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

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

Form C-144
July 21, 2008

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

9384

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

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

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

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

Operator: XTO Energy, Inc OGRID #: 5380

Address: 382 Road 3100, Aztec, New Mexico 87410

RCVD JAN 3 '12

Facility or well name: Masden Gas COM #1

API Number: 30-045-07894 OCD Permit Number:

OIL CONS. DIV.

U/L or Qtr/Qtr: A Section: 28 Township: 29N Range: 11W County: San Juan

Center of Proposed Design Latitude: 36.70099 Longitude: -107.99087 NAD: ☐ 1927 ☒ 1983

DIST. 3

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 ___

3.

☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC

Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)

☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other _____

☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____

Liner Seams ☐ Welded ☐ Factory ☐ Other _____

4

☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

Volume: 120 bbl Type of fluid: Produced Water

Tank Construction material: Steel

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

☐ Visible sidewalls and liner ☒ Visible sidewalls only ☐ Not labeled

Liner type: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

5.

☐ **Alternative Method:**

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

21

6

Fencing: Subsection D of 19 15 17 11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four-foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify_____

7.

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

☐ Screen ☐ Netting ☐ Other_____

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

8

Signs: Subsection C of 19.15 17 11 NMAC

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

☐ Signed in compliance with 19.15 3 103 NMAC

9.

Administrative Approvals and Exceptions:

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

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

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

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

10

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ 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	☐ Yes ☐ 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	☐ Yes ☐ No ☐ 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	☐ Yes ☐ No ☐ 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	☐ 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.	☐ Yes ☐ No
Within 500 feet of a wetland	☐ 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

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_2S, 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): James McDaniel, CHMM # 15676 Title: EH&S Supervisor

Signature: [signature] Date: 11/7/11

E-mail address: James_McDaniel@xtoenergy.com Telephone: 505-333-3701

CERTIFIED HAZARDOUS MATERIALS MANAGER JAMES P. McDANIEL 15676 CHMM EXPIRES: MAY 16, 2016

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

OCD Representative Signature: Jonathan D. Kelly Approval Date: 1/04/2012

Title: Compliance Officer OCD Permit Number: 9466 9384

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:** 11/23/11

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 indentify 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, CHMM #15676 Title: EH&S Supervisor

Signature: [signature] Date: 12/29/11

E-mail address James_McDaniel@xtoenergy.com Telephone: 505-333-3701

"Kelly, Jonathan, EMNRD" <Jonathan.Kelly@state.nm.us>

11/08/2011 07 05 AM

To "James_McDaniel@xtoenergy.com" <James_McDaniel@xtoenergy.com>

cc

bcc

Subject RE Masden Gas COM #1 BGT Closure Plan

James,

I didn't find it in our tracking sheet, so we must not have received it here. It has been approved, PMT# 9166 aprvd 11/08/2011.

Jonathan D. Kelly
Compliance Officer
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 122
jonathan.kelly@state.nm.us

From: James_McDaniel@xtoenergy.com [mailto:James_McDaniel@xtoenergy.com]
Sent: Monday, November 07, 2011 6:19 AM
To: Kelly, Jonathan, EMNRD
Subject: Masden Gas COM #1 BGT Closure Plan

Jonathan,
Attached to this email is the BGT Closure plan only for your approval. Our records show that we submitted this closure plan before, but they do not show when or to which office I thought submitting it again would be easier for everyone. Thanks much!

James McDaniel, CHMM #15676
EH&S Supervisor
XTO Energy, Inc.
Office # 505-333-3701
Cell # 505-787-0519
James_Mcdaniel@xtoenergy.com

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: Masden Gas COM #1 (30-045-07894)	Facility Type: Gas Well (Dakota)

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	28	29N	11W	1139	FNL	820	FEL	San Juan

Latitude: 36.70097 **Longitude:** -107.99021

NATURE OF RELEASE

Type of Release: Historical	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Historical	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11/4/2011
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell	
By Whom? James McDaniel	Date and Hour: 11/10/2011 – By Phone	
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse Unknown	

If a Watercourse was Impacted, Describe Fully.*
During excavation activities, groundwater was encountered during the excavation. Upon completing excavation activities, the water will be pulled from the excavation, and sample for BTEX

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was taken out of service at the Masden Gas COM #1 well site due to facility upgrades 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 above the 'Pit Rule' standards of 100 ppm TPH, confirming that a release has occurred. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 50 due to a depth to groundwater of less than 50 feet; a distance to the San Juan River of less than 1,000 feet, and a distance to a water well of less than 1,000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. Brandon Powell, NMOCD Aztec Office, was notified via phone upon encountering groundwater during excavation activities.

