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

8910

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.

1.
Operator: XTO Energy, Inc OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name. Breech D #685G
API Number 30-039-31014 OCD Permit Number
U/L or Qtr/Qtr J Section 11 Township 26N Range 6W County Rio Arriba
Center of Proposed Design: Latitude 36 49930 Longitude 107.43439 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 20 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other
☒ String-Reinforced
Liner Seams. ☒ Welded ☒ Factory ☐ Other Volume. bbl Dimensions L 200 x W 80 x D 8-12

RECEIVED
SEP 2011
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) **To be used during completion operations**
☐ 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

RECEIVED
MAY 2012
OIL CONS. DIV. DIST. 3

4.
☐ **Below-grade tank:** Subsection I of 19 15 17 11 NMAC
Volume bbl Type of fluid
Tank Construction material:
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
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

44

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 Fencing- Hogwire

☐ 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 - 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

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: Envirotech — Disposal Facility Permit Number: NM01-0011

Disposal Facility Name: IEI — Disposal Facility Permit Number: NM01-0010B

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): Malia Villers Title: Permitting Tech.

Signature: Malia Villers Date: 9-2-11

e-mail address: malia_villers@xtoenergy com Telephone (505) 333-3100

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

OCD Representative Signature: Jonathan Kelly Jonathan Kelly 6/6/2012 **Approval Date:** 9/07/2011

Title: Compliance Officer **OCD Permit Number:**

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19 15.17.13 NMAC

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

☒ **Closure Completion Date:** 3/30/12

22
Closure Method:

☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain

23.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please 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 36.49929 Longitude -107.43417 NAD ☐1927 ☒1983

25
Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Logan Hixon Title: EH&S Technician

Signature: Logan Hixon Date: 5/25/2012

e-mail address: Logan_Hixon@XTOenergy.com Telephone: (505) 333-3683

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: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Breech D #685G (30-039-31014)	Facility Type: Gas Well (Dakota, Mesaverde, Mancos)

Surface Owner: Federal	Mineral Owner.	Lease No.. NMNM-03553

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	11	26N	6W	1760	FSL	1865	FEL	Rio Arriba

Latitude: 36 49930 **Longitude:** -107.43439

NATURE OF RELEASE

Type of Release None	Volume of Release NA	Volume Recovered NA
Source of Release None	Date and Hour of Occurrence NA	Date and Hour of Discovery NA
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken *
The drill pit at the Breech D #685G was closed on March 30, 2012 A composite sample was collected from the pit pre-stabilization on March 20, 2012, and returned results below the 0 2 ppm benzene standard, the 50 ppm total BTEX standard, and the 2,500 ppm TPH standard, but above the 500 ppm GRO/DRO standard at 982 ppm and above the 500 ppm Chloride standard at 1500 ppm After the contents of the drill pit had been stabilized an additional composite sample was collected on April 5, 2012 from the drill pit The sample was analyzed for chlorides and DRO/GRO and returned results below the 500 ppm chloride standard and below the 500 ppm DRO/GRO. The contents of the drill pit were buried in place No further action is required for this pit Applicable analytical results are included with this report

Describe Area Affected and Cleanup Action Taken *
No release has occurred at this location

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

Signature Logan Hixon	OIL CONSERVATION DIVISION Approved by District Supervisor	
Printed Name Logan Hixon		
Title EH&S Technician	Approval Date	Expiration Date
E-mail Address Logan_Hixon@xtoenergy com	Conditions of Approval.	Attached ☐
Date 5/25/2012 Phone. 505-333-3683		

* Attach Additional Sheets If Necessary

XTO Energy Inc.
San Juan Basin
Closure Report

Lease Name: Breech D #685G
API No.: 30-039-31014
Description: Unit J, Section 11, Township 26N, Range 6W, Rio Arriba County, NM

In accordance with Rule 19 15.17 13 NMAC the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144.

- Proof of Closure Notice
- Proof of Deed Notice (Not Required)
- Plot Plan
- C-105
- Sampling Results
- Details on Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique
- Site Reclamation Photos (Including Steel Marker)

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycled, reused, or reclaimed in a manner that the Aztec Division office approves.

   Fluids were pulled from the reserve pit on December 23, 2011 through March 9, 2012 and disposed of at Basin Disposal, NM-01-005.

2. The preferred method of closure for all temporary pits will be on-site, in-place burial, assuming that all criteria listed in Subsection (B) of 19.15.17.13 are met.

   On-site, in-place burial plan for this location was approved by the Aztec Division office on September 7, 2011.

3. The surface owner shall be notified of XTO proposed closure plan using a means that provides proof of notice, i.e., Certified Mail, return receipt requested.

   The surface owner was notified of on-site burial by email, September 2, 2011 (attached), and by email on March 20, 2012 (attached). Email notification was authorized to government agencies by Brandon Powell, NMOCD Aztec Office.

4. Within 6 months of Rig Off status occurring, XTO will ensure that temporary pits are closed, re-contoured, and reseeded.

   Rig moved off location December 24, 2012. Pit closed March 30, 2012.

5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following.
   i. Operator's Name
   ii. Well Name and API Number
   iii. Location by Unit Letter, Section. Township, Range

   Notification was sent to the Aztec Office of the OCD on March 20, 2012 (attached), Closure activities began on March 27, 2012.

6. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve appropriate solidification. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed as safe and stable The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents

   Pit contents were mixed with non-waste containing, earthen material in order to achieve

appropriate solidification. The solidification process was accomplished using a combination of natural drying and mechanically mixing using a dozer and track-hoe. Pit contents were mixed with non-waste, earthen material to a consistency that was deemed safe and stable. The mixing ratio did not exceed 3 parts clean soil to 1 part pit contents.

7. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner Care will be taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.

   Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting liner at mud level and removing all remaining liner. Care was taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner was disposed of at a licensed disposal facility, (San Juan County Landfill).

8. A five point composite sample will be taken using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19 15 17 13 i e. dig and haul. Disposal facilities to be utilized should this method be required will be Envirotech, Permit No. NM01-0011 or IEI, Permit No NM01-0010B

   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 (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	**0.019**
BTEX	EPA SW-846 8021B or 8260B	50	**0.22**
TPH	EPA SW-846 418 1	2500	**104**
Pre Stabilization GRO/DRO	EPA SW-846 8015M	500	**982**
Post Stabilization GRO/DRO	EPA SW-846 8015M	500	**33.3**
Pre Stabilization Chlorides	EPA 300.1	500 or background	**1500**
Post Stabilization Chlorides	EPA 300.1	500 or background	**230**

9. Upon completion of solidification and testing, the pit area will be backfilled with compacted, non-waste containing earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

   Upon completion of solidification and testing, the pit area was backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover was achieved and the cover included one foot of background topsoil suitable for establishing vegetation at the site or natural levels, whichever was greater. Backfill and cover were placed to match existing grade.

10. Re-contouring of the location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, ponding prevention, and erosion prevention 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 a smooth surface, fitting the natural landscape

    Re-contouring of location matches fit, shape, line, form and texture of the surrounding area. Re-shaping of the location included drainage control, ponding prevention, and erosion prevention. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final re-contour has a uniform appearance with smooth surface, fitting the natural landscape.

