

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

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

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

2008 NOV 24 AM 11 44

11729

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  
 Existing BGT  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  
 Modification to an existing permit  
 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

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

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

1.  
 Operator: XTO Energy, Inc. OGRID #: 5380  
 Address: #382 County Road 3100, Aztec, NM 87410  
 Facility or well name: MCCOY GAS COM D #3  
 API Number: 30-045-31287 OCD Permit Number: \_\_\_\_\_  
 U/L or Qtr/Qtr E Section 28 Township 30N Range 12W County: San Juan  
 Center of Proposed Design: Latitude 36.78667 Longitude 108.10833 NAD:  1927  1983  
 Surface Owner:  Federal  State  Private  Tribal Trust or Indian Allotment

2.  
 **Pit:** Subsection F or G of 19.15.17.11 NMAC  
 Temporary:  Drilling  Workover  
 Permanent  Emergency  Cavitation  P&A  
 Lined  Unlined Liner type: Thickness \_\_\_\_\_ mil  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
 String-Reinforced  
 Liner Seams:  Welded  Factory  Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

RCVD FEB 10 '14  
OIL CONS. DIV.  
DIST. 3

3.  
 **Closed-loop System:** Subsection H of 19.15.17.11 NMAC  
 Type of Operation:  P&A  Drilling a new well  Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  
 Drying Pad  Above Ground Steel Tanks  Haul-off Bins  Other \_\_\_\_\_  
 Lined  Unlined Liner type: Thickness \_\_\_\_\_ mil  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
 Liner Seams:  Welded  Factory  Other \_\_\_\_\_

4.  
 **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
 Volume: 120 bbl Type of fluid: Produced Water  
 Tank Construction material: Steel  
 Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
 Visible sidewalls and liner  Visible sidewalls only  Other Visible sidewalls, vaulted, automatic high-level shut off, no liner  
 Liner type: Thickness \_\_\_\_\_ mil  HDPE  PVC  Other \_\_\_\_\_

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

6.  
**Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)  
 Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)  
 Four foot height, four strands of barbed wire evenly spaced between one and four feet  
 Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing

7.  
**Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)  
 Screen  Netting  Other Expanded metal or solid vaulted top  
 Monthly inspections (If netting or screening is not physically feasible)

8.  
**Signs:** Subsection C of 19.15.17.11 NMAC  
 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  
 Signed in compliance with 19.15.3.103 NMAC

9.  
**Administrative Approvals and Exceptions:**  
 Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  
**Please check a box if one or more of the following is requested, if not leave blank:**  
 Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.  
 Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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

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

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

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

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

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

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

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

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

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

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

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

Type:  Drilling  Workover  Emergency  Cavitation  P&A  Permanent Pit  Below-grade Tank  Closed-loop System  
 Alternative

Proposed Closure Method:  Waste Excavation and Removal  
 Waste Removal (Closed-loop systems only)  
 On-site Closure Method (Only for temporary pits and closed-loop systems)  
 In-place Burial  On-site Trench Burial  
 Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

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

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

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

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

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

- Required for impacted areas which will not be used for future service and operations:
- Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
  - Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
  - Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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

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

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

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

19.

**Operator Application Certification:**

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

Name (Print): Kim Champlin Title: Environmental Representative

Signature: Kim Champlin Date: 11-20-08

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

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

OCD Representative Signature: [Signature] Approval Date: 10/10/13

Title: Senior Hydrologist OCD Permit Number: [Signature]

21. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

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

Closure Completion Date: 1-6-14

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): KURT HOEKSTRA Title: ENVIRONMENTAL COORDINATOR

Signature: Kurt Hoekstra Date: 1-27-14

e-mail address: KURT\_HOEKSTRA@xtoenergy.com Telephone: 505-333-3100

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

Form C-141  
Revised August 8, 2011

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

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

|   |  |
|---|--|
| Name of Company: XTO Energy, Inc.               | Contact: Kurt Hoekstra                         |
| Address: 382 Road 3100, Aztec, New Mexico 87410 | Telephone No.: (505) 333-3100                  |
| Facility Name: McCoy Gas Com D # 3              | Facility Type: Gas Well (Basin Fruitland Coal) |
| Surface Owner: Private                          | Mineral Owner                                  |
| API No. 30-045-31287                            |  |