Describe Area Affected and Cleanup Action Taken *
Excavation activities have begun at this location to remove impacted soils from beneath the below grade tank at this location. Upon excavation beneath the below grade tank, it was discovered that the release was not from the below grade tank, but was likely a historical earthen pit. Groundwater was encountered at approximately 6' deep in the excavation. Currently, the excavation has been completed, and XTO is awaiting sample results to confirm that the remaining soil is below the closure standards for TPH and BTEX, and to determine if there is any impact to groundwater. A final spill closure report will follow

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, CHMM #15676	Approved by District Supervisor
Title: EH&S Supervisor	Approval Date: / Expiration Date:
E-mail Address: James_McDaniel@xtoenergy.com	Conditions of Approval: / Attached ☐
Date: 11/18/2011 Phone: 505-333-3701	

CERTIFIED HAZARDOUS MATERIALS MANAGER JAMES P. McDANIEL 15676 CHMM EXPIRES MAY 16, 2016

* Attach Additional Sheets If Necessary

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

Lease Name: Masden Gas COM #1
API No.: 30-045-07894
Description: Unit A, Section 28, Township 29N, 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 November 23, 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 November 23, 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, inspected it for integrity, and will reuse the tank at this location.

6 XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.
All equipment will remain on location for the continued production of oil and gas.

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

A 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	**< 1.0 mg/kg**
BTEX	EPA SW-846 8021B or 8260B	50	**40.7 mg/kg**
TPH	EPA SW-846 418 1	100	**3200 mg/kg**
Chlorides	EPA 300.1	250 or background	**78 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.
Based on TPH results of 3,200 ppm via USEPA Method 418.1, a release has been confirmed for this location. All remediation activities are outlined in the attached Final C-141 Release Notification and Corrective Action form. An initial Release Notification and Corrective Action form was submitted on November 18, 2011 (attached)

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 November 3, 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 November 7, 2011; see attached email printout. Government agencies were authorized by Brandon Powell, NMOCD Aztec Office, to be notified by email.

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 will be reclaimed pursuant to the surface use agreement upon the plugging and abandoning of this well location.

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); **NA**
    viii. Photo documentation of the site reclamation. **attached**

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, November 10, 2011

James McDaniel
XTO Energy
382 County Road 3100
Aztec, NM 87410

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

RE: MASDEN Gas Com #1

Order No.: 1111285

Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 11/4/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Andy Freeman
Laboratory Manager

Hall Environmental Analysis Laboratory, Inc. **Date:** *10-Nov-11*

CLIENT: XTO Energy
Project: MASDEN Gas Com #1
Lab Order: 1111285

CASE NARRATIVE

Analytical Comments for METHOD 8015DRO_S, SAMPLE 1111285-01A: High surrogate due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Nov-11*

