

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 12 PM 1 38

**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: Pipkin EH #10E
API Number: 30-045-23781 OCD Permit Number: _____
U/L or Qtr/Qtr H Section 01 Township 27N Range 11W County: San Juan
Center of Proposed Design: Latitude 36.60747 Longitude 107.94852 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 MAY 10 11
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: 95 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.

35

6.	<p>Fencing: Subsection D of 19.15.17.11 NMAC (<i>Applies to permanent pits, temporary pits, and below-grade tanks</i>)</p> <p><input type="checkbox"/> Chain link, six feet in height, two strands of barbed wire at top (<i>Required if located within 1000 feet of a permanent residence, school, hospital, institution or church</i>)</p> <p><input type="checkbox"/> Four foot height, four strands of barbed wire evenly spaced between one and four feet</p> <p><input checked="" type="checkbox"/> Alternate. Please specify <u>Four foot height, steel mesh field fence (hogwire) with pipe top railing</u></p>																				
7.	<p>Netting: Subsection E of 19.15.17.11 NMAC (<i>Applies to permanent pits and permanent open top tanks</i>)</p> <p><input type="checkbox"/> Screen <input type="checkbox"/> Netting <input checked="" type="checkbox"/> Other <u>Expanded metal or solid vaulted top</u></p> <p><input type="checkbox"/> Monthly inspections (If netting or screening is not physically feasible)</p>																				
8.	<p>Signs: Subsection C of 19.15.17.11 NMAC</p> <p><input type="checkbox"/> 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers.</p> <p><input checked="" type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC</p>																				
9.	<p>Administrative Approvals and Exceptions:</p> <p>Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.</p> <p>Please check a box if one or more of the following is requested, if not leave blank:</p> <p><input type="checkbox"/> Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.</p> <p><input type="checkbox"/> Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.</p>																				
10.	<p>Siting Criteria (regarding permitting): 19.15.17.10 NMAC</p> <p>Instructions: <i>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.</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 85%; vertical-align: top;"> <p>Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</p> <p style="margin-left: 20px;">- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</p> </td> <td style="width: 15%; text-align: right; vertical-align: top;"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="vertical-align: top;"> <p>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).</p> <p style="margin-left: 20px;">- Topographic map; Visual inspection (certification) of the proposed site</p> </td> <td style="text-align: right; vertical-align: top;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td style="vertical-align: top;"> <p>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. 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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 H₂S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14. **Proposed Closure:** 19.15.17.13 NMAC

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

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

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

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

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

16.

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

Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☐ No

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

☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

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

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

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

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

☐ 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: 01/02/2009

e-mail address: kim_champlin@xtocenergy.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: 2/15/11

Title: Environmental Engineer Compliance Officer OCD Permit Number: [Blank]

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ Closure Completion Date: February 18, 2011

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): James McDaniel Title: EH&S Coordinator

Signature: [Signature] Date: 5/6/11

e-mail address: James-McDaniel@xtocenergy.com Telephone: 505-333-3701

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

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: E H pipkin #10E (30-045-23781)	Facility Type: Gas Well (Kutz Gallup)

Surface Owner: Federal	Mineral Owner:	Lease No.:
------------------------	----------------	------------

LOCATION OF RELEASE

Unit Letter A	Section 33	Township 30N	Range 11W	Feet from the 1520	North/South Line FNL	Feet from the 810	East/West Line FEL	County San Juan
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Latitude: 36.60747 Longitude: -107.94852

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: NA
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.	

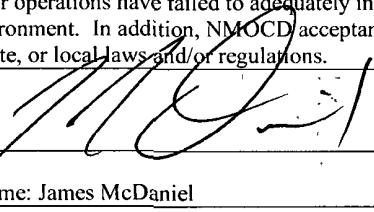
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was taken out of service at the E H Pipkin #10E well site due to the plugging and abandoning of this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for benzene and total BTEX, but above the 100 ppm TPH standard at 280 ppm (via 418.1) and above the 250 ppm chloride standard at 280 ppm. This confirmed that a release had occurred at this location. The site was then ranked a 40 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases due to a wash at less than 200 feet from the location, and an assumed depth to ground water of less than 50 feet below ground surface. This set the closure standards to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.*

On February 18, 2011, approximately eight (8) cubic yards of impacted soil was removed from the bottom of the former BGT cellar. A composite sample was collected of the excavated area at extents of approximately 10' x 10' x 5' deep. The sample was analyzed for DRO/GRO via USEPA Method 8015, and for benzene and total BTEX via USEPA Method 8021. The sample returned results below the regulatory standard for all constituents analyzed. No further remediation is required at this location. Analytical Results, Bills of Lading, and all applicable field sheets are attached for your reference.