**LOCATION OF RELEASE**

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County   |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| E           | 28      | 30N      | 12W   | 1600          | FNL              | 1070          | FWL            | San Juan |

Latitude: 36.78667 Longitude: -108.10833

**NATURE OF RELEASE**

|  |   |   |
|--|---|---|
| Type of Release: Condensate/Produced Water   | Volume of Release: Unknown                    | Volume Recovered: None                            |
| Source of Release: Below Grade Tank  | Date and Hour of Occurrence<br>Unknown        | Date and Hour of Discovery: 10-13-2013<br>8:45 am |
| Was Immediate Notice Given?<br><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?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.     |   |
| If a Watercourse was Impacted, Describe Fully.*  | RUCVD FEB 10 '14<br>OIL CONS. DIV.<br>DIST. 3 |   |
| Describe Cause of Problem and Remedial Action Taken.*The below grade tank was removed at the McCoy Gas Com D # 3 well site due to facility upgrades at the well site. The BGT cellar beneath the BGT was sampled for TPH via USEPA Method 8015 and 418.1, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'pit rule' standards of, 0.2 ppm benzene, 50 ppm total BTEX, and 250 ppm for chlorides, but above the 100 ppm for TPH at 164 ppm via USEPA Method 418.1 confirming that a release has occurred at this location.  |   |   |
| Describe Area Affected and Cleanup Action Taken.* Based on TPH Results of 164 ppm via USEPA Method 418.1 a release has been confirmed at this location..   |   |   |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |   |   |
| Signature: <i>Kurt Hoekstra</i>  | <b>OIL CONSERVATION DIVISION</b>              |   |
| Printed Name: Kurt Hoekstra  | Approved by Environmental Specialist:         |   |
| Title: EHS Coordinator   | Approval Date:                                | Expiration Date:                                  |
| E-mail Address: Kurt_Hoekstra@xtoenergy.com  | Conditions of Approval:                       | Attached <input type="checkbox"/>                 |
| Date: 1-27-2014 Phone: 505-333-3100  |   |   |

\* Attach Additional Sheets If Necessary

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

RCVD FEB 10 '14  
OIL CONS. DIV.  
DIST. 3

**Lease Name: McCoy Gas Com D #3**

**API No.: 30-045-31287**

**Description: Unit E, Section 28, Township 30N, Range 12W, San Juan County**

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

**General Plan**

1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.  
**Closure Date is January 6<sup>th</sup>, 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 6<sup>th</sup>, 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.

**All equipment will remain on location for the continued production of oil and gas.**

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

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

| Components | Test Method               | Limit (mg/Kg) | Results (mg/Kg) |
|------------|---------------------------|---------------|-----------------|
| Benzene    | EPA SW-846 8021B or 8260B | 10            | < 0.0028 mg/kg  |
| BTEX       | EPA SW-846 8021B or 8260B | 50            | < 0.0421 mg/kg  |
| TPH        | EPA SW-846 418.1          | 100           | 164 mg/kg       |
| Chlorides  | EPA 300.1                 | 250           | 25 mg/kg        |

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.  
**Due to TPH of 164 PPM, a release has been confirmed for this location. A C-141 Release Notification form will be sent outlining any remediation activities taken regarding this release.**
9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.  
**The pit cellar was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover.**
10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally. The notification will include the following:
- i. Operator's name
  - ii. Well Name and API Number
  - iii. Location by Unit Letter, Section, Township, and Range
- Notification was provided to Mr. Brandon Powell with the Aztec office of the OCD via email on October 8<sup>th</sup>, 2013; see attached email printout.**

The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.

**The surface owner was notified on October 8<sup>th</sup>, 2013; see attached letter and return receipt**

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 after the well has been P & A'd.**
12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.  
**The site has been backfilled to match these specifications.**
13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.  
**The location will be reclaimed pursuant to the BLM MOU**
14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
  - i. Proof of closure notice to division and surface owner; **attached**
  - ii. Details on capping and covering, where applicable; **per OCD Specifications**
  - iii. Inspection reports; **attached**
  - iv. Confirmation sampling analytical results; **attached**
  - v. Disposal facility name(s) and permit number(s); **see above**
  - vi. Soil backfilling and cover installation; **per OCD Specifications**
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **Per BLM MOU**
  - 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 the upgrade activities at this well site.