Analytical Report

CLIENT:	XTO Energy	**Client Sample ID:**	BGT
Lab Order:	1111285	**Collection Date:**	11/3/2011 2:10:00 PM
Project:	MASDEN Gas Com #1	**Date Received:**	11/4/2011
Lab ID:	1111285-01	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	2700	51		mg/Kg	5	11/6/2011 3.34:46 PM
Surr: DNOP	138	73 4-123	S	%REC	5	11/6/2011 3 34.46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	940	100		mg/Kg	20	11/4/2011 3·41·14 PM
Surr· BFB	619	75 2-136	S	%REC	20	11/4/2011 3:41.14 PM
EPA METHOD 8021B: VOLATILES						Analyst. **RAA**
Benzene	ND	1 0		mg/Kg	20	11/4/2011 3·41·14 PM
Toluene	ND	1.0		mg/Kg	20	11/4/2011 3·41 14 PM
Ethylbenzene	2 7	1.0		mg/Kg	20	11/4/2011 3·41:14 PM
Xylenes, Total	38	2 0		mg/Kg	20	11/4/2011 3.41.14 PM
Surr 4-Bromofluorobenzene	138	80-120	S	%REC	20	11/4/2011 3:41·14 PM
EPA METHOD 300.0: ANIONS						Analyst· **BRM**
Chloride	78	7.5		mg/Kg	5	11/4/2011 12:43 40 PM
EPA METHOD 418.1: TPH						Analyst. **LRW**
Petroleum Hydrocarbons, TR	3200	400		mg/Kg	20	11/4/2011

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: MASDEN Gas Com #1 **Work Order:** 1111285

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB-29218		*MBLK*				Batch ID: **29218**		Analysis Date: 11/4/2011 12 08 50 PM			
Chloride	ND	mg/Kg	1 5								
Sample ID: LCS-29218		*LCS*				Batch ID: **29218**		Analysis Date: 11/4/2011 12:26.15 PM			
Chloride	14 41	mg/Kg	1 5	15	0	96 1	90	110			
Method: EPA Method 418.1: TPH											
Sample ID: MB-29221		*MBLK*				Batch ID: **29221**		Analysis Date: 11/4/2011			
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-29221		*LCS*				Batch ID: **29221**		Analysis Date: 11/4/2011			
Petroleum Hydrocarbons, TR	103 1	mg/Kg	20	100	9.28	93.8	87.8	115			
Sample ID: LCSD-29221		*LCSD*				Batch ID **29221**		Analysis Date: 11/4/2011			
Petroleum Hydrocarbons, TR	101 8	mg/Kg	20	100	9.28	92.5	87.8	115	1 23	8.04	
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-29219		*MBLK*				Batch ID: **29219**		Analysis Date: 11/5/2011 2:46.52 AM			
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Sample ID: LCS-29219		*LCS*				Batch ID: **29219**		Analysis Date: 11/5/2011 3.21.17 AM			
Diesel Range Organics (DRO)	48.17	mg/Kg	10	50	0	96 3	66.7	119			

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. 11/4/2011

Work Order Number 1111285 | Received by AT

Checklist completed by. _____ 11/04/11 | Sample ID labels checked by: AT

Signature | Date | Initials

Matrix: | Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐	
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐		
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH	
Water - VOA vials have zero headspace? No VOA vials submitted	☑	Yes ☐	No ☐		
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑		
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	<2 >12 *unless noted below*	
Container/Temp Blank temperature?	**1.0°**	*<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

Client: XTO Energy

Mailing Address: 382 CR 3100
Aztec, NM 87410

Phone #: 505-787-0519

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: 11-4-11
☐ Standard ☑ Rush Same Day

Project Name: MASDEN GAS COM #1

Project #:

Project Manager: James McDaniel

Sampler: Joshua Kirchner

On Ice: ☑ Yes ☐ No

Sample Temperature: 4°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	8015 TPH - GRO/DRO	8021 BTEX	418.1 TPH	Chloride	TCLP Metals	RCRA 8 Metals	Air Bubbles (Y or N)
11-3	1410	Soil	BGT	4oz (2)	Cool	-1	✓	✓	✓	✓			

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-3	1500			11/3/11	1506
11/3/11	1549			11/04/11	0900

Remarks: cc to joshua@nelsonreveg.com

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.

James McDaniel /FAR/CTOC
11/03/2011 08 38 PM

To brandon powell@state.nm.us
cc
bcc
Subject Masden Gas COM #1 BGT Closure

Brandon,

Please accept this email as the required notification for BGT closure activities at the Masden Gas COM #1, API #30-045-07894, located in Unit A, Section 28, Township 29N, Range 11W, San Juan County, New Mexico. Thank you for your time in regards to this matter.