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: 		OIL CONSERVATION DIVISION	
Printed Name: James McDaniel		Approved by District Supervisor:	
Title: EH&S Coordinator	Approval Date:	Expiration Date:	
E-mail Address: James_McDaniel@xtoenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 5/06/2011	Phone: 505-333-3701		

* Attach Additional Sheets If Necessary

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

Lease Name: E H Pipkin #10E

API No.: 30-045-23781

Description: Unit H, Section 1, Township 27N, Range 11W, 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 February 18, 2011
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 February 18, 2011
3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
Required C-144 Form is attached to this document.
4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:
 - Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B
 - Soil contaminated by exempt petroleum hydrocarbons
 - Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
 - Basin Disposal Permit No. NM01-005
 - Produced water**All liquids and sludge were removed from the tank prior to closure activities.**
5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.
XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

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

All equipment has been removed due to the plugging and abandoning of the E H Pipkin #10E well site.

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

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

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	BDL mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	BDL mg/kg
TPH	EPA SW-846 418.1	100	280 mg/kg
Chlorides	EPA 300.1	250 or background	280 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.

A release was confirmed at this location due TPH results of 280 ppm and chloride results of 280 ppm. Please see attached C-141 for a report on the remediation activities at this site.

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 January 28, 2011; 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 January 28, 2011; 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 has been recontoured to match the above specifications.
12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
The site has been backfilled to match these specifications.
13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.
The location has been 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. This closure report is being submitted after the 60 day deadline required by the 'Pit Rule' due to a unforeseen delay on final reclamation of this well site. This delay was due to the pipeline riser not being removed by the gathering company in a timely fashion.

COVER LETTER

Friday, December 03, 2010

Julie Linn
XTO Energy
382 County Road 3100
Aztec, NM 87410

TEL: (505) 333-3100
FAX (505) 333-3280

RE: BGT

Order No.: 1011A27

Dear Julie Linn:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 11/30/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



Hall Environmental Analysis Laboratory, Inc.

Date: 03-Dec-10

CLIENT: XTO Energy

Client Sample ID: EH Pipkin #10

Lab Order: 1011A27

Collection Date: 11/29/2010 2:32:00 PM

Project: BGT

Date Received: 11/30/2010

Lab ID: 1011A27-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	280	20		mg/Kg	1	12/3/2010

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: BGT

Work Order: 1011A27

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	--------	---------	------	----------	-----------	------	----------	------

Method: EPA Method 418.1: TPH

Sample ID: MB-24728 MBLK Batch ID: 24728 Analysis Date: 12/3/2010

Petroleum Hydrocarbons, TR ND mg/Kg 20 Batch ID: 24728 Analysis Date: 12/3/2010

Sample ID: LCS-24728 LCS Batch ID: 24728 Analysis Date: 12/3/2010

Petroleum Hydrocarbons, TR 95.78 mg/Kg 20 100 0 95.8 86.8 116 Batch ID: 24728 Analysis Date: 12/3/2010

Sample ID: LCSD-24728 LCSD Batch ID: 24728 Analysis Date: 12/3/2010

Petroleum Hydrocarbons, TR 91.70 mg/Kg 20 100 0 91.7 86.8 116 4.35 16.2

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

11/30/2010

Work Order Number 1011A27

Received by: AMG

Checklist completed by:

Signature

Michelle Garcia 11/30/10

Sample ID labels checked by:

Initials

AMG

Matrix:

Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Not Shipped <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Number of preserved bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	<2 >12 unless noted below.

Container/Temp Blank temperature?