## Hoekstra, Kurt

---

**From:** Hoekstra, Kurt  
**Sent:** Tuesday, October 08, 2013 11:14 AM  
**To:** Brandon Powell (brandon.powell@state.nm.us)  
**Subject:** BGT Closure McCoy Gas Com D # 3

Brandon,

Please accept this email as the required notification for BGT closure activities at the McCoy Gas Com D # 3 well site (API # 30-045-31287) located in Unit E, Section 28, Township 30N, Range 12W, San Juan County, New Mexico. This below grade tank is being closed due to facility upgrades at this well site. 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)

October 8<sup>th</sup>, 2013

Northbrook Enterprises,  
Attn: Val Jolley  
P O Box 2364  
Farmington, NM 87499

Re: McCoy Gas Com D # 3 API # 30-045-31287

Unit E, Section 28, Township 30N, Range 12W, San Juan County, New Mexico

Val Jolley ,

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

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

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Kurt Hoekstra".

Kurt Hoekstra

Environmental Coordinator  
XTO Energy, Inc.  
Western Division



## Analytical Report

### Report Summary

Client: XTO Energy Inc.  
Chain Of Custody Number: 0429  
Samples Received: 10/8/2013 1:45:00PM  
Job Number: 98031-0528  
Work Order: P310029  
Project Name/Location: McCoy Gas Com D #3

Entire Report Reviewed By:

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

Date: 10/10/13

Tim Cain, Laboratory Manager

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



|   |   |                                     |
|---|---|-------------------------------------|
| XTO Energy Inc.<br>382 CR 3100<br>Aztec NM, 87410 | Project Name: McCoy Gas Com D #3<br>Project Number: 98031-0528<br>Project Manager: James McDaniel | <b>Reported:</b><br>10-Oct-13 08:43 |
|---|---|-------------------------------------|

### Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BGT Cellar       | P310029-01A   | Soil   | 10/08/13 | 10/08/13 | 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.<br>382 CR 3100<br>Aztec NM, 87410 | Project Name: McCoy Gas Com D #3<br>Project Number: 98031-0528<br>Project Manager: James McDaniel | <b>Reported:</b><br>10-Oct-13 08:43 |
|---|---|-------------------------------------|

**BGT Cellar**  
**P310029-01 (Solid)**

| Analyte                                      | Result | Reporting |       | Units | Dilution | Batch    | Prepared | Analyzed  | Method | Notes |
|--|--------|-----------|-------|-------|----------|----------|----------|-----------|--------|-------|
|  |        | Limit     |       |       |          |          |          |           |        |       |
| <b>Total Petroleum Hydrocarbons by 418.1</b> |        |           |       |       |          |          |          |           |        |       |
| Total Petroleum Hydrocarbons                 | 164    | 20.0      | mg/kg | 1     | 1341025  | 10/09/13 | 10/09/13 | EPA 418.1 |        | B     |

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



|   |   |                              |
|---|---|------------------------------|
| XTO Energy Inc.<br>382 CR 3100<br>Aztec NM, 87410 | Project Name: McCoy Gas Com D #3<br>Project Number: 98031-0528<br>Project Manager: James McDaniel | Reported:<br>10-Oct-13 08:43 |
|---|---|------------------------------|

**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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 1341025 - 418 Freon Extraction**

|                                   |   |      |       |     |      |      |        |      |    |  |
|-----------------------------------|---|------|-------|-----|------|------|--------|------|----|--|
| <b>Blank (1341025-BLK1)</b>       | Prepared & Analyzed: 09-Oct-13                    |      |       |     |      |      |        |      |    |  |
| Total Petroleum Hydrocarbons      | 28.0  | 20.0 | mg/kg |     |      |      |        |      |    |  |
| <b>Duplicate (1341025-DUP1)</b>   | Source: P310029-01 Prepared & Analyzed: 09-Oct-13 |      |       |     |      |      |        |      |    |  |
| Total Petroleum Hydrocarbons      | 183   | 19.9 | mg/kg |     | 164  |      |        | 11.3 | 30 |  |
| <b>Matrix Spike (1341025-MS1)</b> | Source: P310029-01 Prepared & Analyzed: 09-Oct-13 |      |       |     |      |      |        |      |    |  |
| Total Petroleum Hydrocarbons      | 509   |      | mg/L  | 500 | 41.0 | 93.6 | 80-120 |      |    |  |

