #4A  
Project Number: 98031-0528  
Project Manager: Logan Hixon

**Reported:**  
11-Dec-13 14:40

**BGT Compos**  
**P312021-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Petroleum Hydrocarbons by 418.1										
Total Petroleum Hydrocarbons	63.9	20.0	mg/kg	1	1350010	12/10/13	12/10/13	EPA 418.1		

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

envirotech-inc.com  
laboratory@envirotech-inc.com



XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Gardner C #4A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 11-Dec-13 14:40
---	---	------------------------------

### 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
<b>Batch 1350010 - 418 Freon Extraction</b>										
<b>Blank (1350010-BLK1)</b>				Prepared & Analyzed: 10-Dec-13						
Total Petroleum Hydrocarbons	ND	19.9	mg/kg							
<b>Duplicate (1350010-DUP1)</b>				Source: P312037-01 Prepared & Analyzed: 10-Dec-13						
Total Petroleum Hydrocarbons	3470	200	mg/kg		3270			5.83	30	
<b>Matrix Spike (1350010-MS1)</b>				Source: P312037-01 Prepared & Analyzed: 10-Dec-13						
Total Petroleum Hydrocarbons	1400		mg/L	500	822	116	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

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

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





XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Gardner C #4A  
Project Number: 98031-0528  
Project Manager: Logan Hixon

**Reported:**  
11-Dec-13 14:40

#### 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

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.


5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

envirotech-inc.com  
laboratory@envirotech-inc.com

	Quote Number		Page <u>1</u> of <u>1</u>		<b>Analysis</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <div style="border: 1px solid black; padding: 2px;">418.1</div> </div> <div style="width: 50%;"> <div style="border: 1px solid black; height: 100px;"></div> </div> </div>						<b>Lab Information</b>  <u>980310528</u>			
	XTO Contact <u>Logan H.</u>		XTO Contact Phone # <u>505 386 8018</u>										<b>Office Abbreviations</b> Farmington = FAR Durango = DUR Bakken = BAK Raton = RAT Piceance = PC Roosevelt = RSV La Barge = LB Orangeville = OV	
	Email Results to: <u>Logan, James, Kurt</u>													
Well Site/Location <u>Gardner C #4A</u>	API Number		Test Reason <u>BGT CLOSURE</u>											
Collected By <u>Logan Hixon</u>	Samples on Ice (M/N)		Turnaround <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Next Day <input type="checkbox"/> Two Day <input type="checkbox"/> Three Day <input type="checkbox"/> Std. 5 Bus. Days (by contract)											
Company <u>XTO</u>	QA/QC Requested		Date Needed _____											
Signature <u>[Signature]</u>	Gray Areas for Lab Use Only!													
Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.							<b>Sample Number</b> <u>P312021-01</u>	
<u>FARLH-112613-0700</u>	<u>Bgt Compos</u>	<u>S</u>	<u>112613</u>	<u>0700</u>	<u>COOL</u>	<u>1-402</u>								
Media : Filter = F   Soil = S   Wastewater = WW   Groundwater = GW   Drinking Water = DW   Sludge = SG   Surface Water = SW   Air = A   Drill Mud = DM   Other = OT														
Relinquished By: (Signature) <u>[Signature]</u>		Date: <u>11-4-13</u>	Time: <u>12:20</u>	Received By: (Signature) <u>[Signature]</u>		Number of Bottles		Sample Condition						
Relinquished By: (Signature)		Date:	Time:	Received By: (Signature)		Temperature:		Other Information						
Relinquished By: (Signature)		Date:	Time:	Received for Lab by: (Signature) <u>[Signature]</u>		Date: <u>12/10/13</u>	Time: <u>12:20</u>							
Comments														

\* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

0334

## Hoekstra, Kurt

---

**From:** Hoekstra, Kurt  
**Sent:** Monday, December 16, 2013 8:54 AM  
**To:** Brandon Powell (brandon.powell@state.nm.us)  
**Subject:** BGT Closure Gardner C # 4A

Brandon,

Please accept this email as the required 72 hour notification for BGT closure activities at the Gardner C # 4A well site (30-045-32055) located in Section 25, Township 32N, Range 9W, San Juan County, New Mexico. This BGT is being closed due to facility upgrades this location. Thank you for your time in regards to this matter.