2.3°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record		Turn-Around Time:	
Client: <u>X TO Energy</u>		<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Rush
<u>James McDaniel</u>		Project Name:	
Mailing Address: <u>382 CR 3100</u>		<u>BGT</u>	
<u>Aztec NM 87410</u>		Project #:	
Phone #: <u>505-787-0519</u>		<u>X TO 1020</u>	
email or Fax#: <u>james-mcdaniel@xtenergy.com</u>		Project Manager:	
QA/QC Package:		<u>Julie Linn</u>	
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Level 4 (Full Validation)	Sampler: <u>Brooke Herd</u>	
Accreditation		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> NELAP	<input type="checkbox"/> Other _____	Sample Temperature: <u>73</u>	
<input type="checkbox"/> EDD (Type) _____			

☒ Standard ☐ Rush

BGT

Project #:

XTD1020

Project Manager:

Julie Linn

Sampler: Brooke Herd

On Ice ☒ Yes ☐ No

Sample Temperature 73

Container Type and #	Preservative Type	HEAL No.
----------------------	-------------------	----------

i / 402	none	-1
---------	------	----



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/29/10	1545	[Signature]	Christi Walch	11/29/10	1545
Date:	Time:	Relinquished by:	Received by:	Date	Time
11/29/10	1630	Christi Walch	[Signature]	11/30/10	0930

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

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

Report Summary

Monday December 06, 2010

Report Number: L491021

Samples Received: 11/30/10

Client Project: XTO1020

Description: BGT

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 - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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

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

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



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

Tax I.D. 62-0814289

Est., 1970

REPORT OF ANALYSIS

December 06, 2010

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

Date Received : November 30, 2010
Description : BGT
Sample ID : EH PIPKEN 10E 6IN-1 FT
Collected By : Brooke Herb
Collection Date : 11/29/10 14:32

ESC Sample # : L491021-01

Site ID : EH PIPKEN 10E

Project # : XTO1020

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	280	12.	mg/kg	9056	12/03/10	1
Total Solids	83.8		%	2540G	12/02/10	1
Benzene	BDL	0.0030	mg/kg	8021/8015	12/01/10	5
Toluene	BDL	0.030	mg/kg	8021/8015	12/01/10	5
Ethylbenzene	BDL	0.0030	mg/kg	8021/8015	12/01/10	5
Total Xylene	BDL	0.0089	mg/kg	8021/8015	12/01/10	5
TPH (GC/FID) Low Fraction	BDL	0.60	mg/kg	GRO	12/01/10	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	96.3		% Rec	8021/8015	12/01/10	5
a,a,a-Trifluorotoluene (PID)	100.		% Rec.	8021/8015	12/01/10	5
TPH (GC/FID) High Fraction	110	4.8	mg/kg	3546/DRO	12/02/10	1
Surrogate recovery(%)						
o-Terphenyl	61.3		% Rec	3546/DRO	12/02/10	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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

The reported analytical results relate only to the sample submitted

Reported: 12/04/10 22:41 Revised: 12/06/10 09:35



YOUR LAB OF CHOICE

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

Aztec, NM 87410

Quality Assurance Report
Level II

L491021

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

Tax I.D. 62-0814289

Est 1970

December 06, 2010

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG511042	12/01/10 14:45
Ethylbenzene	< .0005	mg/kg			WG511042	12/01/10 14:45
Toluene	< .005	mg/kg			WG511042	12/01/10 14:45
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG511042	12/01/10 14:45
Total Xylene	< .0015	mg/kg			WG511042	12/01/10 14:45
a,a,a-Trifluorotoluene(FID)		% Rec.	96.62	59-128	WG511042	12/01/10 14:45
a,a,a-Trifluorotoluene(PID)		% Rec.	100.2	54-144	WG511042	12/01/10 14:45
Total Solids	< .1	%			WG510981	12/02/10 10:20
TPH (GC/FID) High Fraction	< 4	ppm			WG510908	12/01/10 15:58
o-Terphenyl		% Rec.	70.18	50-150	WG510908	12/01/10 15:58
Chloride	< 10	mg/kg			WG511245	12/03/10 09:40

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	77.0	77.7	0.778	5	L491033-04	WG510981

Analyte	Units	Laboratory Control		Sample Result	% Rec	Limit	Batch
		Known	Val				
Benzene	mg/kg	.05		0.0483	96.6	76-113	WG511042
Ethylbenzene	mg/kg	.05		0.0501	100	78-115	WG511042
Toluene	mg/kg	.05		0.0483	96.6	76-114	WG511042
Total Xylene	mg/kg	.15		0.147	97.8	81-118	WG511042
a,a,a-Trifluorotoluene(PID)					99.68	54-144	WG511042
TPH (GC/FID) Low Fraction	mg/kg	5.5		6.59	120.	67-135	WG511042
a,a,a-Trifluorotoluene(FID)					101.2	59-128	WG511042
Total Solids	%	50		50.0	100	85-115	WG510981
TPH (GC/FID) High Fraction	ppm	60		38.5	64.1	50-150	WG510908
o-Terphenyl					69.95	50-150	WG510908
Chloride	mg/kg	200		192.	96.0	85-115	WG511245