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



XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: McCoy Gas Com D #3  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
10-Oct-13 08:43

#### Notes and Definitions

B Analyte is found in the associated blank as well as in the sample.  
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

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

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





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

Kurt Hoekstra  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

|   |
|---|
| <p style="text-align: center;"><b>Report Summary</b></p> <p style="text-align: center;">Thursday October 10, 2013</p> <p style="text-align: center;">Report Number: L662024</p> <p style="text-align: center;">Samples Received: 10/09/13</p> <p style="text-align: center;">Client Project:</p> <p style="text-align: center;">Description: McCoy Gas Com D #3</p> |
|---|

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

Entire Report Reviewed By:

Daphne Richards , ESC Representative

#### Laboratory Certification Numbers

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

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

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

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.



YOUR LAB OF CHOICE

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

October 10, 2013

Kurt Hoekstra  
 XTO Energy - San Juan Division  
 382 County Road 3100  
 Aztec, NM 87410

ESC Sample # : L662024-01

Date Received : October 09, 2013  
 Description : McCoy Gas Com D #3

Site ID :

Sample ID : FARKH-100813-1320

Project # :

Collected By : Kurt Hoekstra  
 Collection Date : 10/08/13 13:20

| Parameter                    | Dry Result | Det. Limit | Units  | Method      | Date     | Dil. |
|------------------------------|------------|------------|--------|-------------|----------|------|
| Chloride                     | 25.        | 11.        | mg/kg  | 9056        | 10/09/13 | 1    |
| Total Solids                 | 88.5       | 0.100      | %      | 2540 G-2011 | 10/10/13 | 1    |
| Benzene                      | BDL        | 0.0028     | mg/kg  | 8021/8015   | 10/09/13 | 5    |
| Toluene                      | BDL        | 0.028      | mg/kg  | 8021/8015   | 10/09/13 | 5    |
| Ethylbenzene                 | BDL        | 0.0028     | mg/kg  | 8021/8015   | 10/09/13 | 5    |
| Total Xylene                 | BDL        | 0.0085     | mg/kg  | 8021/8015   | 10/09/13 | 5    |
| TPH (GC/FID) Low Fraction    | BDL        | 0.56       | mg/kg  | GRO         | 10/09/13 | 5    |
| Surrogate Recovery-%         |            |            |        |             |          |      |
| a,a,a-Trifluorotoluene (FID) | 99.3       |            | % Rec. | 8021/8015   | 10/09/13 | 5    |
| a,a,a-Trifluorotoluene (PID) | 101.       |            | % Rec. | 8021/8015   | 10/09/13 | 5    |
| TPH (GC/FID) High Fraction   | 5.4        | 4.5        | mg/kg  | 3546/DRO    | 10/10/13 | 1    |
| Surrogate recovery(%)        |            |            |        |             |          |      |
| o-Terphenyl                  | 68.3       |            | % Rec. | 3546/DRO    | 10/10/13 | 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: 10/10/13 15:00 Printed: 10/10/13 15:00

Summary of Remarks For Samples Printed  
10/10/13 at 15:00:24

TSR Signing Reports: 288  
R2 - Rush: Next Day

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

Sample: L662024-01 Account: XTORNM Received: 10/09/13 09:30 Due Date: 10/10/13 00:00 RPT Date: 10/10/13 15:00



YOUR LAB OF CHOICE

XTO Energy - San Juan Division  
 Kurt Hoekstra  
 382 County Road 3100  
 Aztec, NM 87410