11. Notification will be sent to OCD when the reclaimed area is seeded.

    A C-103 is included in this report. The site was re-seeded using the BLM +10 seed mixture on April 6, 2012.

12 XTO shall seed the disturbed areas the first growing season after the pit is closed. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods BLM of 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.

Notification via C-103 will be sent to OCD when the reclaimed area successfully achieves re-vegetation for two successive growing seasons.

13. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the on-site burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time all wells on the pad are abandoned The operator's information will include the following: Operator's Name, Lease Name, Well Name and Number, Unit Number, Section, Township, Range and an indicator that the marker is an on-site burial location.

The temporary pit was located with a steel marker cemented in a hole three feet deep in the center of the onsite burial. The marker includes the operator's information. The marker was set in a way to not impede reclamation activities. The operator's information includes the following: XTO Energy Inc., Breech D #685G, Unit J, Sec. 11, T26N, R6W, Rio Arriba Co "In Place Burial".

14. XTO shall file a deed notice identifying the exact location of the on-site burial with the county clerk in the county where the on-site burial occurs.

Not required on state, federal, or tribal land according to FAQ dated October 30, 2008 and posted on the OCD website.

15. Due to a misunderstanding from the drilling department, the pit inspections completed during drilling were completed on a daily basis, but were not recorded. No leaks or tears in the liner were discovered during drilling activities Inspections completed by EH&S after the rig was released were completed and documented, and are attached with this report. XTO has cleared up the misunderstanding with the drilling department, and pit inspections will be documented in the future.

Submit To Appropriate District Office
Two Copies
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd , 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-105
July 17, 2008

1. WELL API NO.
30-039-31003

2 Type of Lease
☐ STATE ☐ FEE ☐ FED/INDIAN

3 State Oil & Gas Lease No
NMNM-03553

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4 Reason for filing

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC)

5 Lease Name or Unit Agreement Name
Breech D

6. Well Number
685 G

7 Type of Completion.
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8 Name of Operator
XTO Energy, Inc.

9 OGRID
5380

10 Address of Operator
382 County Road 3100
Aztec, New Mexico 87410
505-333-3100

11 Pool name or Wildcat

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13 Date Spudded	14. Date T D Reached	15 Date Rig Released	16 Date Completed (Ready to Produce)	17 Elevations (DF and RKB, RT, GR, etc.)
		12/24/2011		

18 Total Measured Depth of Well	19 Plug Back Measured Depth	20 Was Directional Survey Made?	21 Type Electric and Other Logs Run

22 Producing Interval(s), of this completion - Top, Bottom, Name

23 **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB /FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25 TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26 Perforation record (interval, size, and number)

27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio

Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - *(Corr.)*

29 Disposition of Gas *(Sold, used for fuel, vented, etc.)*

30 Test Witnessed By

31 List Attachments

32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit **attached**

33 If an on-site burial was used at the well, report the exact location of the on-site burial
Latitude **36.49929** Longitude **-107.43412** NAD 1927 **1983**

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief
Signature Logan Hixon Printed Name: **Logan Hixon** Title: EH&S Technician

E-mail Address Logan_Hixon@xtoenergy.com Date: 5/25/12

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

DISTRICT I
1625 N French Dr, Hobbs, NM 88240

DISTRICT II
1301 W Grand Ave, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

DISTRICT IV
1220 South St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St Francis Dr
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name

[4] Property Code	[5] Property Name	[6] Well Number
	BREECH D	685G

[7] OGRID No	[8] Operator Name	[9] Elevation
	XTO ENERGY INC	6577'

[10] Surface Location

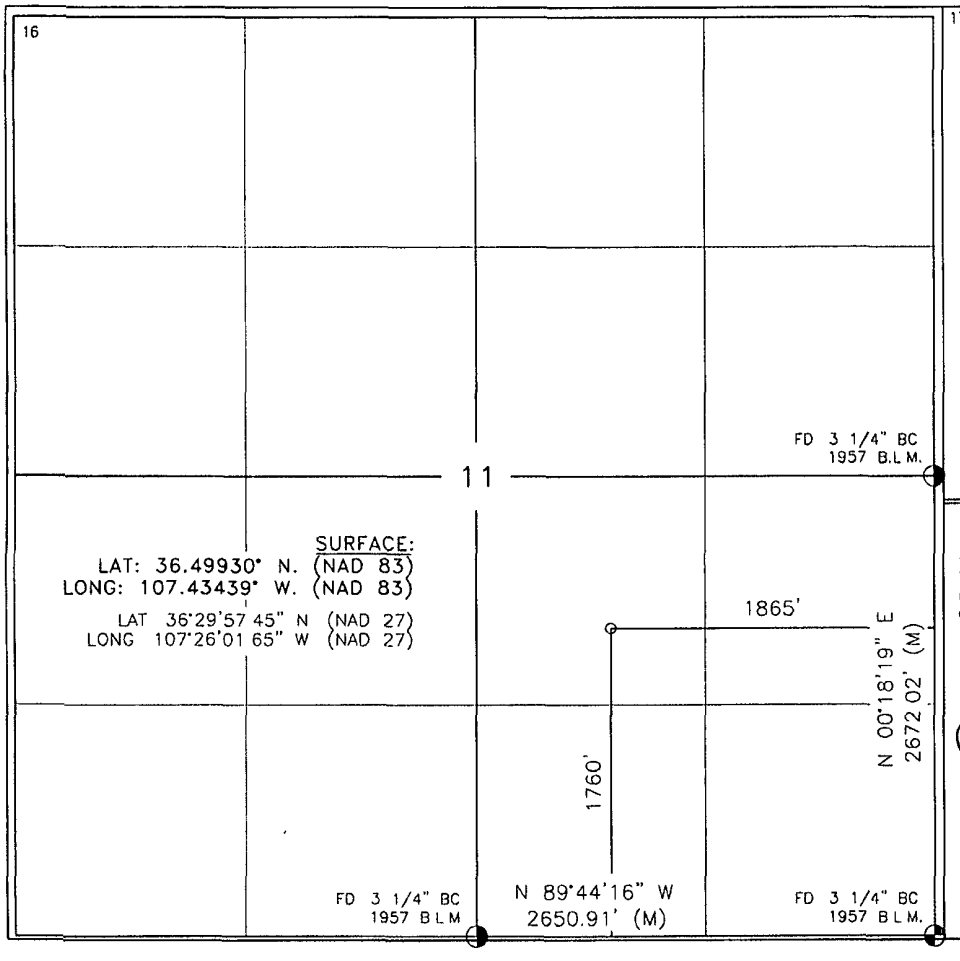
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	11	26-N	6-W		1760	SOUTH	1865	EAST	RIO ARRIBA

