

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

3080

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 County Road 3100, Aztec, NM 87410		
Facility or well name	Breach C #244G		
API Number	30-039-30652	OCD Permit Number	
U/L or Qtr/Qtr	D	Section	14
		Township	26N
		Range	06W
		County	Rio Arriba
Center of Proposed Design	Latitude	36 492690	Longitude
			107 442910
		NAD	<input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983
Surface Owner	<input checked="" type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment		

<input checked="" type="checkbox"/> Pit: Subsection F or G of 19 15 17 11 NMAC	RCVD MAY 14 '12
Temporary <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover	OIL CONS. DIV.
<input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> P&A	DIST. 3
<input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type Thickness 20 mil	
<input checked="" type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other	
<input checked="" type="checkbox"/> String-Reinforced	
Liner Seams <input checked="" type="checkbox"/> Welded <input checked="" type="checkbox"/> Factory <input type="checkbox"/> Other	Volume bbl Dimensions L 200 x W 80 x D 8-12

<input checked="" type="checkbox"/> Closed-loop System: Subsection H of 19 15 17 11 NMAC
Type of Operation <input type="checkbox"/> P&A <input checked="" type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) To be used during completion operations
<input type="checkbox"/> Drying Pad <input checked="" type="checkbox"/> Above Ground Steel Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other
<input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type Thickness mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other
Liner Seams <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other

<input checked="" type="checkbox"/> Below-grade tank: Subsection I of 19 15 17 11 NMAC
Volume 120 bbl Type of fluid Produced Water
Tank Construction material Steel
<input type="checkbox"/> Secondary containment with leak detection <input checked="" type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
<input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other
Liner type Thickness 60 mil <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other

<input type="checkbox"/> Alternative Method:
Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

6	<p>Fencing: Subsection D of 19 15 17 11 NMAC (<i>Applies to permanent pits, temporary pits, and below-grade tanks</i>)</p> <p><input type="checkbox"/> Chain link, six feet in-height, two strands of barbed wire at top (<i>Required if located within 1000 feet of a permanent residence, school, hospital, institution or church</i>)</p> <p><input checked="" type="checkbox"/> Four foot height, four strands of barbed wire evenly spaced between one and four feet</p> <p><input type="checkbox"/> Alternate Please specify _____</p>																																								
7	<p>Netting: Subsection E of 19 15.17 11 NMAC (<i>Applies to permanent pits and permanent open top tanks</i>)</p> <p><input type="checkbox"/> Screen <input type="checkbox"/> Netting <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Monthly inspections (If netting or screening is not physically feasible)</p>																																								
8	<p>Signs: Subsection C of 19 15 17 11 NMAC</p> <p><input type="checkbox"/> 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers</p> <p><input checked="" type="checkbox"/> Signed in compliance with 19 15 3 103 NMAC</p>																																								
9	<p>Administrative Approvals and Exceptions:</p> <p>Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance</p> <p>Please check a box if one or more of the following is requested, if not leave blank:</p> <p><input checked="" type="checkbox"/> Administrative approval(s) Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval Fencing- Hogwire</p> <p><input type="checkbox"/> Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval</p>																																								
10	<p>Siting Criteria (regarding permitting): 19 15 17 10 NMAC</p> <p>Instructions: 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.</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 80%;">Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank</td> <td style="width: 20%; text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells</td> <td></td> </tr> <tr> <td>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)</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- Topographic map, Visual inspection (certification) of the proposed site</td> <td></td> </tr> <tr> <td>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>)</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA </td> </tr> <tr> <td>- Visual inspection (certification) of the proposed site, Aerial photo, Satellite image</td> <td></td> </tr> <tr> <td>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (<i>Applies to permanent pits</i>)</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA </td> </tr> <tr> <td>- Visual inspection (certification) of the proposed site, Aerial photo, Satellite image</td> <td></td> </tr> <tr> <td>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</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- NM Office of the State Engineer - iWATERS database search, Visual inspection (certification) of the proposed site</td> <td></td> </tr> <tr> <td>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</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- Written confirmation or verification from the municipality, Written approval obtained from the municipality</td> <td></td> </tr> <tr> <td>Within 500 feet of a wetland</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site</td> <td></td> </tr> <tr> <td>Within the area overlying a subsurface mine</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</td> <td></td> </tr> <tr> <td>Within an unstable area</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map</td> <td></td> </tr> <tr> <td>Within a 100-year floodplain</td> <td style="text-align: right;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td>- FEMA map</td> <td></td> </tr> </table>	Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells		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)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- Topographic map, Visual inspection (certification) of the proposed site		Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	- Visual inspection (certification) of the proposed site, Aerial photo, Satellite image		Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (<i>Applies to permanent pits</i>)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	- Visual inspection (certification) of the proposed site, Aerial photo, Satellite image		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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- NM Office of the State Engineer - iWATERS database search, Visual inspection (certification) of the proposed site		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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- Written confirmation or verification from the municipality, Written approval obtained from the municipality		Within 500 feet of a wetland	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site		Within the area overlying a subsurface mine	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division		Within an unstable area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map		Within a 100-year floodplain	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	- FEMA map	
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Within a 100-year floodplain	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																								
- FEMA map																																									