Quality Assurance Report  
 Level II  
 L662024

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

October 10, 2013

| Analyte                      | Result  | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|------------------------------|---------|------------------|-------|--------|----------|----------------|
|                              |         | Units            | % Rec |        |          |                |
| Benzene                      | < .0005 | mg/kg            |       |        | WG685696 | 10/09/13 06:56 |
| Ethylbenzene                 | < .0005 | mg/kg            |       |        | WG685696 | 10/09/13 06:56 |
| Toluene                      | < .005  | mg/kg            |       |        | WG685696 | 10/09/13 06:56 |
| TPH (GC/FID) Low Fraction    | < 1     | mg/kg            |       |        | WG685696 | 10/09/13 06:56 |
| Total Xylene                 | < .0015 | mg/kg            |       |        | WG685696 | 10/09/13 06:56 |
| a,a,a-Trifluorotoluene (FID) |         | % Rec.           | 100.0 | 59-128 | WG685696 | 10/09/13 06:56 |
| a,a,a-Trifluorotoluene (PID) |         | % Rec.           | 103.0 | 54-144 | WG685696 | 10/09/13 06:56 |
| Total Solids                 | < .1    | %                |       |        | WG686190 | 10/10/13 09:30 |
| TPH (GC/FID) High Fraction   | < 4     | mg/kg            |       |        | WG686238 | 10/10/13 09:33 |
| o-Terphenyl                  |         | % Rec.           | 69.60 | 50-150 | WG686238 | 10/10/13 09:33 |
| Chloride                     | < 10    | mg/kg            |       |        | WG686110 | 10/09/13 13:38 |

| Analyte      | Units | Duplicate |           |       | Limit | Ref Samp   | Batch    |
|--------------|-------|-----------|-----------|-------|-------|------------|----------|
|              |       | Result    | Duplicate | RPD   |       |            |          |
| Total Solids | %     | 89.2      | 88.8      | 0.420 | 5     | L662019-04 | WG686190 |
| Chloride     | mg/kg | 1300      | 1300      | 0.0   | 20    | L661634-06 | WG686110 |

| Analyte                      | Units | Laboratory Control Sample |        | % Rec | Limit    | Batch    |
|------------------------------|-------|---------------------------|--------|-------|----------|----------|
|                              |       | Known Val                 | Result |       |          |          |
| Benzene                      | mg/kg | .05                       | 0.0561 | 112.  | 70-130   | WG685696 |
| Ethylbenzene                 | mg/kg | .05                       | 0.0555 | 111.  | 70-130   | WG685696 |
| Toluene                      | mg/kg | .05                       | 0.0562 | 112.  | 70-130   | WG685696 |
| Total Xylene                 | mg/kg | .15                       | 0.162  | 108.  | 70-130   | WG685696 |
| a,a,a-Trifluorotoluene (PID) |       |                           |        | 102.0 | 54-144   | WG685696 |
| TPH (GC/FID) Low Fraction    | mg/kg | 5.5                       | 6.55   | 119.  | 63.5-137 | WG685696 |
| a,a,a-Trifluorotoluene (FID) |       |                           |        | 101.0 | 59-128   | WG685696 |
| Total Solids                 | %     | 50                        | 50.0   | 100.  | 85-115   | WG686190 |
| TPH (GC/FID) High Fraction   | mg/kg | 60                        | 40.3   | 67.1  | 50-150   | WG686238 |
| o-Terphenyl                  |       |                           |        | 69.80 | 50-150   | WG686238 |
| Chloride                     | mg/kg | 200                       | 182.   | 91.0  | 80-120   | WG686110 |

| Analyte                      | Units | Laboratory Control Sample Duplicate |        |       | Limit    | RPD  | Limit | Batch    |
|------------------------------|-------|-------------------------------------|--------|-------|----------|------|-------|----------|
|                              |       | Result                              | Ref    | % Rec |          |      |       |          |
| Benzene                      | mg/kg | 0.0547                              | 0.0561 | 109.  | 70-130   | 2.57 | 20    | WG685696 |
| Ethylbenzene                 | mg/kg | 0.0542                              | 0.0555 | 108.  | 70-130   | 2.27 | 20    | WG685696 |
| Toluene                      | mg/kg | 0.0548                              | 0.0562 | 110.  | 70-130   | 2.55 | 20    | WG685696 |
| Total Xylene                 | mg/kg | 0.158                               | 0.162  | 105.  | 70-130   | 2.48 | 20    | WG685696 |
| a,a,a-Trifluorotoluene (PID) |       |                                     |        | 102.0 | 54-144   |      |       | WG685696 |
| TPH (GC/FID) Low Fraction    | mg/kg | 6.33                                | 6.55   | 115.  | 63.5-137 | 3.34 | 20    | WG685696 |
| a,a,a-Trifluorotoluene (FID) |       |                                     |        | 101.0 | 59-128   |      |       | WG685696 |

\* 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  
 Kurt Hoekstra  
 382 County Road 3100  
 Aztec, NM 87410