[11] Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Signature Date

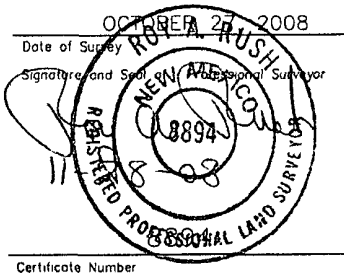
Printed Name

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge & belief

OCTOBER 2, 2008
Date of Survey

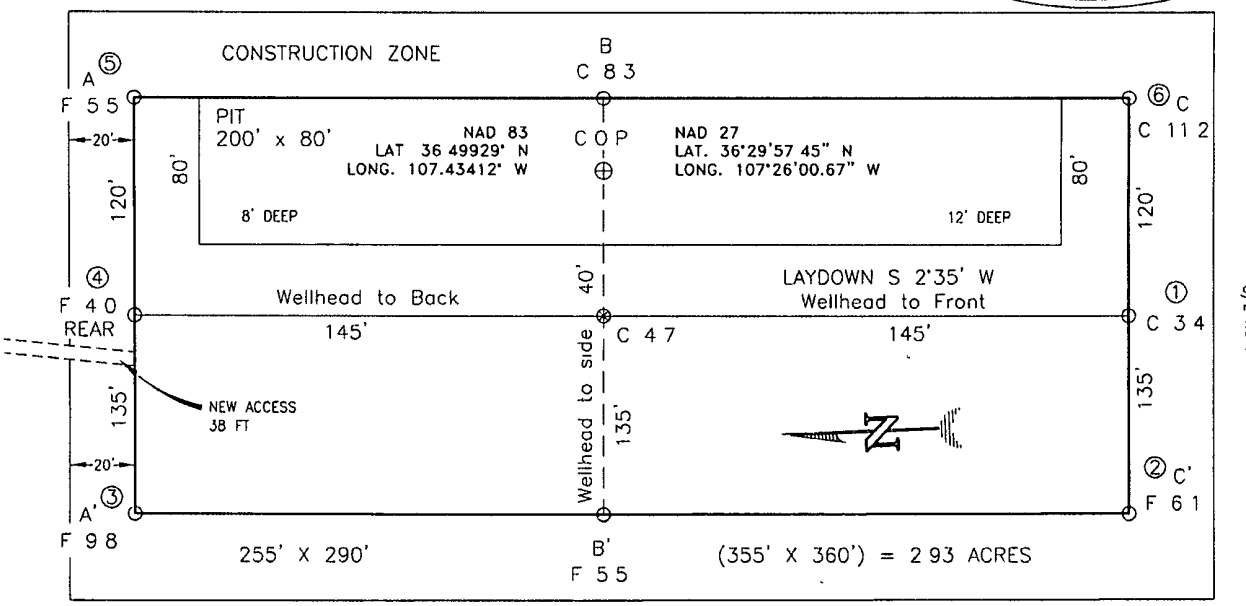
Signature and Seal of Professional Surveyor



Certificate Number

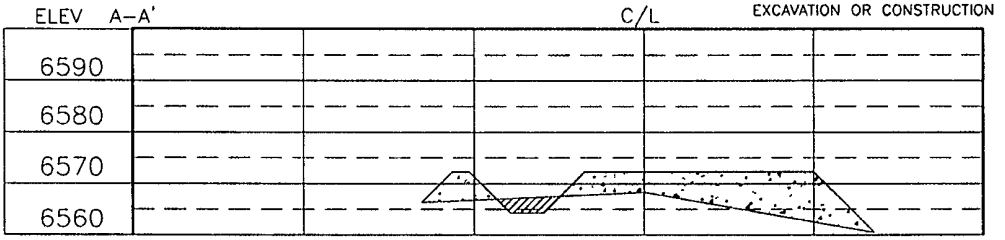
XTO ENERGY INC.
BREECH D No. 685G, 1760 FSL 1865 FEL
SECTION 11, T26N, R6W, N.M.P.M., RIO ARRIBA COUNTY, N.M.
GROUND ELEVATION: 6577' DATE: OCTOBER 27, 2008

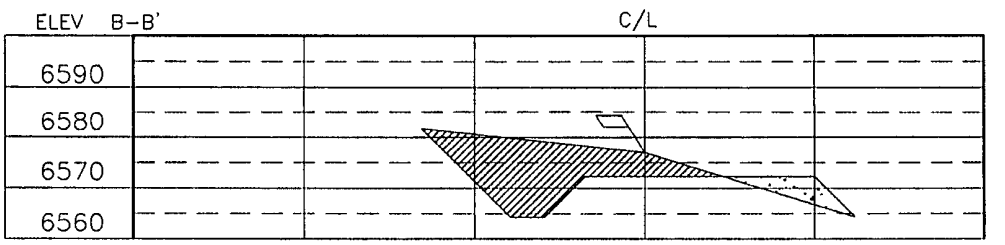
NAD 83
LAT. = 36.49930° N
LONG. = 107.43439° W
NAD 27
LAT = 36°29'57.45" N
LONG = 107°26'01.65" W

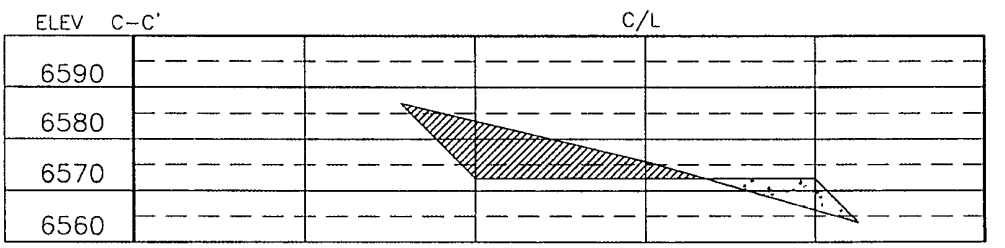


RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW – 3' WIDE AND 1' ABOVE SHALLOW SIDE)
BLOW PIT OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT

