

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.

2009 JAN 20 PM 1:00

10736

**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: Lefkovitz Gas Com #1X  
 API Number: 30-045-07921 OCD Permit Number: \_\_\_\_\_  
 U/L or Qtr/Qtr A Section 25 Township 29N Range 10W County: San Juan  
 Center of Proposed Design: Latitude 36.699760 Longitude 107.815770 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 DEC 13 '12  
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: 21 bbl Type of fluid: Produced Water  
 Tank Construction material: Steel  
 Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
 Visible sidewalls and liner  Visible sidewalls only  Other Visible sidewalls, vaulted, automatic high-level shut off, no liner  
 Liner type: Thickness \_\_\_\_\_ mil  HDPE  PVC  Other \_\_\_\_\_

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

6.

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

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

7.

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

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

8.

**Signs:** Subsection C of 19.15.17.11 NMAC

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

9.

**Administrative Approvals and Exceptions:**

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

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

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

10.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

16.

**Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)

**Instructions:** Please 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 & 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): Kim Champlin Title: Environmental Representative

Signature: Kim Champlin Date: 01/12/2009

e-mail address: kim\_champlin@xtenergy.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: 12/17/2012

Title: Environmental Engineer Compliance Officer  
OCD Permit Number: \_\_\_\_\_

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: 8-22-12

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: SR. ENVIRONMENTAL TECHNICIAN

Signature: Kurt Hoekstra Date: 12-10-2012

e-mail address: kurt\_hoekstra@xtenergy.com Telephone: 505-333-3100

~~District I~~  
 1625 N. French Dr., Hobbs, NM 88240  
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 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

Form C-141  
 Revised October 10, 2003

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

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: XTO Energy, Inc.	Contact: Kurt Hoekstra
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3202
Facility Name: Lefkovitz Gas Com # 1X (30-045-07921)	Facility Type: Gas Well (Aztec – Pictured Cliffs)
Surface Owner: Private	Mineral Owner:
	Lease No. Fee

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	25	29N	10W	790	FNL	805	FEL	San Juan

Latitude: 36.699760 Longitude: -107.815770

**NATURE OF RELEASE**

Type of Release: N/A	Volume of Release: N/A	Volume Recovered: N/A
Source of Release: N/A	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: N/A
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* The below grade tank was removed at the Lefkovitz Gas Com # 1X well site due to plugging and abandoning of the well. 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 100 ppm TPH, 0.2 ppm benzene, 10 ppm total BTEX and 250 ppm 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, and no further action is required.

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

**OIL CONSERVATION DIVISION**

Signature: <i>Kurt Hoekstra</i>	Approved by District Supervisor:	
Printed Name: Kurt Hoekstra		
Title: Sr. Environmental Technician	Approval Date:	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	
Date: 12-10-2012 Phone: 505-333-3202	Attached <input type="checkbox"/>	

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

**Lease Name: Lefkovitz Gas Com # 1X**

**API No.: 30-045-07921**

**Description: Unit A, Section 25, Township 29N, Range 10W, San Juan County**

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

## **General Plan**

1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.

**Closure Date is August 22, 2012**

2. XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.

**Closure Date is August 22, 2012**

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 be removed due to the plugging and abandoning of the Lefkovitz Gas Com # 1 X.**

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

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

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.0026 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.0391 mg/kg
TPH	EPA SW-846 418.1	100	86.3 mg/kg
Chlorides	EPA 300.1	250 or background	58 mg/kg
TPH (spill rule)	EPA Method 8015 Modified	100	8.7 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 August 16, 2012; 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 August 17, 2012; 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.  
**Site will be reclaimed pursuant to the surface owners specifications, after the well has been P & A'd.**
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 landowner requirements**
  - viii. Photo documentation of the site reclamation. **attached**

Kurt Hoekstra /FAR/CTOC

08/16/2012 03:31 PM

To Brandon Powell

cc

bcc

Subject Lefkovitz Gas Com # 1 X BGT Closure

Brandon,

Please accept this email as the required notification for BGT closure activities at the Lefkovitz Gas Com # 1 X well site (API # 30-045-07921) located in Unit A, Section 25, Township 29N, Range 10W, San Juan County, New Mexico. This below grade tank is being closed due to the P & A of this well.

Thank you for your time in regards to this matter.