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, December 16, 2013 8:53 AM  
**To:** Mark Kelly (Mark\_Kelly@blm.gov)  
**Subject:** BGT Closure Notification Gardner C # 4A

Mark Kelly,

Please accept this email as the required 72 hour notification for BGT closure activities at the Gardner C # 4A well site (30-045-32055) located in Section 25, Township 32N, Range 9W, San Juan County, New Mexico. This BGT is being closed due to facility upgrades this location. Thank you for your time in regards to this matter.

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 23B	GARDNER C 004A	Rodgers, Jerry	Bramwell, Chris	GARDNER C 04A	3004532055	25	9W	32N			
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstIFT	PitLocation	PitType	Notes
Rick Delabarcena	04/15/2009	03:30	No	No	No	Yes	No	3	Compressor	Below G	metal containment
Rick Delabarcena	05/29/2010	10:15	No	No	Yes	Yes	No	3	Compressor	Below G	metal containment
Rick Delabarcena	06/29/2010	10:40	No	No	Yes	Yes	No	3	Compressor	Below G	metal containment
TRD	04/25/2011	09:10	No	No	Yes	Yes	No	2	Compressor	Below G	metal containment
TRD	05/30/2011	09:28	No	No	Yes	Yes	No	4	Compressor	Below G	metal containment
TRD	06/14/2011	10:20	No	No	Yes	Yes	No	4	Compressor	Below G	
TRD	07/05/2011	11:08	No	No	Yes	Yes	No	4	Compressor	Below G	
TRD	08/01/2011	08:50	No	No	Yes	Yes	No	4	Compressor	Below G	
TRD	09/02/2011	11:24	No	No	Yes	Yes	No	4	Compressor	Below G	
TRD	10/03/2011	12:50	No	No	Yes	Yes	No	4	Compressor	Below G	
TRD	11/01/2011	09:50	No	No	Yes	Yes	No	4	Compressor	Below G	
JRodgers	01/24/2012	09:50	No	No	Yes	Yes	No	4	Compressor	Below G	
JRodgers	05/08/2012	11:50	No	No	Yes	Yes	No	4	Compressor	Below G	
JRodgers	06/12/2012	12:35	No	No	Yes	Yes	No	4	Compressor	Below G	
JRodgers	07/16/2012	10:00	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	08/06/2012	10:23	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	09/06/2012	07:50	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	10/02/2012	09:32	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	11/05/2012	08:00	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	12/05/2012	09:21	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	01/31/2013	08:55	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	02/04/2013	07:15	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	03/15/2013	07:15	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	04/15/2013	10:15	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	05/15/2013	06:55	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	06/10/2013	09:15	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	07/17/2013	09:15	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	08/05/2013	07:15	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	09/18/2013	07:20	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	10/01/2013	09:10	No	No	Yes	Yes	No	6	Compressor	Below G	
JRodgers	11/12/2013	11:31	No	No	Yes	Yes	No	6	Compressor	Below G	

XTO Energy, Inc.  
Gardner C #4A (30-045-32055)  
Section 25 (F), Township 32N, Range 9W  
Closure Date: January 9, 2014