James McDaniel, CHMM #15676
EH&S Supervisor
XTO Energy, Inc.
Office # 505-333-3701
Cell # 505-787-0519
James_Mcdaniel@xtoenergy.com

James McDaniel /FAR/CTOC
11/07/2011 02 19 PM

To rbarnes@bloomfieldnm.com
cc
bcc
Subject Masden Gas COM #1 BGT Closure

Mr. Barnes,

As we discussed earlier today, XTO will be closing the below grade tank at the Masden Gas COM #1 (api #30-045-07894) located in Unit A, Section 28, Township 29N, Range 11W, San Juan County, New Mexico. This below grade tank is being closed due to maintenance upgrades, and the pit tank will be moved above ground for future operations. Please don't hesitate to contact me with any additional questions regarding this project.

James McDaniel, CHMM #15676
EH&S Supervisor
XTO Energy, Inc.
Office # 505-333-3701
Cell # 505-787-0519
James_Mcdaniel@xtoenergy.com

XTO Energy, Inc.
Masden Gas COM #1
Section 28, Township 29N, Range 11W
Closure Date: 11/23/2011

Photo 1: Masden Gas COM #1 after backfill and Tank Re-Set (View 1)

Photo 2: Masden Gas COM #1 after backfill and Tank Re-Set (View 2)

Well Below Tank Inspection Report

RouteName	StopName	Pumper	Foreman	WellName	APIWellNumber	Section	Range	Township
FAR NM Run 61	MASDEN GAS COI	Weaver, Cha	Bramwell, C	MASDEN GC 01	3004507894	28	11W	29N

InspectorName	Inspection Date	Inspection Time	Visible Liner Tears	VisibleTankLeak Overflow	Collection OfSurface Run	Visible Layer Oil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes
Tony Breadmont	08/19/2008	09 14	No	No	Yes	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	09/15/2008	02 05	No	No	Yes	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	10/11/2008	02 29	No	No	Yes	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	11/02/2008	11 30	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	12/26/2008	07 30	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	01/07/2009	07 30	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	02/25/2009	10 15	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	03/26/2009	09 20	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	04/13/2009	11 18	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
Tony Breadmont	05/10/2009	12 59	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
L Ross	06/05/2009	11 30	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
L Ross	07/08/2009	12 10	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
L Ross	08/09/2009	08 46	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	09/04/2009	07 54	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	10/20/2009	07 00	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	11/11/2009	01 22	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	12/10/2009	12 53	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	01/12/2010	09 47	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
rf	02/02/2010	01 11	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
rf	03/12/2010	11 15	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
rf	04/08/2010	11 44	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	05/07/2010	11 54	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
rf	06/02/2010	10 19	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	07/02/2010	10 46	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	08/03/2010	10 34	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	09/05/2010	01 22	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	10/05/2010	02 22	No	No	No	Yes	No	4	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	11/05/2010	11 50	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	12/04/2010	09 06	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	01/13/2011	11 32	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	02/01/2011	09 30	No	No	No	Yes	No	3	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	03/05/2011	02 01	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water
tb	04/05/2011	12 38	No	No	No	Yes	No	2	Compressor Water Pit	Below Ground	Oil from separator discharge Run-off water

cw	05/24/2011	01 34	No	No	No	Yes	No	2	Well Water Pit	Below Ground	3 phase vertical sep	oil in pit
cw	06/01/2011	09 03	No	No	No	Yes	No	3	Well Water Pit	Below Ground	3 phase vertical sep	oil in pit
cw	06/01/2011	09 03	No	No	No	Yes	No	3	Well Water Pit	Below Ground		
cw	07/06/2011	08 09	No	No	No	Yes	No	2	Well Water Pit	Below Ground	3 phase vertical sep	oil in pit
cw	08/03/2011	09 13	No	No	No	Yes	No	2	Well Water Pit	Below Ground		
cw	09/21/2011	08 48	No	No	No	Yes	No	4	Well Water Pit	Below Ground		
cw	10/13/2011	09 39	No	No	No	Yes	No	3	Well Water Pit	Below Ground		