Kurt Hoekstra  
Sr. Environmental Technician  
XTO Energy  
505-333-3202 Office  
505-486-9543 Cell  
Kurt\_Hoekstra@xtoenergy.com

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7011 1150 0000 5124 8464

FLORA VISTA NM  
 AUG 17 2012  
 USPS - 87415

Sent To: Mack Cohn S ET AL  
 Street, Apt. No., or PO Box No.: 4072 Hidden View Circle  
 City, State, ZIP+4: Fortworth, TX 76109 KH

PS Form 3800, August 2005 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee  <i>Mack Cohn</i></p> <p>B. Received by (Printed Name)  <i>Mack Cohn</i></p> <p>C. Date of Delivery  <i>21 Aug 12</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No          If YES, enter delivery address below:</p>
<p>1. Article Addressed to:</p> <p>Mack Cohn S ET AL          4072 Hidden view Circle          Fortworth, TX 76109</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number          (Transfer from service label)</p>	<p>7011 1150 0000 5124 8464</p>

August 16, 2012

Mack Cohn S ET AL,  
4072 Hidden View Circle  
Fort Worth , TX 76109

Re: Lefkovitz Gas Com # 1 X API # 30-045-07921  
Unit A, Section 25, Township 29N, Range 10W, San Juan County, New Mexico

Dear Mr. Cohn ;

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

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

Respectfully Submitted,



Kurt Hoekstra  
Sr. Environmental Technician  
XTO Energy, Inc.  
Western Division





# envirotech

Analytical Laboratory

## Report Summary

Client: XTO

Chain of Custody Number: 14206

Samples Received: 08-01-12

Job Number: 98031-0528

Sample Number(s): 62793

Project Name/Location: Lefkovitz GC 1X

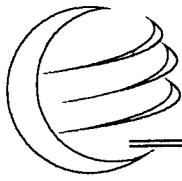
Entire Report Reviewed By:

*Dene Zazzo*

Date:

08-08-12

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.



# envirotech

Analytical Laboratory

EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS

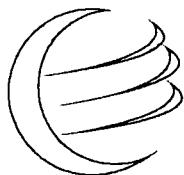
Client:	ConocoPhillips	Project #:	98031-0528
Sample ID:	BGT Cellar	Date Reported:	08-08-12
Laboratory Number:	62793	Date Sampled:	08-01-12
Chain of Custody No:	14206	Date Received:	08-01-12
Sample Matrix:	Soil	Date Extracted:	08-07-12
Preservative:	Cool	Date Analyzed:	08-07-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
<b>Total Petroleum Hydrocarbons</b>	<b>86.3</b>	<b>6.6</b>

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lefkovitz GC 1X**



# envirotech

Analytical Laboratory

EPA METHOD 418.1

TOTAL PETROLEUM HYDROCARBONS

QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-08-12
Laboratory Number:	08-07-TPH.QA/QC 62793	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-07-12
Preservative:	N/A	Date Extracted:	08-07-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	07-11-12	08-07-12	1,660	1,720	3.6%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.6

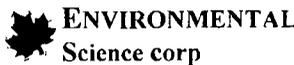
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	86.3	104	19.9%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	83.3	2,000	1,920	92.2%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 62793, 62779, 62781-62783, 62788, 62792.

Company Name/Address <b>XTO Energy, Inc.</b> 382 County Road 3100 Aztec, NM 87410		Alternate Billing XTORN031810S		Analysis/Container/Preservative				Chain of Custody Page ___ of ___			
Project Description: <b>LEFKOVITZ GC # 1X</b>		City/State Collected:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8021</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CHLORIDE</div> </div>				Prepared by: <b>B237</b>			
Report to: James McDaniel		E-mail to: james_mcdaniel@xtoenergy.com						 <b>ENVIRONMENTAL Science corp</b> 12065 Lebanon Road Mt. Juliet TN 37122 Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859			
PHONE: 505-333-3701	Client Project No.	Lab Project #						CoCode (lab use only)		XTORNM	
FAX:	Site/Facility ID#	P.O.#		Template/Prelogin		Shipped Via: Fed Ex					
Collected by: <b>KURT</b>	<input type="checkbox"/> Rush? (Lab MUST be Notified) <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input type="checkbox"/> Three Day.....25%	Date Results Needed		No		Remarks/contaminant		Sample # (lab only)			
Collected by (signature): <i>Kurt Haeberlein</i>		Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		of		L587991		-01			
Packed on Ice N <input checked="" type="checkbox"/> Y <input type="checkbox"/> X	FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes		Cntrs								
Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Cntrs					
LEFKOVITZ GC1X BGT	Comp	SS	0-6"	8/1	11:10	4	X	X	X		