NOTE DAGGETT ENTERPRISES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION



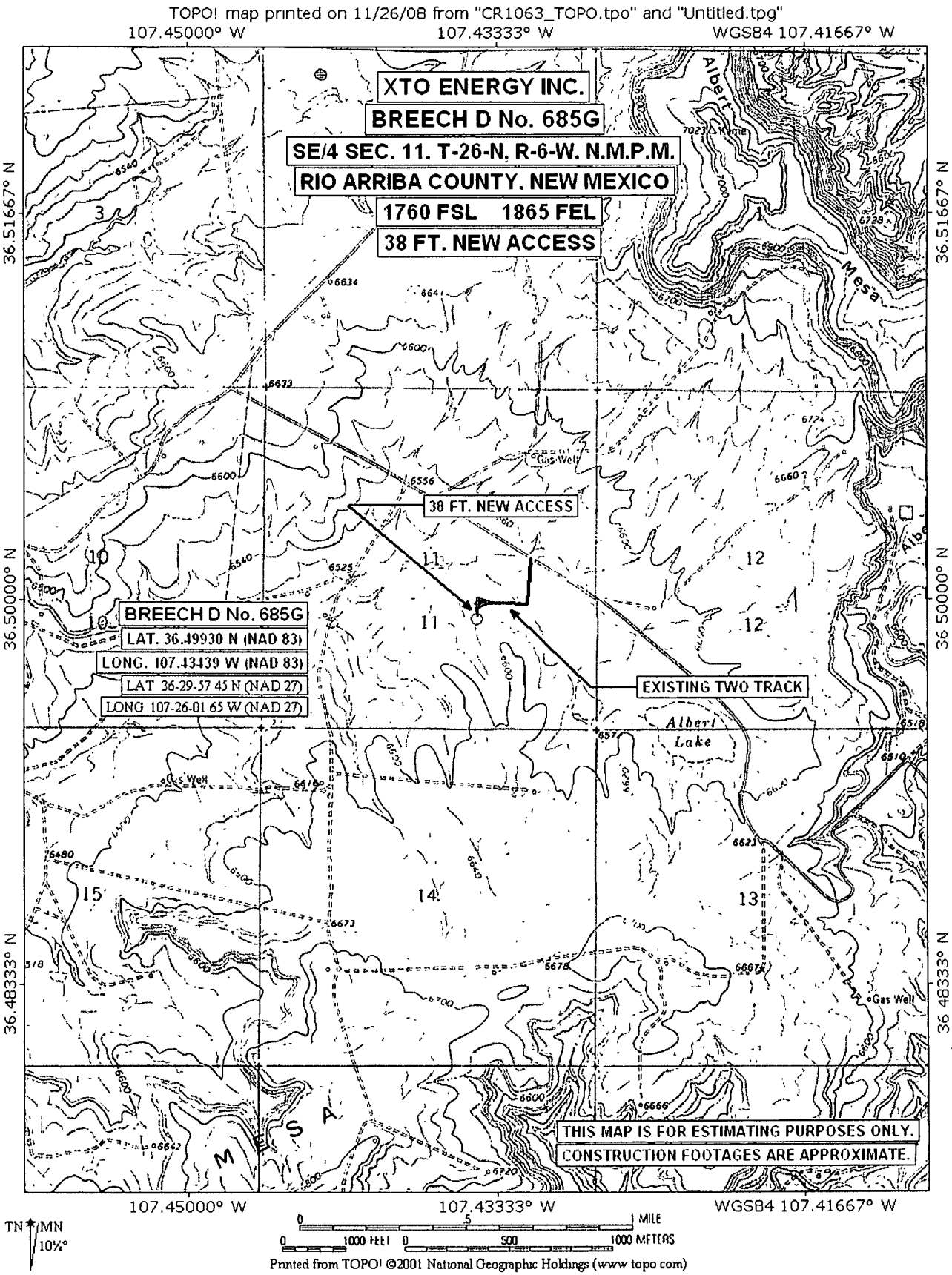




NOTE CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION

Daggett Enterprises, Inc.
Surveying and Oil Field Services
P O Box 510 Farmington, NM 87499
Phone (505) 326-1772 · Fax (505) 326-6019
NEW MEXICO L S No 8894

REVISION | DATE | REVISED BY
DRAWN BY G V | CADFILE CR1063_CFB
ROW# CR1063 | DATE 11/26/08


TOPO! map printed on 11/26/08 from "CR1063_TOPO.tpo" and "Untitled.tpg"
107.45000° W
107.43333° W
WGS84 107.41667° W
36.51667° N
36.50000° N
36.48333° N
XTO ENERGY INC.
BREECH D No. 685G
SE/4 SEC. 11, T-26-N, R-6-W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO
1760 FSL 1865 FEL
38 FT. NEW ACCESS
38 FT. NEW ACCESS
BREECH D No. 685G
LAT. 36.49930 N (NAD 83)
LONG. 107.43439 W (NAD 83)
LAT 36-29-57 45 N (NAD 27)
LONG 107-26-01 65 W (NAD 27)
EXISTING TWO TRACK
Albert Lake
Mesa
Gas Well
THIS MAP IS FOR ESTIMATING PURPOSES ONLY.
CONSTRUCTION FOOTAGES ARE APPROXIMATE.
TN MN
10¼°
0 5 MILE
0 1000 FEET 0 500 1000 METERS
Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)

ESC
LAB SCIENCES
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

Thursday March 22, 2012

Report Number: L565964
Samples Received: 03/21/12
Client Project:

Description: Drill Pit

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 R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences
Note The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures 060302, 060303, and 060304.

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1-800-767-5859
Fax (615) 758-5859

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Est 1970

REPORT OF ANALYSIS

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

March 22,2012

ESC Sample # : L565964-01

Date Received : March 21, 2012
Description : Drill Pit

Site ID : BREECH D85G

Sample ID : DRILL PIT

Project # :

Collected By : Walt Howard
Collection Date : 03/20/12 14:14

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	1500	21.	mg/kg	9056	03/22/12	1
Total Solids	48.5	0.100	%	2540G	03/22/12	1
Benzene	0.019	0.0052	mg/kg	8021/8015	03/21/12	5
Toluene	0.066	0.052	mg/kg	8021/8015	03/21/12	5
Ethylbenzene	0.017	0.0052	mg/kg	8021/8015	03/21/12	5
Total Xylene	0.12	0.015	mg/kg	8021/8015	03/21/12	5
TPH (GC/FID) Low Fraction	12.	1 0	mg/kg	GRO	03/21/12	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	95.6		% Rec.	8021/8015	03/21/12	5
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	03/21/12	5
TPH (GC/FID) High Fraction	970	41.	mg/kg	3546/DRO	03/22/12	5
Surrogate recovery(%)						
o-Terphenyl	59.3		% Rec.	3546/DRO	03/22/12	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 03/22/12 16:12 Printed: 03/22/12 16:12

Summary of Remarks For Samples Printed
03/22/12 at 16:12:31

TSR Signing Reports: 288
R2 - Rush: Next Day

Sample: L565964-01 Account: XTORNM Received: 03/21/12 09:00 Due Date: 03/22/12 00:00 RPT Date: 03/22/12 16:12

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

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Est. 1970

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

Aztec, NM 87410

Quality Assurance Report
Level II

L565964

March 22, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg			WG583911	03/21/12 16:38
Ethylbenzene	< .0005	mg/kg			WG583911	03/21/12 16:38
Toluene	< .005	mg/kg			WG583911	03/21/12 16 38
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG583911	03/21/12 16:38
Total Xylene	< .0015	mg/kg			WG583911	03/21/12 16 38
a,a,a-Trifluorotoluene(FID)		% Rec.	97.65	59-128	WG583911	03/21/12 16 38
a,a,a-Trifluorotoluene(PID)		% Rec.	104.3	54-144	WG583911	03/21/12 16 38
TPH (GC/FID) High Fraction	< 4	ppm			WG584012	03/22/12 10 35
o-Terphenyl		% Rec.	93.36	50-150	WG584012	03/22/12 10 35
Total Solids	< 1	%			WG583927	03/22/12 10 31
Chloride	< 10	mg/kg			WG583902	03/22/12 00 11

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	50.0	48 5	3.88	5	L565964-01	WG583927
Chloride	mg/kg	7600	7700	1.31	20	L565951-01	WG583902