Analyte	Units	Laboratory Control		Sample Duplicate	%Rec	Limit	RPD	Limit	Batch
		Result	Ref						
Benzene	mg/kg	0.0486	0.0483	97.0		76-113	0.650	20	WG511042
Ethylbenzene	mg/kg	0.0498	0.0501	100		78-115	0.450	20	WG511042
Toluene	mg/kg	0.0485	0.0483	97.0		76-114	0.450	20	WG511042
Total Xylene	mg/kg	0.146	0.147	97.0		81-118	0.600	20	WG511042
a,a,a-Trifluorotoluene(PID)					99.66	54-144			WG511042
TPH (GC/FID) Low Fraction	mg/kg	6.73	6.59	122		67-135	2.06	20	WG511042
a,a,a-Trifluorotoluene(FID)					100.9	59-128			WG511042
TPH (GC/FID) High Fraction	ppm	38.5	38.5	64.0		50-150	0.115	25	WG510908
o-Terphenyl					69.49	50-150			WG510908

* 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
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L491021

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

Tax I D 62-0814289

Est. 1970

December 06, 2010

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Chloride	mg/kg	187	192	94.0	85-115	2.64	20	WG511245

Analyte	Units	Matrix Spike Duplicate				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	0.205	0	05	81.9	32-137	L491177-01	WG511042
Ethylbenzene	mg/kg	0.209	0	05	83.7	10-150	L491177-01	WG511042
Toluene	mg/kg	0.204	0	05	81.6	20-142	L491177-01	WG511042
Total Xylene	mg/kg	0.616	0	15	82.2	16-141	L491177-01	WG511042
a,a,a-Trifluorotoluene (PID)					99.08	54-144		WG511042
TPH (GC/FID) Low Fraction	mg/kg	26.0	0	5.5	94.4	55-109	L491177-01	WG511042
a,a,a-Trifluorotoluene (FID)					99.81	59-128		WG511042

Analyte	Units	Matrix Spike Duplicate				Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec						
Benzene	mg/kg	0.224	0.205	89.5		32-137	8.84	39	L491177-01	WG511042
Ethylbenzene	mg/kg	0.226	0.209	90.5		10-150	7.77	44	L491177-01	WG511042
Toluene	mg/kg	0.224	0.204	89.5		20-142	9.19	42	L491177-01	WG511042
Total Xylene	mg/kg	0.662	0.616	88.3		16-141	7.21	46	L491177-01	WG511042
a,a,a-Trifluorotoluene (PID)				99.39		54-144				WG511042
TPH (GC/FID) Low Fraction	mg/kg	27.6	26.0	100		55-109	6.26	20	L491177-01	WG511042
a,a,a-Trifluorotoluene (FID)				99.84		59-128				WG511042

Batch number / Run number / Sample number cross reference

WG511042 R1494749 L491021-01
WG510981 R1495292 L491021-01
WG510908 R1495749 L491021-01
WG511245 R1497409 L491021-01

* * 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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December 06, 2010

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.

Prepared by

ENVIRONMENTAL
Science corp

12065 Lebanon Road

Mt. Juliet TN 37122

Phone (615)758-5858

Phone (800) 767-5859

FAX (615)758-5859

GoCode (lab use only)

XTORNM

Template/Prelogin

Shipped Via: Fed Ex

Remarks	Contaminant

Sample # (lab only)

6491021011190

pH _____ Temp _____

Flow_____ Other_____

Remarks:

Relinquisher by (Signature) <i>[Signature]</i>	Date 11/29/10	Time 16:20	Received by (Signature) <i>[Signature]</i>	Samples returned via FedEx_X_UPS_Other____ 434198133256	Condition (lab use only) OK
Relinquisher by (Signature)	Date	Time	Received by (Signature) <i>[Signature]</i>	Temp. 3.1	Bottles Received: 2 402
Relinquisher by (Signature)	Date:	Time	Received for lab by: (Signature) <i>[Signature]</i>	Date 11/30/10	Time 0900
					pH Checked: NCF