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other \_\_\_\_\_ pH \_\_\_\_\_ Temp \_\_\_\_\_

Remarks: "ONLY 1 COC/Per Site!!" 4963 4542 9612 Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquisher by (Signature): <i>Kurt Haeberlein</i>	Date: 8-1	Time: 2:15	Received by: (Signature): 	Samples returned via: FedEx_X UPS_Other_	Condition (lab use only): <i>PLS</i>
Relinquisher by (Signature):	Date:	Time:	Received by: (Signature):	Temp: 3.4°C	Bottles Received: 1-402 
Relinquisher by (Signature):	Date:	Time:	Received for lab by: (Signature): <i>Jerrid...</i>	Date: 8-2-12	Time: 0900



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

### Report Summary

Wednesday August 08, 2012

Report Number: L587991

Samples Received: 08/02/12

Client Project:

Description: LEFKOVITZ GC #1X

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

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

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

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REPORT OF ANALYSIS

August 08, 2012

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

Date Received : August 02, 2012  
 Description : LEFKOVITZ GC #1X  
 Sample ID : LEFKOVITZ GCIX BGT  
 Collected By : Kurt  
 Collection Date : 08/01/12 11:10

ESC Sample # : L587991-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	58.	10.	mg/kg	9056	08/07/12	1
Total Solids	94.8	0.100	%	2540G	08/08/12	1
Benzene	BDL	0.0026	mg/kg	8021/8015	08/05/12	5
Toluene	BDL	0.026	mg/kg	8021/8015	08/05/12	5
Ethylbenzene	BDL	0.0026	mg/kg	8021/8015	08/05/12	5
Total Xylene	BDL	0.0079	mg/kg	8021/8015	08/05/12	5
TPH (GC/FID) Low Fraction	BDL	0.53	mg/kg	GRO	08/05/12	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	91.4		% Rec.	8021/8015	08/05/12	5
a,a,a-Trifluorotoluene(PID)	98.5		% Rec.	8021/8015	08/05/12	5
TPH (GC/FID) High Fraction	8.7	4.2	mg/kg	3546/DRO	08/03/12	1
Surrogate recovery(%)						
o-Terphenyl	68.0		% Rec.	3546/DRO	08/03/12	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 08/08/12 14:56 Printed: 08/08/12 15:03



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XTO Energy - San Juan Division  
James McDaniel  
382 Road 3100

Quality Assurance Report  
Level II

Aztec, NM 87410

August 08, 2012

L587991

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
TPH (GC/FID) High Fraction o-Terphenyl	< 4	ppm % Rec.	60.60	50-150	WG605954 WG605954	08/03/12 14:52 08/03/12 14:52
Benzene	< .0005	mg/kg			WG605927	08/04/12 23:46
Ethylbenzene	< .0005	mg/kg			WG605927	08/04/12 23:46
Toluene	< .005	mg/kg			WG605927	08/04/12 23:46
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG605927	08/04/12 23:46
Total Xylene	< .0015	mg/kg			WG605927	08/04/12 23:46
a,a,a-Trifluorotoluene(FID)		% Rec.	91.14	59-128	WG605927	08/04/12 23:46
a,a,a-Trifluorotoluene(PID)		% Rec.	98.80	54-144	WG605927	08/04/12 23:46
Chloride	< 10	mg/kg			WG606343	08/07/12 18:09
Total Solids	< .1	%			WG606333	08/08/12 09:14

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Chloride	mg/kg	180.	160.	8.96	20	L587917-02	WG606343
Total Solids	%	77.0	81.3	5.16*	5	L587977-05	WG606333

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
TPH (GC/FID) High Fraction o-Terphenyl	ppm	60	46.9	78.1 65.70	50-150 50-150	WG605954 WG605954
Benzene	mg/kg	.05	0.0511	102.	76-113	WG605927
Ethylbenzene	mg/kg	.05	0.0557	111.	78-115	WG605927
Toluene	mg/kg	.05	0.0534	107.	76-114	WG605927
Total Xylene	mg/kg	.15	0.170	114.	81-118	WG605927
a,a,a-Trifluorotoluene(FID)				92.30	59-128	WG605927
a,a,a-Trifluorotoluene(PID)				98.38	54-144	WG605927
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.56	101.	67-135	WG605927
a,a,a-Trifluorotoluene(FID)				99.13	59-128	WG605927
a,a,a-Trifluorotoluene(PID)				105.9	54-144	WG605927
Chloride	mg/kg	200	205.	103.	80-120	WG606343
Total Solids	%	50	50.0	99.9	85-115	WG606333