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0 0482	96.4	76-113	WG583911
Ethylbenzene	mg/kg	.05	0 0510	102.	78-115	WG583911
Toluene	mg/kg	.05	0.0512	102.	76-114	WG583911
Total Xylene	mg/kg	15	0 156	104.	81-118	WG583911
a,a,a-Trifluorotoluene(PID)				106.9	54-144	WG583911
TPH (GC/FID) Low Fraction	mg/kg	5 5	6 20	113.	67-135	WG583911
a,a,a-Trifluorotoluene(FID)				103.4	59-128	WG583911
TPH (GC/FID) High Fraction	ppm	60	47 4	79.0	50-150	WG584012
o-Terphenyl				96 78	50-150	WG584012
Total Solids	%	50	50 1	100	85-115	WG583927
Chloride	mg/kg	200	209.	105.	85-115	WG583902

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0421	0 0482	84 0	76-113	13.5	20	WG583911
Ethylbenzene	mg/kg	0.0451	0.0510	90.0	78-115	12 3	20	WG583911
Toluene	mg/kg	0.0453	0.0512	91 0	76-114	12 2	20	WG583911
Total Xylene	mg/kg	0.137	0.156	92 0	81-118	12 7	20	WG583911
a,a,a-Trifluorotoluene(PID)				104 1	54-144			WG583911
TPH (GC/FID) Low Fraction	mg/kg	6.26	6.20	114	67-135	0.930	20	WG583911
a,a,a-Trifluorotoluene(FID)				103.8	59-128			WG583911

* 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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Mt. Juliet, TN 37122
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Tax I.D 62-0814289

Est. 1970

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

Aztec, NM 87410

Quality Assurance Report
Level II

L565964

March 22, 2012

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	ppm	48 5	47.4	81 0	50-150	2.15	25	WG584012
o-Terphenyl				94.97	50-150			WG584012
Chloride	mg/kg	214	209	107.	85-115	2.36	20	WG583902

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.187	0	05	74 9	32-137	L565515-05	WG583911
Ethylbenzene	mg/kg	0.196	0	.05	78.4	10-150	L565515-05	WG583911
Toluene	mg/kg	0.201	0	.05	80 4	20-142	L565515-05	WG583911
Total Xylene	mg/kg	0 595	0	.15	79.3	16-141	L565515-05	WG583911
a,a,a-Trifluorotoluene(PID)					102.4	54-144		WG583911
TPH (GC/FID) Low Fraction	mg/kg	25.7	0	5.5	93.5	55-109	L565515-05	WG583911
a,a,a-Trifluorotoluene(FID)					102.0	59-128		WG583911
Chloride	mg/kg	1700	1200	500	50.0*	80-120	L565958-01	WG583902

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0 201	0 187	80.3	32-137	6.90	39	L565515-05	WG583911
Ethylbenzene	mg/kg	0 204	0 196	81.7	10-150	4.05	44	L565515-05	WG583911
Toluene	mg/kg	0 212	0 201	84.8	20-142	5.31	42	L565515-05	WG583911
Total Xylene	mg/kg	0.621	0 595	82.8	16-141	4.34	46	L565515-05	WG583911
a,a,a-Trifluorotoluene(PID)				103.4	54-144				WG583911
TPH (GC/FID) Low Fraction	mg/kg	25.6	25.7	93 1	55-109	0.460	20	L565515-05	WG583911
a,a,a-Trifluorotoluene(FID)				101.8	59-128				WG583911
Chloride	mg/kg	1770	1700	57 0*	80-120	4 03	20	L565958-01	WG583902

Batch number /Run number / Sample number cross reference

WG583911: R2083533. L565964-01
WG584012: R2084435: L565964-01
WG583927: R2084617: L565964-01
WG583902· R2085055· L565964-01

* * 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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Tax I.D 62-0814289

Est. 1970

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

Aztec, NM 87410

Quality Assurance Report
Level II

L565964

March 22, 2012

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

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

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

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

E206

Chain of Custody
Page___of___

Company Name/Address

XTO ENERGY, INC.

382 County Road 3100
AZTEC, NM 87410

Alternate Billing

Report to James McDaniel

E-mail to james_mcdaniel@xtoenergy com

Analysis/Container/Preservative

Prepared by

ENVIRONMENTAL SCIENCE CORP

12065 Lebanon Road

Mt Juliet TN 37122

Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description **Drill Pit**

City/State Collected

PHONE 505-333-3701

FAX

Client Project No

Lab Project #

Collected by Walt Howard

Site/Facility ID# BREECH D #56

PO#

Collected by(signature) Walt Howard

Packed on Ice N___ Y✓

Rush? (Lab MUST be Notified)

___X___ Next Day 100%

_____ Two Day 50%

_____ Three Day 25%

Date Results Needed 3-21-2012

Email?___No_X__Yes

FAX?___No___Yes

CoCode (lab use only)

XTORNM

Template/Prelogin

Shipped Via Fed Ex

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	8015	8021	Chlorides				Remarks/contaminant	Sample # (lab only)
DRILL PIT	COMP			3/20	14:14	1	X	X	X					1316544-61
														L565964

Matrix SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

RUSH !!!

pH_____ Temp_____

Remarks "ONLY 1 COC Per Site!!" 4341 9819 3711

Flow_____ Other_____

Relinquisher by (Signature	Date	Time	Received by (Signature)	Samples returned via FedEx_X_ UPS__Other__	Condition (lab use only)
Walt Howard	3/20/12				
Relinquisher by (Signature	Date	Time	Received by (Signature)	Temp 3.00	Bottles Received 1-4oz.
Relinquisher by (Signature	Date	Time	Received for lab by (Signature)	Date 3-21-12	Time 0900
					pH Checked NCF

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Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	XTO	Project #:	98031-0528
Sample ID.	Drill pit	Date Reported:	03-21-12
Laboratory Number:	61453	Date Sampled:	03-20-12
Chain of Custody No:	13595	Date Received:	03-20-12
Sample Matrix:	Solid	Date Extracted.	03-21-12
Preservative:	Cool	Date Analyzed:	03-21-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**104**	**9.6**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Breech D 685G**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported.	03-21-12
Laboratory Number.	03-21-TPH.QA/QC 61452	Date Sampled:	N/A
Sample Matrix.	Freon-113	Date Analyzed:	03-21-12
Preservative:	N/A	Date Extracted	03-21-12
Condition:	N/A	Analysis Needed.	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	01-17-12	03-21-12	1,850	1,720	7.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	9.6

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	88.7	81.3	8.3%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	88.7	2,000	2,000	95.8%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418 1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **QA/QC for Samples 61452-61453.**

Analyst

Review

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

CHAIN OF CUSTODY RECORD

13595

Client: XTO	Project Name / Location: Breech D 68s G
Email results to: james_mcdaniel@xtoenergy.com	Sampler Name: Walt Howard
Client Phone No.: 505-333-3701	Client No.: 98031-0528