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 _____

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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)

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Permanent Pits Permit Application Checklist: Subsection B of 19 15 17 9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19 15 17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC

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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)

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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

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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17 13 D NMAC)

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

Disposal Facility Name. EnvirotechDisposal Facility Permit Number NM01-0011Disposal Facility Name IEIDisposal 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

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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

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On-Site Closure Plan Checklist: (19 15 17 13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC

☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 11 NMAC

☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 11 NMAC

☒ Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC

☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC

☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC

☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC

☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC

☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

19
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief

Name (Print) Kim Champlin Title Sr Environmental Representative

Signature: Kim Champlin Date January 12, 2009

e-mail address kim_champlin@xtoenergy.com Telephone (505) 333-3100

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

OCD Representative Signature: Brandon Powell Approval Date: 5/16/2012
Compliance Officer

Title: Enviro Spec OCD Permit Number: _____

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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: 3/12/12

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Closure Method:
☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain

23
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name _____ Disposal Facility Permit Number _____

Disposal Facility Name _____ Disposal Facility Permit Number _____

Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations
☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

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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 36.49269 Longitude -107.44318 NAD ☐ 1927 ☒ 1983

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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: EHS Technician

Signature: Logan Hix Date 5/10/12

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 C #244G (30-039-30652)	Facility Type: Gas Well (Dakota, Mesaverde, Mancos)	
Surface Owner: Federal	Mineral Owner:	Lease No NMNM-03554

LOCATION OF RELEASE

Unit Letter D	Section 14	Township 26N	Range 6 W	Feet from the 660	North/South Line FNL	Feet from the 945	East/West Line FWL	County Rio Arriba
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Latitude: 36 492690 Longitude: -107 442910

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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	
If a Watercourse was Impacted, Describe Fully *		
Describe Cause of Problem and Remedial Action Taken * The drill pit at the Breech C #244F was closed on March 12, 2012. A composite sample was collected from the pit pre-stabilization on December 15, 2011, and returned results below the 0.2 ppm benzene standard, the 500 ppm DRO/GRO standard, the 50 ppm total BTEX standard, the 500 ppm total chloride standard and the 2,500 ppm TPH standard. The contents of the drill pit were stabilized and buried in place. 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.		
OIL CONSERVATION DIVISION		
Signature <i>Logan Hixon</i>	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 <input type="checkbox"/>
Date 5/10/12	Phone 505-333-3683	

* Attach Additional Sheets If Necessary

XTO Energy Inc. San Juan Basin Closure Report

Lease Name: Breech C #244G

API No.: 30-039-30652

Description: Unit D, Section 14, 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 October 28, 2011 through February 29, 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 February 10, 2009.
 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, January 12, 2009 (attached), and by email on February 28, 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 October 20, 2011. Pit closed March 12, 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 February 28, 2012 (attached), Closure activities began on March 5, 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 19.15.17.13(B)(1)(b). (Sample results attached).