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

Report Summary

Monday February 28, 2011

Report Number: L502618

Samples Received: 02/19/11

Client Project:

Description: EH Pipkin 10E

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 - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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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Where applicable, sampling conducted by ESC is performed per guidance provided
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Est. 1970

REPORT OF ANALYSIS

February 28, 2011

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

Date Received : February 19, 2011
Description : EH Pipkin 10E
Sample ID : BOTTOM 5 FT
Collected By : James McDaniel
Collection Date : 02/18/11 09:25

ESC Sample # : L502618-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	95.		%	2540G	02/28/11	1
Benzene	BDL	0.0026	mg/kg	8021/8015	02/20/11	5
Toluene	BDL	0.026	mg/kg	8021/8015	02/20/11	5
Ethylbenzene	BDL	0.0026	mg/kg	8021/8015	02/20/11	5
Total Xylene	BDL	0.0079	mg/kg	8021/8015	02/20/11	5
TPH (GC/FID) Low Fraction	BDL	0.53	mg/kg	GRO	02/20/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	95.6		% Rec.	8021/8015	02/20/11	5
a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021/8015	02/20/11	5
TPH (GC/FID) High Fraction	70.	4 2	mg/kg	3546/DRO	02/21/11	1
Surrogate recovery(%)						
o-Terphenyl	106.		% Rec.	3546/DRO	02/21/11	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: 02/28/11 12:16 Printed: 02/28/11 12:17

Summary of Remarks For Samples Printed
02/28/11 at 12:17:10

TSR Signing Reports. 288
R5 - Desired TAT

drywt

Sample: L502618-01 Account: XTORNM Received: 02/19/11 09:30 Due Date: 02/28/11 00:00 RPT Date: 02/28/11 12:16



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L502618

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February 28, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< 0005	mg/kg			WG522419	02/20/11 16:16
Ethylbenzene	< 0005	mg/kg			WG522419	02/20/11 16:16
Toluene	< 005	mg/kg			WG522419	02/20/11 16:16
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG522419	02/20/11 16:16
Total Xylene	< 0015	mg/kg			WG522419	02/20/11 16:16
a,a,a-Trifluorotoluene(FID)		% Rec	96.49	59-128	WG522419	02/20/11 16:16
a,a,a-Trifluorotoluene(PID)		% Rec	101.7	54-144	WG522419	02/20/11 16:16
TPH (GC/FID) High Fraction	< 4	ppm			WG522425	02/21/11 09:30
o-Terphenyl		% Rec	93.02	50-150	WG522425	02/21/11 09:30
Total Solids	< 1	%			WG523314	02/28/11 11:15

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	95.0	94.6	0.335	5	L502618-01	WG523314

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.05	0.0545	109.	76-113	WG522419
Ethylbenzene	mg/kg	.05	0.0536	107	78-115	WG522419
Toluene	mg/kg	.05	0.0541	108.	76-114	WG522419
Total Xylene	mg/kg	.15	0.165	110.	81-118	WG522419
a,a,a-Trifluorotoluene(PID)				100.6	54-144	WG522419
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.27	95.9	67-135	WG522419
a,a,a-Trifluorotoluene(FID)				105.0	59-128	WG522419
TPH (GC/FID) High Fraction	ppm	60	51.9	86.4	50-150	WG522425
o-Terphenyl				82.48	50-150	WG522425
Total Solids	%	50	50.2	100.	85-155	WG523314

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref				
Benzene	mg/kg	0.0538	0.0545	108	76-113	1.19	20
Ethylbenzene	mg/kg	0.0533	0.0536	107	78-115	0.590	20
Toluene	mg/kg	0.0535	0.0541	107.	76-114	1.22	20
Total Xylene	mg/kg	0.164	0.165	109.	81-118	0.470	20
a,a,a-Trifluorotoluene(PID)				100.8	54-144		WG522419
TPH (GC/FID) Low Fraction	mg/kg	5.84	5.27	106.	67-135	10.2	20
a,a,a-Trifluorotoluene(FID)				106.5	59-128		WG522419
TPH (GC/FID) High Fraction	ppm	56.4	51.9	94.0	50-150	8.41	25
o-Terphenyl				87.76	50-150		WG522425