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No /Volume of Containers	Preservative $HgCl_2$	Preservative HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418 1)	CHLORIDE				Sample Cool	Sample Intact
~~4 BG~~ 1 Drill Pit	3/20	15:17	61453	4oz											X					Y	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Walt Howard	3/20/12	4:20		3/20/12	4:20
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix

Soil ☐ Solid ☒ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area

envirotech
Analytical Laboratory

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Est. 1970

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

Report Summary

Wednesday April 04, 2012

Report Number: L567680
Samples Received: 03/30/12
Client Project:

Description: Breeh D 685 G

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 R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

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

April 04,2012

ESC Sample # : L567680-01

Site ID :

Project # :

Date Received : March 30, 2012
Description : Breeh D 685 G

Sample ID : CONFIRMATION

Collected By : Joshua Kirchner
Collection Date : 03/29/12 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	51.4	0.100	%	2540G	04/04/12	1
TPH (GC/FID) Low Fraction	7.3	0.97	mg/kg	8015D/GRO	04/01/12	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene(FID)	99.1		% Rec.	602/8015	04/01/12	5
TPH (GC/FID) High Fraction	26.	7.8	mg/kg	3546/DRO	04/02/12	1
Surrogate recovery(%)						
o-Terphenyl	67.7		% Rec.	3546/DRO	04/02/12	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 04/04/12 13:07 Printed: 04/04/12 13:12

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

Aztec, NM 87410

Quality Assurance Report
Level II

L567680

April 04, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction	< 4	ppm			WG585693	04/02/12 10:15
o-Terphenyl		% Rec.	89.60	50-150	WG585693	04/02/12 10:15
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG585765	04/01/12 10:55
a,a,a-Trifluorotoluene(FID)		% Rec.	96.97	59-128	WG585765	04/01/12 10:55
Total Solids	< .1	%			WG586060	04/04/12 12:48

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	71.0	75.0	6.02*	5	L567616-01	WG586060

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction	ppm	60	43.9	73.2	50-150	WG585693
o-Terphenyl				83.97	50-150	WG585693
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.46	99.3	67-135	WG585765
a,a,a-Trifluorotoluene(FID)				101.3	59-128	WG585765
Total Solids	%	50	50.1	100.	85-115	WG586060

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	ppm	39.0	43.9	65.0	50-150	11.7	25	WG585693
o-Terphenyl				77.31	50-150			WG585693
TPH (GC/FID) Low Fraction	mg/kg	5.52	5.46	100.	67-135	1.05	20	WG585765
a,a,a-Trifluorotoluene(FID)				101.7	59-128			WG585765

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	2.06	0	5.5	37.5*	55-109	L567569-04	WG585765
a,a,a-Trifluorotoluene(FID)					98.24	59-128		WG585765
TPH (GC/FID) High Fraction	ppm	210.	130.	60	134.	50-150	L567643-01	WG585693
o-Terphenyl					42.34*	50-150		WG585693

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	2.94	2.06	53.5*	55-109	35.3*	20	L567569-04	WG585765
a,a,a-Trifluorotoluene(FID)				99.61	59-128				WG585765
TPH (GC/FID) High Fraction	ppm	206.	210.	126.	50-150	2.22	25	L567643-01	WG585693
o-Terphenyl				40.08*	50-150				WG585693

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

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

Aztec, NM 87410

Quality Assurance Report
Level II

L567680

April 04, 2012

Batch number /Run number / Sample number cross reference

WG585693: R2098873: L567680-01
WG585765: R2099673: L567680-01
WG586060: R2104116: L567680-01

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

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

Aztec, NM 87410

Quality Assurance Report
Level II

L567680

April 04, 2012

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

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

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

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

Company Name/Address	Alternate Billing	Analysis/Container/Preservative	Chain of Custody Page___of___
XTO ENERGY, INC. **382 County Road 3100** **AZTEC, NM 87410**	Report to James McDaniel E-mail to james_mcdaniel@xtoenergy com		Prepared by F022 ENVIRONMENTAL SCIENCE CORP 12065 Lebanon Road Mt. Juliet TN 37122 Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859

Project Description BREECH D[#] 685 G		City/State Collected	
PHONE 505-333-3701 FAX	Client Project No.	Lab Project #	
Collected by Joshua Kirchner	Site/Facility ID#	P O #	
Collected by(signature) Packed on Ice N___Y___	Rush? (Lab MUST be Notified) _____Next Day 100% _____Two Day 50% _____Three Day 25%	Date Results Needed Email?___No_X__Yes FAX?___No___Yes	CoCode (lab use only) XTORNM Template/Prelogin Shipped Via: Fed Ex

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	TPH 8015	BTEX 8021	Chloride	TCLP Metals	Remarks/contaminant	Sample # (lab only)
CONFIRMATION		SOIL	3'	3-29-12	930	1	✓					L567680-01
												L567680

Matrix SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_______ 4341 9819 3630 pH___________ Temp_________

Remarks "ONLY 1 COC Per Site!!" **please CC results to joshua@nelsonreveg.com**

Relinquisher by (Signature)	Date	Time	Received by (Signature)	Samples returned via FedEx_X_ UPS__Other		Condition (lab use only)
[signature]	3-29	1500				
Relinquisher by (Signature)	Date	Time	Received by (Signature)	Temp 3.2	Bottles Received 1-4oz	
Relinquisher by (Signature)	Date	Time	Received for lab by: (Signature) [signature]	Date: 3-30-12	Time: 0900	pH Checked: NCF:

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Est. 1970

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

Report Summary

Thursday April 05, 2012

Report Number: L568270
Samples Received: 03/30/12
Client Project:

Description: Breeh D 685 G

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 R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures 060302, 060303, and 060304.

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Est. 1970

REPORT OF ANALYSIS

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

April 05,2012

ESC Sample # : L568270-01

Site ID :

Project # :

Date Received : March 30, 2012
Description : Breeh D 685 G

Sample ID : CONFIRMATION

Collected By : Joshua Kirchner
Collection Date : 03/29/12 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	230	19.	mg/kg	9056	04/04/12	1
Total Solids	51.4	0.100	%	2540G	04/04/12	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 04/05/12 13:19 Printed: 04/05/12 13:35

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

Aztec, NM 87410

Quality Assurance Report
Level II

L568270

April 05, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG586060	04/04/12 12:48
Chloride	< 10	mg/kg			WG586197	04/04/12 20:30

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	71.0	75.0	6.02*	5	L567616-01	WG586060
Chloride	mg/kg	0	0	0	20	L567948-03	WG586197

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.1	100.	85-115	WG586060
Chloride	mg/kg	200	216.	108.	80-120	WG586197

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/kg	218.	216.	109.	80-120	0.922	20	WG586197

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/kg	1010	460.	500	110.	80-120	L567811-21	WG586197

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	1020	1010	112.	80-120	0.985	20	L567811-21	WG586197

Batch number /Run number / Sample number cross reference

WG586060: R2104116 L568270-01
WG586197: R2106193: L568270-01

* * 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.'