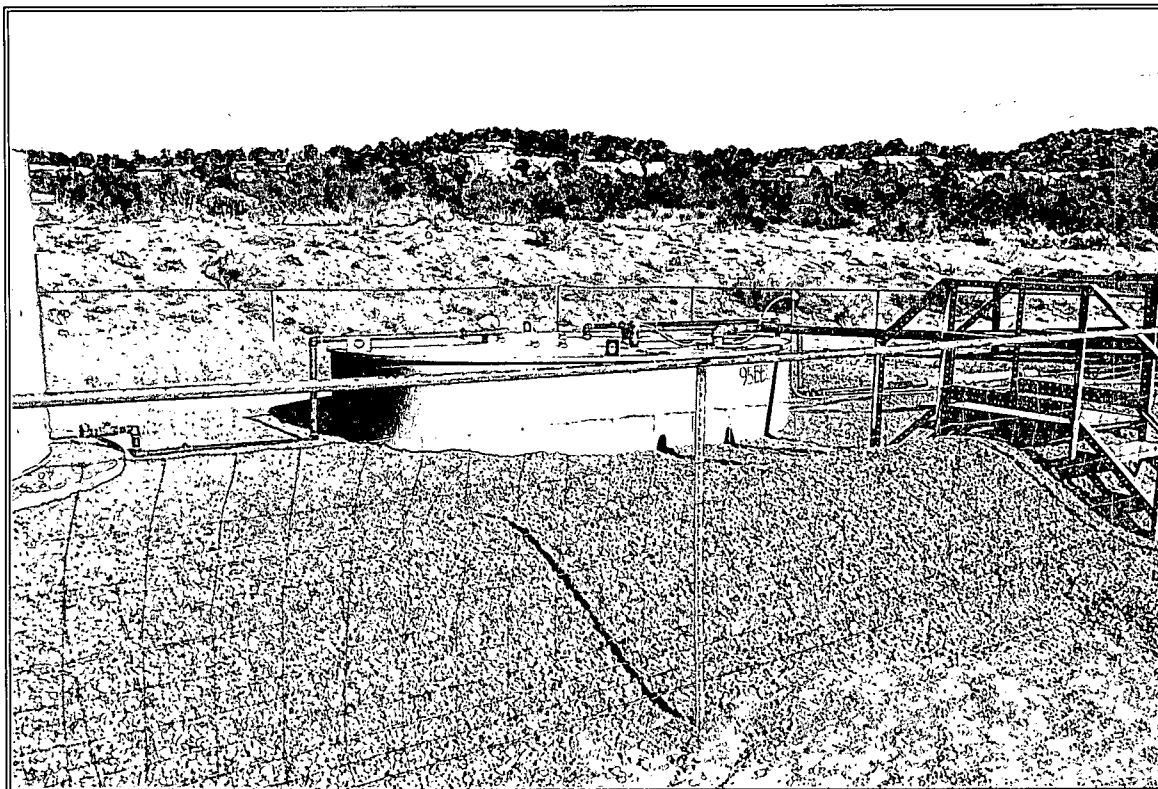


Photo 1: Gardner C #4A after Reconfigure.