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	0.266	0	05	106	32-137	L502618-01	WG522419
Ethylbenzene	mg/kg	0.254	0	05	102	10-150	L502618-01	WG522419
Toluene	mg/kg	0.268	0	05	107	20-142	L502618-01	WG522419

* 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
James McDaniel
382 Road 3100

Aztec, NM 87410

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Level II

L502618

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February 28, 2011

Analyte	Units	MS Res	Matrix Spike			% Rec	Limit	Ref Samp	Batch
			Ref Res	TV					
Total Xylene	mg/kg	0.776	0	115		103.	16-141	L502618-01	WG522419
a,a,a-Trifluorotoluene(PID)						100.1	54-144		WG522419
TPH (GC/FID) Low Fraction	mg/kg	18.4	0	55		66.8	55-109	L502618-01	WG522419
a,a,a-Trifluorotoluene(FID)						100.7	59-128		WG522419

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	0.249	0.266	99.5	32-137	6.66	39	L502618-01	WG522419
Ethylbenzene	mg/kg	0.237	0.254	94.7	10-150	7.07	44	L502618-01	WG522419
Toluene	mg/kg	0.245	0.268	98.1	20-142	8.97	42	L502618-01	WG522419
Total Xylene	mg/kg	0.723	0.776	96.5	16-141	7.03	46	L502618-01	WG522419
a,a,a-Trifluorotoluene(PID)				100.5	54-144				WG522419
TPH (GC/FID) Low Fraction	mg/kg	20.1	18.4	73.0	55-109	8.82	20	L502618-01	WG522419
a,a,a-Trifluorotoluene(FID)				100.6	59-128				WG522419

Batch number /Run number / Sample number cross reference

WG522419. R1582809. L502618-01
WG522425 R1583570. L502618-01
WG523314 R1590929 L502618-01

* * Calculations are performed prior to rounding of reported values
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XTO Energy On-Site Form

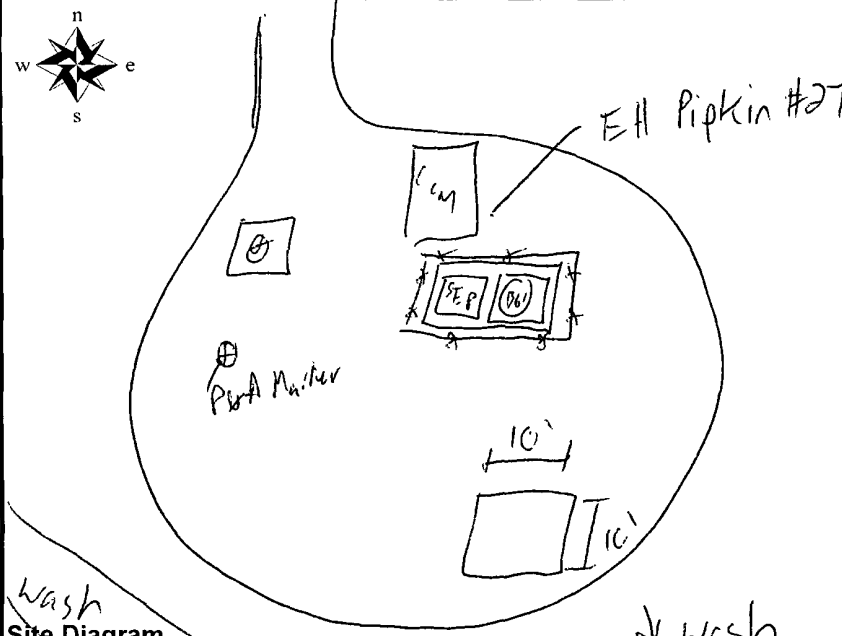
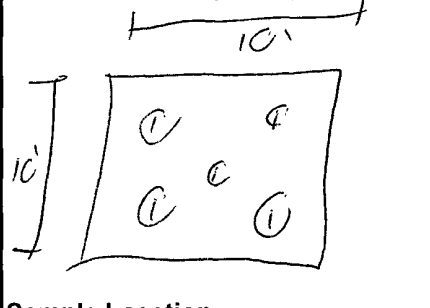

Well Name EH Pipkin #10E API # 30-045-23781

Section 1 Township 27N Range 11W County San Juan

Contractors On-Site Key Stone Time On-Site 0900 Time Off-Site _____

Spill Amount unknown bbls Spilled (Oil ☐ Produced Water ☒ Other _____)