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.038
BTEX	EPA SW-846 8021B or 8260B	50	0.1535
TPH	EPA SW-846 418.1	2500	231
GRO/DRO	EPA SW-846 8015M	500	96
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 attached with this report. The site has been re-seeded using the BLM +10 seed mixture on April 5, 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 C #244G, Unit D, Sec. 14, 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. 30-039-30652								
		2. Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN								
		3. State Oil & Gas Lease No NMNM-03554								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing <input type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input checked="" type="checkbox"/> 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 Breesh C								
		6. Well Number 244G								
7. Type of Completion <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> 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 October 20, 2011		16. Date Completed (Ready to Produce)			17. Elevations (DF and RKB, RT, GR, etc)			
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						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		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 (<i>Flowing, gas lift, pumping - Size and type pump</i>)					Well Status (<i>Prod or Shut-in</i>)			
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 - (<i>Corr</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc</i>)								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 36.49269 Longitude -107.44318 NAD 1927 1983										
<i>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</i> Signature <u><i>Logan Hixon</i></u> Printed Name: Logan Hixon Title: EH&S Technician										
E-mail Address <u>Logan.Hixon@xtoenergy.com</u>						Date: <u>5/10/12</u>				

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 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 BREECH C		⁶ Well Number 244G
⁷ OGRID No	⁸ Operator Name XTO ENERGY INC.		⁹ Elevation 6612'

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
D	14	26-N	6-W		660	NORTH	945	WEST	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

FD 3 1/4" BC. 1957 B.L.M.	S 89°45'24" E 2651.72' (M)	FD 3 1/4" BC. 1957 B.L.M.
945'		
S 00°20'29" W 2678.52' (M)	SURFACE: LAT: 36.49269° N. (NAD 83) LONG: 107.44291° W. (NAD 83) LAT: 36°29'33.64" N. (NAD 27) LONG: 107°26'32.31" W. (NAD 27)	
FD 3 1/4" BC. 1957 B.L.M.	14	

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

JULY 19, 2008

Date of Survey

Signature and Seal of Professional Surveyor

8894

Certificate Number


NAD 83
LAT. = 36.49269° N
LONG. = 107.44291° W

NAD 27
LAT. = 36°29'33.64" N
LONG. = 107°26'32.31" W



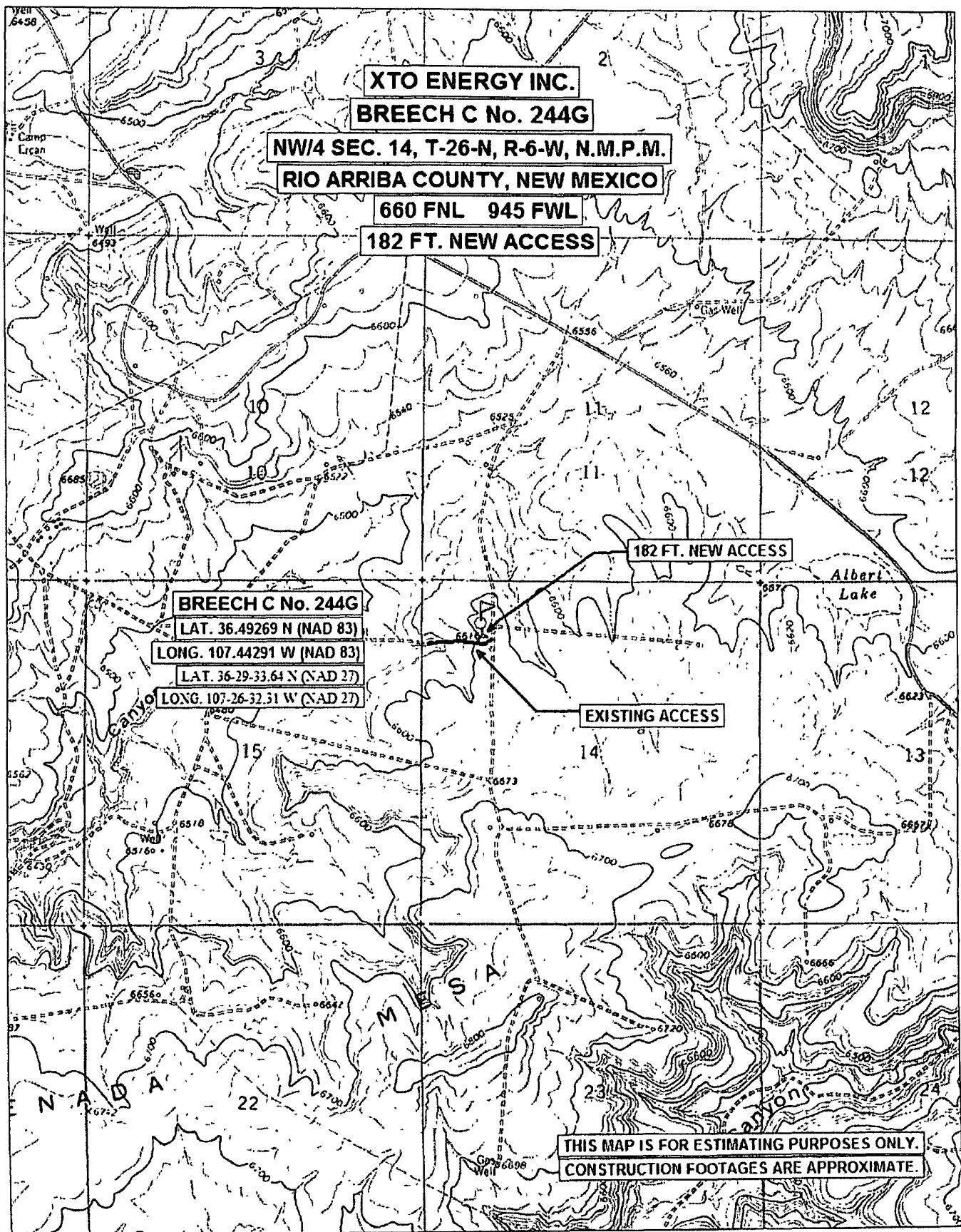
ELEV.	C-C'	C/L
6620		
6610		
6600		
6590		