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
TPH (GC/FID) High Fraction o-Terphenyl	ppm	49.1	46.9	82.0 67.95	50-150 50-150	4.67	25	WG605954 WG605954
Benzene	mg/kg	0.0515	0.0511	103.	76-113	0.820	20	WG605927
Ethylbenzene	mg/kg	0.0558	0.0557	112.	78-115	0.190	20	WG605927
Toluene	mg/kg	0.0535	0.0534	107.	76-114	0.180	20	WG605927

\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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XTO Energy - San Juan Division  
James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L587991

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August 08, 2012

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Total Xylene	mg/kg	0.170	0.170	114.	81-118	0.0700	20	WG605927
a, a, a-Trifluorotoluene (FID)				92.48	59-128			WG605927
a, a, a-Trifluorotoluene (PID)				98.51	54-144			WG605927
TPH (GC/FID) Low Fraction	mg/kg	5.44	5.56	99.0	67-135	2.04	20	WG605927
a, a, a-Trifluorotoluene (FID)				98.82	59-128			WG605927
a, a, a-Trifluorotoluene (PID)				105.8	54-144			WG605927
Chloride	mg/kg	196.	205.	98.0	80-120	4.49	20	WG606343

Analyte	Units	MS Res	Matrix Spike			Limit	Ref Samp	Batch
			Ref Res	TV	% Rec			
TPH (GC/FID) High Fraction	ppm	45.7	0	60	76.2	50-150	L587890-08	WG605954
o-Terphenyl					67.33	50-150		WG605954
Benzene	mg/kg	0.247	0	.05	98.6	32-137	L588007-01	WG605927
Ethylbenzene	mg/kg	0.273	0	.05	109.	10-150	L588007-01	WG605927
Toluene	mg/kg	0.265	0	.05	106.	20-142	L588007-01	WG605927
Total Xylene	mg/kg	0.843	0	.15	112.	16-141	L588007-01	WG605927
a, a, a-Trifluorotoluene (FID)					91.82	59-128		WG605927
a, a, a-Trifluorotoluene (PID)					97.94	54-144		WG605927
TPH (GC/FID) Low Fraction	mg/kg	24.6	0	5.5	89.5	55-109	L588007-01	WG605927
a, a, a-Trifluorotoluene (FID)					97.65	59-128		WG605927
a, a, a-Trifluorotoluene (PID)					103.3	54-144		WG605927
Chloride	mg/kg	525.	55.0	500	94.0	80-120	L587991-01	WG606343

Analyte	Units	MSD	Ref	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
				%Rec	%Rec					
TPH (GC/FID) High Fraction	ppm	45.2	45.7	75.4	65.30	50-150	1.08	25	L587890-08	WG605954
o-Terphenyl						50-150				WG605954
Benzene	mg/kg	0.248	0.247	99.4		32-137	0.760	39	L588007-01	WG605927
Ethylbenzene	mg/kg	0.265	0.273	106.		10-150	2.92	44	L588007-01	WG605927
Toluene	mg/kg	0.257	0.265	103.		20-142	3.21	42	L588007-01	WG605927
Total Xylene	mg/kg	0.804	0.843	107.		16-141	4.68	46	L588007-01	WG605927
a, a, a-Trifluorotoluene (FID)				91.73		59-128				WG605927
a, a, a-Trifluorotoluene (PID)				97.84		54-144				WG605927
TPH (GC/FID) Low Fraction	mg/kg	23.4	24.6	85.0		55-109	5.21	20	L588007-01	WG605927
a, a, a-Trifluorotoluene (FID)				97.65		59-128				WG605927
a, a, a-Trifluorotoluene (PID)				103.3		54-144				WG605927
Chloride	mg/kg	574.	525.	104.		80-120	8.92	20	L587991-01	WG606343

Batch number / Run number / Sample number cross reference

WG605954: R2291333: L587991-01  
WG605927: R2292573: L587991-01  
WG606343: R2294193: L587991-01  
WG606333: R2295035: L587991-01

\* \* Calculations are performed prior to rounding of reported values.  
\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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XTO Energy - San Juan Division  
James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L587991

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Est. 1970

August 08, 2012

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.