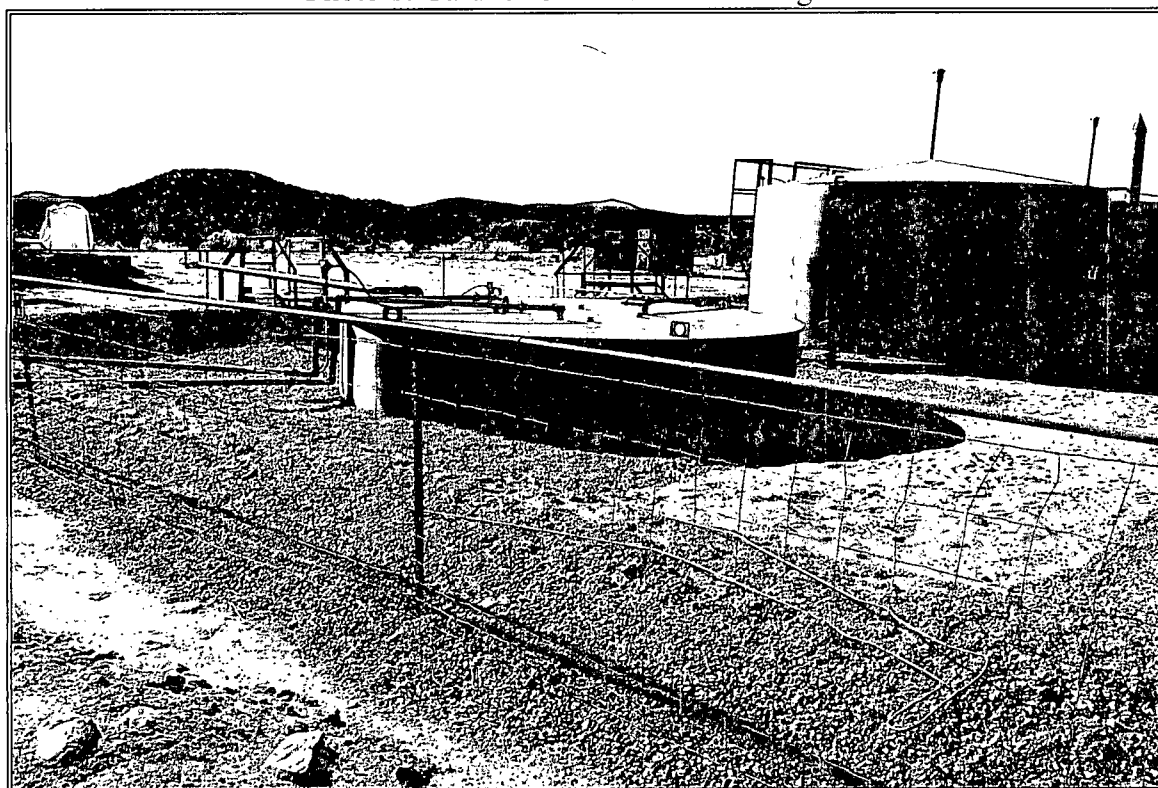


Photo 2: Gardner C #4A after Reconfigure.

XTO Energy, Inc.  
Gardner C #4A (30-045-32055)  
Section 25 (F), Township 32N, Range 9W  
Closure Date: January 9, 2014