Land Use (Grazing) Residential / Tribe _____) Excavation 10' x 10' x 5' deep

 <p>Site Diagram</p>	 <p>Sample Location</p>
<p>↓ Wash</p> <p>Comments: <u>- no odor or discoloration noticed</u></p>	 <p>Sample Location</p> <p>Number of Photos Taken: <u>—</u></p>

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
—	NA	100 Standard	NA	—	NA
0925	1	Bottom @ 5'	Brown, dry, sand	—	PCIS, EOR1

Name (Print) James McDannel

Date 2/18/11

Name (Signature) [Signature]

Company XTO Energy



Bill of Lading

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

MANIFEST # 37759
DATE 2-18-11 JOB# 98031-0647

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

TRANSPORTER CO. Keystone NAME Daniel Spear SIGNATURE [Signature]

COMPANY CONTACT Brent Besty PHONE _____ DATE 02-18-11

Signatures required prior to distribution of this legal document.

White - Company Records, Yellow - Billing, Pink - Customer

ACCENT Printing • Form 28-1212



James McDaniel /FAR/CTOC
01/28/2011 06:24 AM

To brandon.powell@state.nm.us
cc Martin Nee/FAR/CTOC@CTOC
bcc
Subject E H Pipkin #10E BGT Closure

Brandon,

Please accept this email as the required notification for BGT closure activities at the E H Pipken #10E well site (api # 30-045-23781) located in Unit H, Section 1, Township 27N, Range 11W, San Juan County, New Mexico. This BGT will be closed due to the plugging and abandoning of this well location. Thank you for your time in regards to this matter.



James McDaniel
EH&S Specialist
XTO Energy, Inc.
Office # 505-333-3701
Cell # 505-787-0519



January 28, 2011

Mark Kelly,
Bureau of Land Management – Farmington Field Office
1235 La Plata Highway
Farmington, New Mexico, 87401

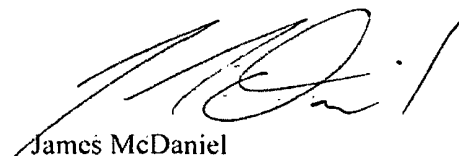
Re: E H Pipkin #10E
Unit H, Section 1, Township 27N, Range 11W, San Juan County, New Mexico

Dear Mr. Kelly,

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



James McDaniel
EH&S Specialist
XTO Energy, Inc.
San Juan Division

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

BLM-FFO
MARK KELLY
1235 LA PLATA HWY
FARMINGTON, NM 87401

2. Article Number
(Transfer from service label)

7010 0780 0001 6436 9437

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes**U.S. Postal Service
CERTIFIED MAIL - RECEIPT**

(Domestic Mail Only. No Insurance Coverage Provided)