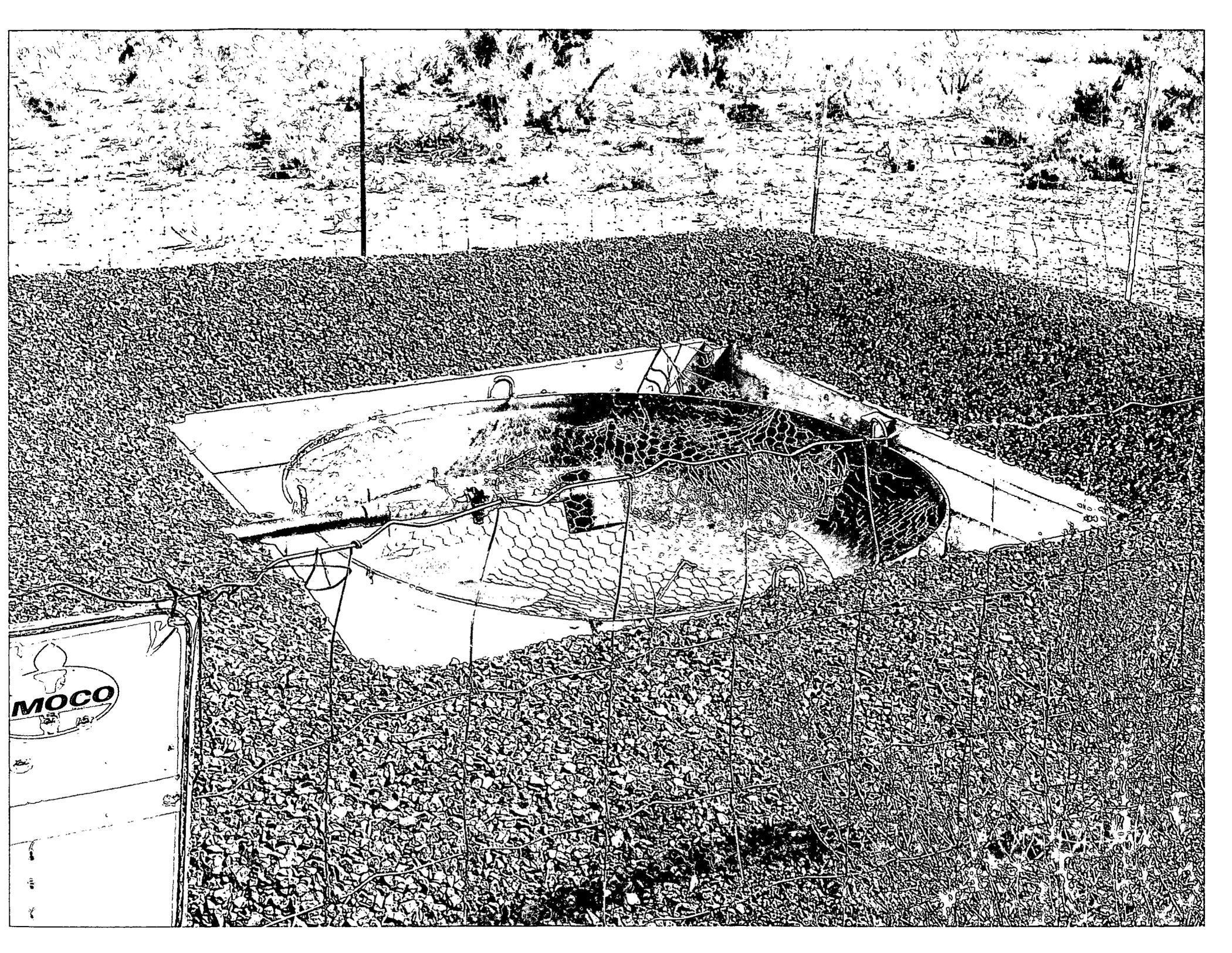
Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the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