Quality Assurance Report  
 Level II  
 L662024

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

October 10, 2013

| Analyte                    | Laboratory Control |        | Sample Duplicate |       | Limit  | RPD  | Limit | Batch    |
|----------------------------|--------------------|--------|------------------|-------|--------|------|-------|----------|
|                            | Units              | Result | Ref              | %Rec  |        |      |       |          |
| TPH (GC/FID) High Fraction | mg/kg              | 37.8   | 40.3             | 63.0  | 50-150 | 6.28 | 20    | WG686238 |
| o-Terphenyl                |                    |        |                  | 66.10 | 50-150 |      |       | WG686238 |
| Chloride                   | mg/kg              | 178.   | 182.             | 89.0  | 80-120 | 2.22 | 20    | WG686110 |

  

| Analyte                     | Units | Matrix Spike |         |     | % Rec | Limit    | Ref Samp   | Batch    |
|-----------------------------|-------|--------------|---------|-----|-------|----------|------------|----------|
|                             |       | MS Res       | Ref Res | TV  |       |          |            |          |
| Benzene                     | mg/kg | 0.248        | 0.0     | .05 | 99.0  | 49.7-127 | L661192-01 | WG685696 |
| Ethylbenzene                | mg/kg | 0.175        | 0.0     | .05 | 70.0  | 40.8-141 | L661192-01 | WG685696 |
| Toluene                     | mg/kg | 0.214        | 0.00110 | .05 | 85.0  | 49.8-132 | L661192-01 | WG685696 |
| Total Xylene                | mg/kg | 0.504        | 0.0     | .15 | 67.0  | 41.2-140 | L661192-01 | WG685696 |
| a,a,a-Trifluorotoluene(PID) |       |              |         |     | 100.0 | 54-144   |            | WG685696 |
| TPH (GC/FID) Low Fraction   | mg/kg | 21.8         | 0.0     | 5.5 | 79.0  | 28.5-138 | L661192-01 | WG685696 |
| a,a,a-Trifluorotoluene(FID) |       |              |         |     | 98.80 | 59-128   |            | WG685696 |
| TPH (GC/FID) High Fraction  | mg/kg | 41.7         | 1.90    | 60  | 66.0  | 50-150   | L662092-01 | WG686238 |
| o-Terphenyl                 |       |              |         |     | 73.50 | 50-150   |            | WG686238 |
| Chloride                    | mg/kg | 816.         | 340.    | 500 | 95.0  | 80-120   | L661634-01 | WG686110 |

  

| Analyte                     | Units | Matrix Spike Duplicate |       | Limit | RPD      | Limit | Ref Samp | Batch      |          |
|-----------------------------|-------|------------------------|-------|-------|----------|-------|----------|------------|----------|
|                             |       | MSD                    | Ref   |       |          |       |          |            | %Rec     |
| TPH (GC/FID) Low Fraction   | mg/kg | 19.0                   | 21.8  | 69.1  | 28.5-138 | 13.8  | 23.6     | L661192-01 | WG685696 |
| a,a,a-Trifluorotoluene(FID) |       |                        |       | 98.80 | 59-128   |       |          |            | WG685696 |
| Benzene                     | mg/kg | 0.217                  | 0.248 | 86.9  | 49.7-127 | 13.1  | 23.5     | L661192-01 | WG685696 |
| Ethylbenzene                | mg/kg | 0.188                  | 0.175 | 75.1  | 40.8-141 | 6.85  | 23.8     | L661192-01 | WG685696 |
| Toluene                     | mg/kg | 0.208                  | 0.214 | 82.7  | 49.8-132 | 3.06  | 23.5     | L661192-01 | WG685696 |
| Total Xylene                | mg/kg | 0.547                  | 0.504 | 73.0  | 41.2-140 | 8.25  | 23.7     | L661192-01 | WG685696 |
| a,a,a-Trifluorotoluene(PID) |       |                        |       | 101.0 | 54-144   |       |          |            | WG685696 |
| TPH (GC/FID) High Fraction  | mg/kg | 34.4                   | 41.7  | 54.2  | 50-150   | 19.1  | 20       | L662092-01 | WG686238 |
| o-Terphenyl                 |       |                        |       | 71.90 | 50-150   |       |          |            | WG686238 |
| Chloride                    | mg/kg | 801.                   | 816.  | 92.2  | 80-120   | 1.86  | 20       | L661634-01 | WG686110 |