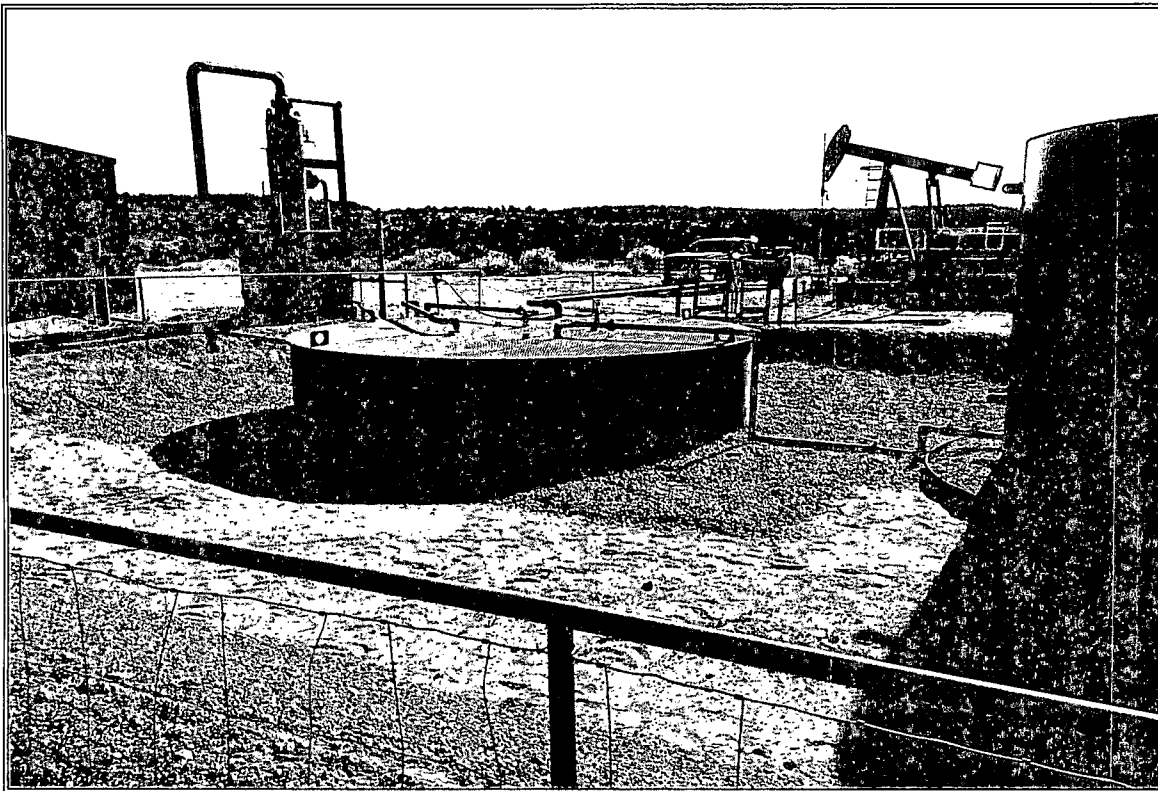


Photo 3: Gardner C #4A after Reconfigure.

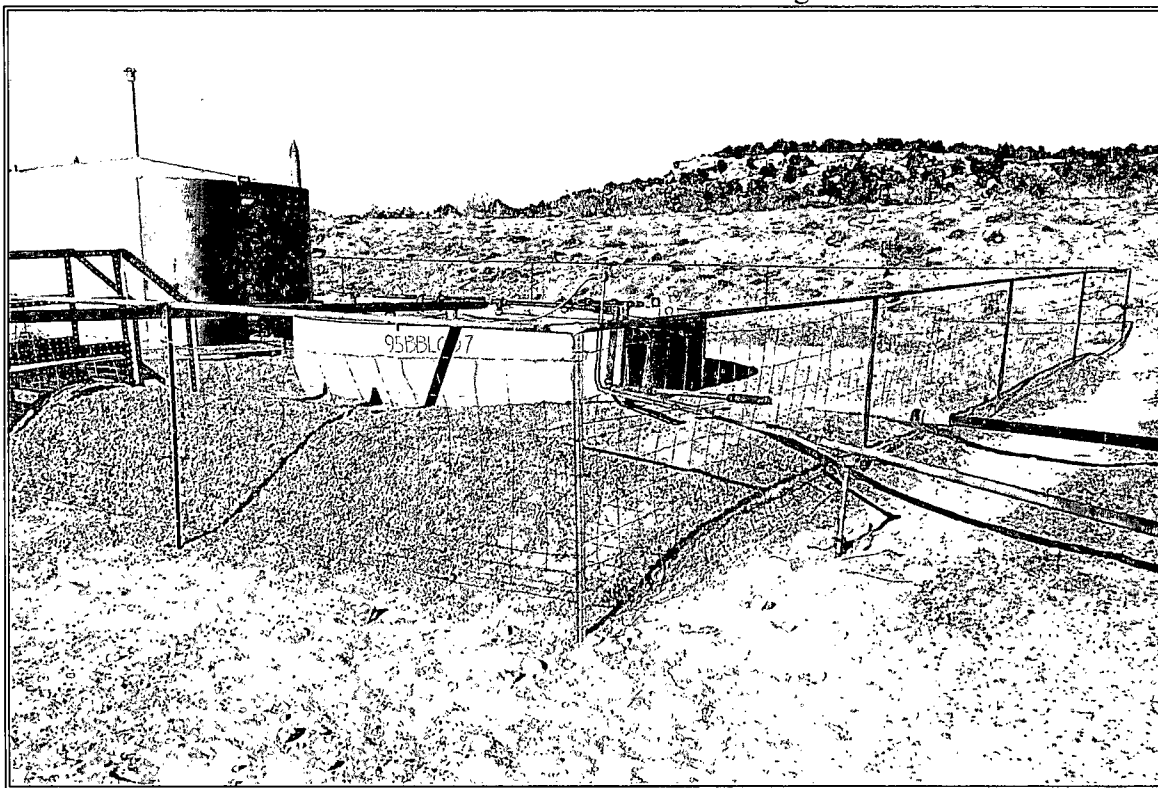


Photo 4: Gardner C #4A after Reconfigure.