For delivery information, visit our website at www.usps.com**OFFICIAL USE**

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage

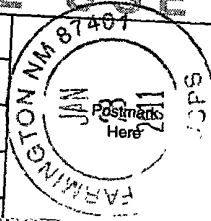
Sent To

Street, Apt. N
or PO Box Nc

City, State, Zi

PS Form 3811

BLM-FFO
MARK KELLY
1235 LA PLATA HWY
FARMINGTON, NM 87401



7010 0780 0001 6436 9437



Well Below Tank Inspection

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township			
Below Grade Pit Forms (Temp	EH Pipkin 10E	Unassigned	Unassigned	EH PIPKIN 10E (PA)	3004523781	1	11W	27N			
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
LDR	08/05/2008	1040:00	No	No	No	Yes	No	1			
LDR	08/05/2008	1040:00	No	No	No	Yes	No	1			
Trent Willis	09/02/2008	02:30	No	No	No	Yes	No	3			
ldr	10/13/2008	1028:00	No	No	No	Yes	No	3	Well Water F Below Ground		
ldr	11/03/2008	937:00	No	No	No	Yes	No	1	Well Water F Below Ground		
ldr	12/02/2008	1040:00	No	No	No	Yes	No	1	Well Water F Below Ground		
Trent Willis	01/12/2009	13:20	No	No	No	Yes	No	5	Well Water F Below Ground		
LDR	02/25/2009	10:00	No	No	No	Yes	No	3	Well Water F Below Ground		
GARY WARD	03/14/2009	15:21	No	No	No	Yes	No	3	Well Water F Below Ground		
GARY WARD	04/15/2009	13:36	No	No	No	Yes	No	3	Well Water F Below Ground		
GARY WARD	05/25/2009	13:55	No	No	No	Yes	No	3	Well Water F Below Ground		
GARY WARD	06/15/2009	14:42	No	No	No	Yes	No	3	Well Water F Below Ground		
GARY WARD	07/25/2009	12:29	No	No	No	Yes	No	3	Well Water F Below Ground		
GARY WARD	08/17/2009	14:00	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	09/10/2009	14:00	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	10/22/2009	14:56	No	No	No	Yes	No	2	Well Water F Below Ground		
LDR	11/26/2009	14:00	No	No	No	Yes	No	3	Well Water F Below Ground		
LDR	12/27/2009	14:00	No	No	No	Yes	No	2	Well Water F Below Ground		
LDR	01/26/2010	14:00	No	No	No	Yes	No	2	Well Water F Below Ground		
LDR	02/15/2010	14:00	No	No	No	Yes	No	2	Well Water F Below Ground		
LDR	04/08/2010	14:00	No	No	No	Yes	No	2	Well Water F Below Ground		
GARY WARD	07/06/2010	12:43	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	08/04/2010	13:31	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	09/07/2010	13:35	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	10/06/2010	09:49	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	11/11/2010	14:06	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	12/07/2010	09:16	No	No	No	Yes	No	4	Well Water F Below Ground		
GARY WARD	01/10/2011	11:43	No	No	No	Yes	No	4	Well Water F Below Ground		

XTO Energy, Inc.
E H Pipkin #10 E
Section 1, Township 27N, Range 11W
Closure Date: 2/18/2011



Photo 1: E H Pipkin #10E after Reclamation (View 1)

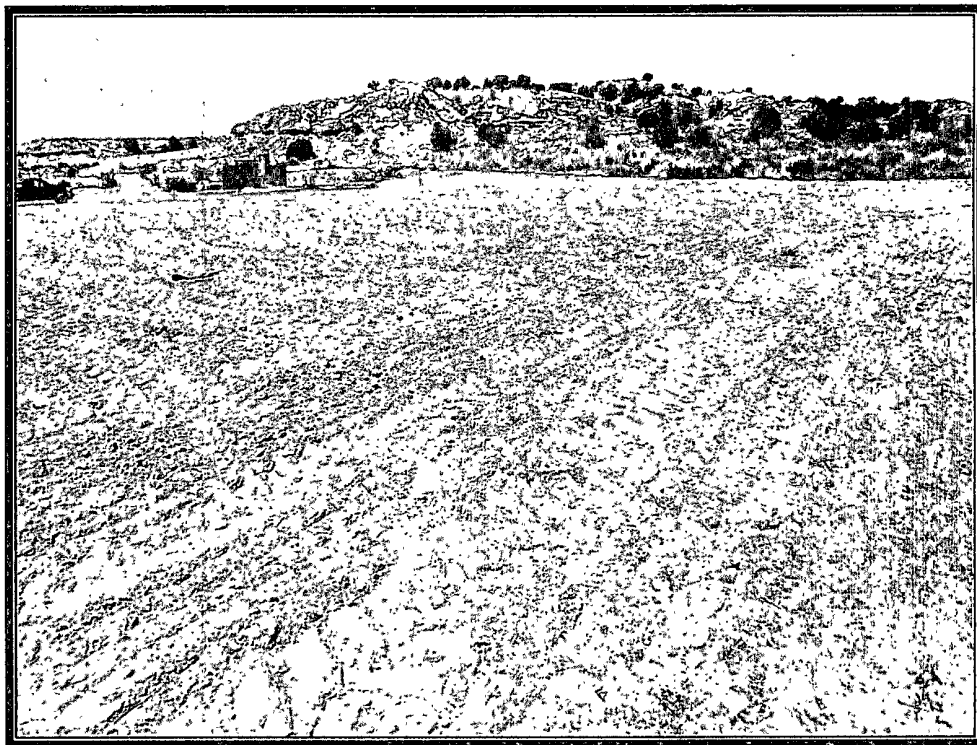


Photo 2: E H Pipkin #10E after Reclamation (View 2)