Batch number /Run number / Sample number cross reference

WG685696: R2838350: L662024-01  
 WG686190: R2838560: L662024-01  
 WG686238: R2838682: L662024-01  
 WG686110: R2838728: L662024-01

\* \* 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  
Kurt Hoekstra  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L662024

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

October 10, 2013

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

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

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

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





# Well Below Tank Inspection Report

01/27/2014

Division Denver  
 Dates -  
 06/01/2008 - 1/01/2014  
 Type Route Stop  
 Type Value M

| RouteName     | StopName            | Pumper          | Foreman            | WellName                 | APIWellNumber           | Section          | Range        | Township        |                |              |   |
|---------------|---------------------|-----------------|--------------------|--------------------------|-------------------------|------------------|--------------|-----------------|----------------|--------------|---|
| DEN NM Run 85 | MCCOY GAS COM D 003 | Jensen, Dustin  | Durham, Ken        | MCCOY GC D 03            | 3004531287              | 28               | 12W          | 30N             |                |              |   |
| InspectorName | Inspection Date     | Inspection Time | Visible LinerTears | VisibleTankLeak Overflow | Collection OfSurfaceRun | Visible LayerOil | Visible Leak | Freeboard EstFT | PitLocation    | PitType      | Notes   |
| mg            | 08/23/2008          | 08:00           | No                 | No                       | No                      | No               | No           | 4               |                |              |   |
| mg            | 09/13/2008          | 08:00           | No                 | No                       | No                      | No               | No           | 4               |                |              |   |
| AC            | 10/26/2008          | 08:00           | No                 | No                       | No                      | No               | No           | 4               |                |              |   |
| AC            | 11/12/2008          | 08:00           | No                 | No                       | No                      | No               | No           | 4               |                |              |   |
| AC            | 12/29/2008          | 08:00           | No                 | No                       | No                      | No               | No           | 4               |                |              |   |
| AC            | 01/26/2009          | 08:00           | No                 | No                       | No                      | No               | No           | 4               |                |              |   |
| LIBBEY REED   | 03/09/2009          | 11:00           | No                 | No                       | No                      | No               | No           | 4               |                |              | PIT OK  |
| AC            | 04/08/2009          | 11:00           | No                 | No                       | No                      | Yes              | No           | 4               | Well Water Pit | Below Ground | PIT OK  |
| AC            | 12/22/2010          | 11:00           | No                 | No                       | No                      | Yes              | No           | 4               | Well Water Pit | Below Ground | PIT OK  |
| AC            | 01/20/2011          | 11:00           | No                 | No                       | No                      | Yes              | No           | 4               | Well Water Pit | Below Ground | PIT OK  |
| JT            | 05/09/2011          | 02:00           | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 8/23/2011           | 1:05            | No                 | No                       | No                      | Yes              | No           | 3               | Well Water Pit | Below Ground |   |
| JT            | 9/28/2011           | 9:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 11/17/2011          | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 12/20/2011          | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 1/23/2012           | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 2/27/2012           | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 3/29/2012           | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 4/30/2012           | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 5/29/2012           | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 6/29/2012           | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 7/26/2012           | 2:05            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 8/23/2012           | 2:10            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 9/25/2012           | 2:10            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 10/25/2012          | 2:10            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 11/27/2012          | 2:10            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| JT            | 12/24/2012          | 2:10            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| Dj            | 1/4/2013            | 8:50            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| Dj            | 2/28/2013           | 8:50            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground |   |
| Dj            | 3/29/2013           | 1:50            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground | comp mech washed skid to pit                      |
| Dj            | 5/28/2013           | 1:15            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground | comp mech washed skid to pit                      |
| Dj            | 6/27/2013           | 9:00            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground | comp mech washed skid to pit                      |
| Dj            | 7/31/2013           | 9:00            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground | comp mech washed skid to pit                      |
| Dj            | 9/30/2013           | 9:00            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground | pit cellar is caved in called it in to supervisor |
| Dj            | 11/27/2013          | 9:00            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground | pit cellar is caved in called it in to supervisor |
| Dj            | 12/26/2013          | 8:20            | No                 | No                       | No                      | Yes              | No           | 2               | Well Water Pit | Below Ground | pit cellar is caved in called it in to supervisor |