ESC
L·A B S·C·I·E·N·C E·S
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

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

Aztec, NM 87410

Quality Assurance Report
Level II

L568270

April 05, 2012

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

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

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

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

Company Name/Address	Alternate Billing	Analysis/Container/Preservative	Chain of Custody Page___of___
XTO ENERGY, INC. **382 County Road 3100** **AZTEC, NM 87410**	Report to James McDaniel E-mail to james_mcdaniel@xtoenergy com	TPH 8015, BTEX 8021, Chloride, TCLP Metals	F022 Prepared by ENVIRONMENTAL SCIENCE CORP 12065 Lebanon Road Mt Juliet TN 37122 Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859

Project Description BREECH D# 685 G		City/State Collected
PHONE 505-333-3701 FAX	Client Project No	Lab Project #
Collected by Joshua Kirchner	Site/Facility ID#	P O #
Collected by(signature)	Rush? (Lab MUST be Notified) ____Next Day 100% ____Two Day 50% ____Three Day 25%	Date Results Needed Email?__ No_X__Yes FAX?___No__Yes
Packed on Ice N___Y___		

CoCode (lab use only): XTORNM
Template/Prelogin
Shipped Via: Fed Ex

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	TPH 8015	BTEX 8021	Chloride	TCLP Metals			Remarks/contaminant	Sample # (lab only)
CONFIRMATION		SOIL	3'	3-29-12	930	1	✓						L568270-01	~~L567670-01~~ ~~L567080~~

Matrix SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_______ 4341 9889 3630 pH__________ Temp_________

Remarks "ONLY 1 COC Per Site!!" **please CC results to joshua@nelsonreveg.com**

Relinquished by (Signature)	Date	Time	Received by (Signature)	Samples returned via FedEx_X_ UPS__Other		Condition (lab use only)
[signature]	3-29	1500				TD
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp: 3.2	Bottles Received: 1-4oz	
Relinquished by (Signature)	Date	Time	Received for lab by: (Signature) [signature]	Date: 3-30-12	Time: 0900	pH Checked: NCF:

Andy Vann

From: Daphne Richards
Sent: Wednesday, April 04, 2012 2:47 PM
To: Login (Login@esclabsciences com)
Subject: Relog L567680 XTORNM R2

please relog L567680 for Chloride R2 due 4/5
please transfer TS data WG586060

thanks

Daphne Richards
ESC Lab Sciences
(800) 767-5859 ext 9662
Direct: (615) 773-9662
drichards@esclabsciences.com

Malia Villers/FAR/CTOC
09/02/2011 08:13 AM

To mark_kelly@blm.gov
cc
bcc
Subject Breech D #685G

RE: Breech D #685G
Sec. 11 (J), T26N-R6W, Rio Arriba County

Dear Mr. Kelly,

This submittal is pursuant to Rule 19.15.17.13 requiring operators to notify surface owners of on site burial of temporary pits. XTO Energy Inc. (XTO) is hereby providing written documentation of our intention to close the temporary pit associated with the aforementioned location by means of in place burial

Should you have any questions or require additional information please feel free to contact me at your earliest convenience (505) 333-3100.

Malia Villers
XTO Energy a subsidiary of ExxonMobil
Office: 505-333-3698
Cell 505-787-7700
Fax: 505-333-3284
malia_villers@xtoenergy.com

Logan Hixon /FAR/CTOC
03/20/2012 06 34 AM

To MARK KELLY

cc James McDaniel/FAR/CTOC@CTOC, Scott Baxstrom/FAR/CTOC@CTOC, Luke McCollum/FAR/CTOC@CTOC

bcc

Subject Drill Pit Closure Notification Breech D #685G

Mark,

Please accept this email as the required notification for temporary pit closure activities at the following well site

Breech D #685G (API # 30-039-31014) located in Unit J, Section 11, Township 26N, Range 6W, Rio Arriba County, New Mexico

Closure activities are scheduled to begin next week. Thank you for your time in regards to this matter.

Thank You!
Logan Hixon
Environmental Technician
XTO Energy Inc. An ExxonMobil Subsidiary
Western Division
382 CR 3100
Aztec NM 87410
Office (505)333- 3683
Cell (505) 386-8018
Logan_Hixon@xtoenergy.com

Logan Hixon /FAR/CTOC
03/20/2012 06 38 AM

To BRANDON POWELL
cc James McDaniel/FAR/CTOC@CTOC, Scott Baxstrom/FAR/CTOC@CTOC, Luke McCollum/FAR/CTOC@CTOC
bcc
Subject Drill Pit Closure Notification-Breech D #685G & Huerfano Unit #324

Brandon,

Please accept this email as the required notification for temporary pit closure activities at the following well site

Huerfano Unit #324 (API # 30-045-34980) located in Unit H, Section 16, Township 25N, Range 9W, San Juan County, New Mexico
Breech D #685G (API # 30-039-31014) located in Unit J, Section 11, Township 26N, Range 6W, Rio Arriba County, New Mexico

Closure activities are scheduled to begin next week. Thank you for your time in regards to this matter.

Thank You!
Logan Hixon
Environmental Technician
XTO Energy Inc. An ExxonMobil Subsidiary
Western Division
382 CR 3100
Aztec NM 87410
Office (505)333- 3683
Cell (505) 386-8018
Logan_Hixon@xtoenergy.com

TEMPORARY PIT INSPECTION FORM

Well Name: Breech D 685-G | **API No.:** 30-039-31014

Legals: **Sec:** 11 J | **Township:** 26 N | **Range:** 6 W

Lat: 36° 29' 57.45" N Long: 107° 26' 01.65" W

Inspector's Name	Inspection Date	Any visible liner breeches (Y/N)	Any fluid seeps/ spills (Y/N)	HC's on top of temp. pit (Y/N)	Temp. pit free of misc solid waste/ debris (Y/N)	Discharge line integrity (Y/N)	Fence integrity (Y/N)	Any dead wildlife/stock (Y/N)	Freeboard Est. (ft)
1) Luke McCollum	11/22/2011	N	N	N	Y	NA	Y	N	10
Luke McCollum	11/29/2011	N	N	N	Y	NA	Y	N	10
	12/6/2011	Surface csg. Set - T/O to drlg. Dept. for inspections							
Brent Beaty	12/22/2011	N	N	N	Y	NA	Y	N	8
Luke McCollum	12/28/2011	N	N	N	Y	NA	Y	N	8
Luke McCollum	1/5/2012	N	N	N	Y	NA	Y	N	8
Luke McCollum	1/12/2012	N	N	N	Y	NA	Y	N	8
Luke McCollum	1/18/2012	N	N	N	Y	NA	Y	N	8
Luke McCollum	1/27/2012	N	N	N	Y	NA	Y	N	9
Luke McCollum	2/1/2012	N	N	N	Y	NA	Y	N	8
Luke McCollum	2/7/2012	N	N	N	Y	NA	Y	N	10
Luke McCollum	2/14/2012	N	N	N	Y	NA	Y	N	10
Luke McCollum	2/22/2012	N	N	N	Y	NA	Y	N	10
Luke McCollum	2/28/2012	N	N	N	Y	NA	Y	N	10
Luke McCollum	3/6/2012	N	N	N	Y	NA	Y	N	10