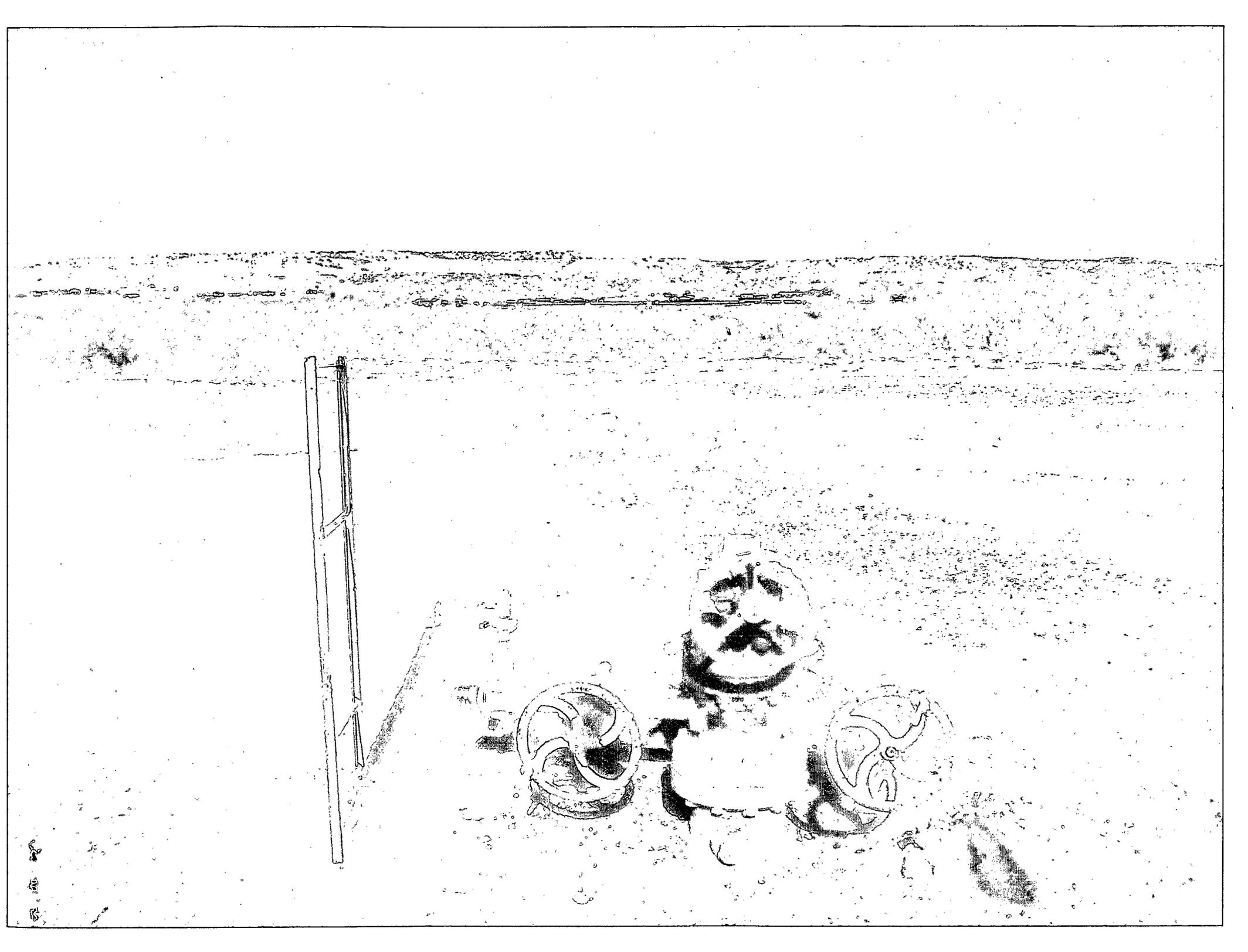
Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that 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.

Amoco Petroleum Refining  
Company, Inc. (505) 632-5100  
MOCO

LEFKOVITZ GAS COM NO. IX  
NE/4 NE/4 1A1 SEC. 25-T29N-R10W



MOCO





Denver

# Well Below Tank Inspection Report

08/28/2012

Dates -  
06/01/2008 - 08/01/2012

Type Route Stop

Type Value L

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
DEN NM Run 45	LEFKOVITZ GAS COM	Velarde, Jose	Bramwell, Chris	LEFKOVITZ GC 01X	3004507921	25	10W	29N

InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
d ray	01/17/2010	01:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
d ray	03/09/2010	01:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
d ray	04/29/2010	01:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
d ray	05/20/2010	01:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
d ray	06/08/2010	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
d ray	07/27/2010	12:30	No	No	No	No	No	0	Well Water Pi	Below Ground	
DR	08/10/2010	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
DR	09/07/2010	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
DR	12/23/2010	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
DR	05/30/2011	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
DR	06/28/2011	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
DR	07/11/2011	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
DR	10/31/2011	11:00	No	No	No	No	No	0	Well Water Pi	Below Ground	
JV	03/30/2012	09:56	No	No	No	No	No	0	Well Water Pi	Below Ground	
JV	06/08/2012	12:13	No	No	No	No	No	0	Well Water Pi	Below Ground	