REVISION	DATE	REVISED BY
CORRECTED NAD 27	04/01/08	B.K.



Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 510 Farmington, NM 87489
 Phone (505) 326-1772 • Fax (505) 326-6019
 NEW MEXICO L.S. No. 8394

DESIGN BY: G.V.	CADFILE: CR980_C78
ROW#: CR980	DATE: 09/18/08



10°

0 1000 FEET 0 500 1000 METERS
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Tax I D 62-0814289

Est 1970

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

Report Summary

Friday December 30, 2011

Report Number: L552769

Samples Received: 12/21/11

Client Project:

Description: Breech C244 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 Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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

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

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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

Tax I D 62-0814289

Est 1970

REPORT OF ANALYSIS

December 30, 2011

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

Date Received December 21, 2011
Description Breech C244 G

Sample ID DRILL PIT

Collected By Joshua Kirchner
Collection Date 12/15/11 14 30

ESC Sample # L552769-01

Site ID

Project # :

Parameter	Dry Result	Det Limit	Units	Method	Date	Dil.
Chloride	230	14	mg/kg	9056	12/22/11	1
Total Solids	71		%	2540G	12/28/11	1
Benzene	0.038	0.0035	mg/kg	8021/8015	12/22/11	5
Toluene	0.049	0.035	mg/kg	8021/8015	12/22/11	5
Ethylbenzene	BDL	0.0035	mg/kg	8021/8015	12/22/11	5
Total Xylene	0.063	0.010	mg/kg	8021/8015	12/22/11	5
TPH (GC/FID) Low Fraction	4.0	0.70	mg/kg	GRO	12/22/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	97.6		% Rec.	8021/8015	12/22/11	5
a,a,a-Trifluorotoluene (PID)	103.		% Rec.	8021/8015	12/22/11	5
TPH (GC/FID) High Fraction	92	5.6	mg/kg	3546/DRO	12/29/11	1
Surrogate recovery(%)						
o-Terphenyl	57.2		% Rec.	3546/DRO	12/29/11	1

Results listed are dry weight basis

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported. 12/30/11 10 05 Printed. 12/30/11 10 05