Notes: Provide Detailed Descripti 1) Fresh water form well pond

Misc:

TEMPORARY PIT INSPECTION FORM

Well Name: Breech D 685-G | **API No.:** 30-039-31014

Legals: **Sec:** 11 J | **Township:** 26 N | **Range:** 6 W

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Luke McCollum	3/15/2012	N	N	N	Y	NA	Y	N	11
Luke McCollum	3/20/2012	N	N	N	Y	NA	Y	N	11
Luke McCollum	3/26/2012	Pit closure in progress							
Luke McCollum	3/27/2012	Pit Closed							

Notes: Provide Detailed Description:

Misc:

Submit 1 Copy To Appropriate District Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , 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-103
October 13, 2009

WELL API NO. **30-039-31003**

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No. **NMNM-03553**

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name **Breech D**

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number **685G**

2. Name of Operator **XTO Energy, Inc.**

9. OGRID Number **5380**

3. Address of Operator **382 County Road 3100, Aztec, New Mexico 87410**

10. Pool name or Wildcat

4. Well Location
Unit Letter **J** : **1760** feet from the **South** line and **1865** feet from the **East** line
Section **11** Township **26N** Range **6W** NMPM **Rio Arriba** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **6577 feet**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: **Reseed Drill Pit Area** ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The reclaimed area was reseeded using the BLM +10 Seed Mix on April 6, 2012.

Spud Date: **12/5/2011** Rig Release Date: **12/24/2011**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Logan Hixon TITLE **EH&S Technician** DATE 5/25/2012

Type or print name **Logan Hixon** E-mail address: **Logan_Hixon@xtoenergy.com** PHONE: **505-333-3683**

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any):

XTO Energy, Inc.
Breech D #685G
Section 11, Township 26N, Range 11W
Closure Date: 3/30/2012

Photo 1: Breech D #685G after Reclamation

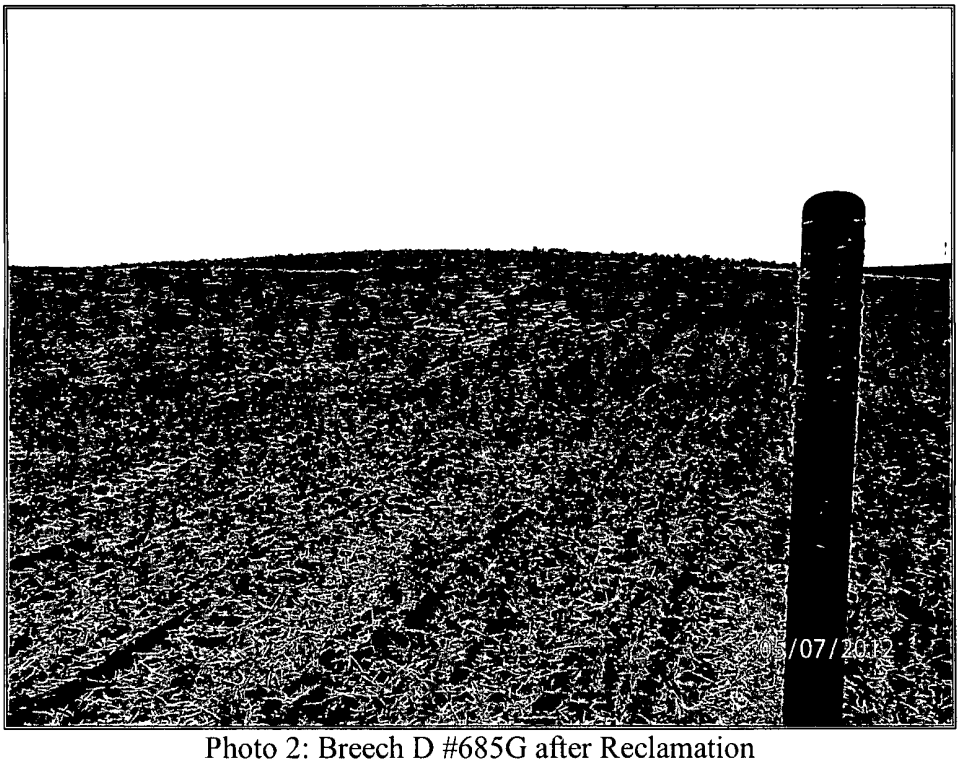

Photo 2: Breech D #685G after Reclamation

XTO Energy, Inc.
Breech D #685G
Section 11, Township 26N, Range 11W
Closure Date: 3/30/2012

Photo 3: Breech D #685G after Reclamation

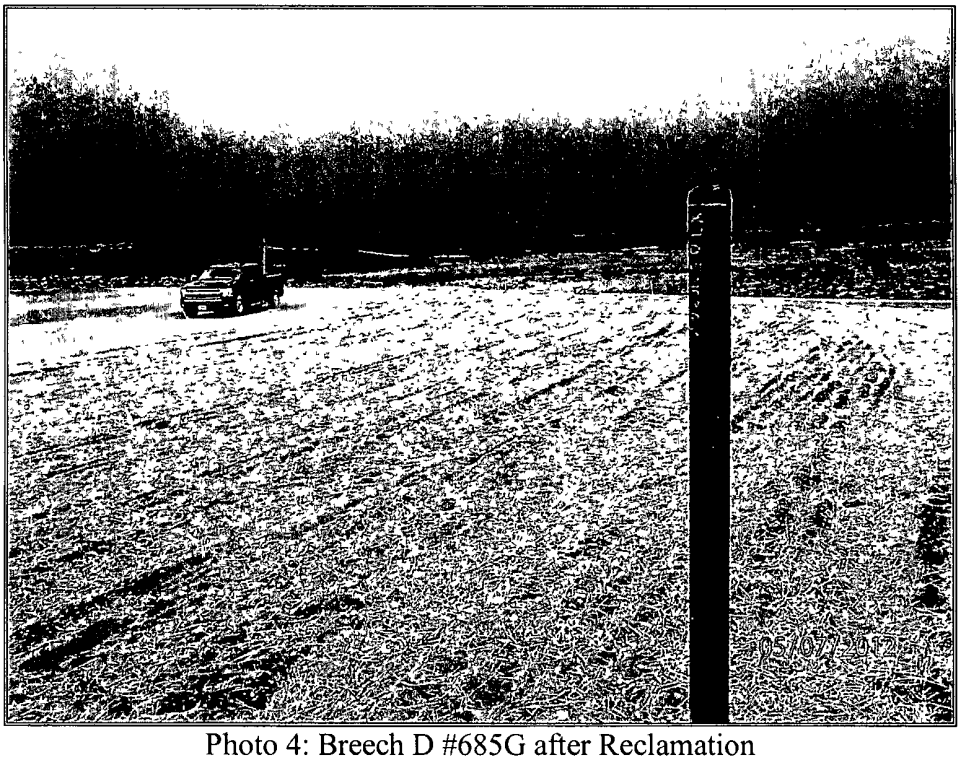

Photo 4: Breech D #685G after Reclamation