Summary of Remarks For Samples Printed
12/30/11 at 10:05:37

TSR Signing Reports 288
R5 ~ Desired TAT

Sample: L552769-01 Account: XTORNM Received: 12/21/11 09 00 Due Date: 12/30/11 00.00 RPT Date: 12/30/11 10 05
added DRO per TSR - JCR 12/28



YOUR LAB OF CHOICE

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

Aztec, NM 87410

Quality Assurance Report
Level II

L552769

12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858
1-800-767-5859
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Est 1970

December 30, 2011

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< 0005	mg/kg			WG571262	12/22/11 06 01
Ethylbenzene	< 0005	mg/kg			WG571262	12/22/11 06 01
Toluene	< 005	mg/kg			WG571262	12/22/11 06 01
TPH (GC/FID) Low Fraction	< 1	mg/kg			WG571262	12/22/11 06 01
Total Xylene	< 0015	mg/kg			WG571262	12/22/11 06 01
a,a,a-Trifluorotoluene(FID)		% Rec	98 06	59-128	WG571262	12/22/11 06 01
a,a,a-Trifluorotoluene(PID)		% Rec	103 7	54-144	WG571262	12/22/11 06 01
Chloride	< 10	mg/kg			WG571346	12/22/11 16 29
Total Solids	< 1	%			WG571815	12/28/11 11 15
TPH (GC/FID) High Fraction	< 4	ppm			WG571961	12/29/11 17 50
o-Terphenyl		% Rec	67 30	50-150	WG571961	12/29/11 17 50

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	200	200	0	20	L552767-01	WG571346
Total Solids	%	76 0	77 6	2 19	5	L552832-03	WG571815

Analyte	Units	Laboratory Known Val	Control Sample Result	% Rec	Limit	Batch
Benzene	mg/kg	05	0 0516	103	76-113	WG571262
Ethylbenzene	mg/kg	05	0 0560	112	78-115	WG571262
Toluene	mg/kg	05	0 0563	113	76-114	WG571262
Total Xylene	mg/kg	15	0 162	108	81-118	WG571262
a,a,a-Trifluorotoluene(PID)				103 9	54-144	WG571262
TPH (GC/FID) Low Fraction	mg/kg	5 5	6 81	124	67-135	WG571262
a,a,a-Trifluorotoluene(FID)				104 8	59-128	WG571262
Chloride	mg/kg	200	201	101	85-115	WG571346
Total Solids	%	50	50 0	100	85-155	WG571815
TPH (GC/FID) High Fraction	ppm	60	43 9	73 1	50-150	WG571961
o-Terphenyl				73 96	50-150	WG571961

Analyte	Units	Laboratory Result	Control Ref	Sample %Rec	Duplicate	Limit	RPD	Limit	Batch
TPH (GC/FID) Low Fraction	mg/kg	6 92	6 81	126		67-135	1 59	20	WG571262
a,a,a-Trifluorotoluene(FID)				104 5		59-128			WG571262
Benzene	mg/kg	0 0509	0 0516	102		76-113	1 43	20	WG571262
Ethylbenzene	mg/kg	0 0553	0 0560	111		78-115	1 20	20	WG571262
Toluene	mg/kg	0 0559	0 0563	112		76-114	0 670	20	WG571262
Total Xylene	mg/kg	0 160	0 162	106		81-118	1 52	20	WG571262
a,a,a-Trifluorotoluene(PID)				104 0		54-144			WG571262

* 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

L552769

12065 Lebanon Rd
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1-800-767-5859
Fax (615) 758-5859

Tax I D 62-0814289

Est 1970

December 30, 2011

Analyte	Units	Laboratory Control Result	Sample Ref	Duplicate %Rec	Limit	RPD	Limit	Batch
Chloride	mg/kg	202	201	101	85-115	0.496	20	WG571346
TPH (GC/FID) High Fraction	ppm	48.7	43.9	81.0	50-150	10.4	25	WG571961
o-Terphenyl				79.34	50-150			WG571961

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.197	0.0120	05	74.0	32-137	L552767-01	WG571262
Ethylbenzene	mg/kg	0.163	0	05	65.1	10-150	L552767-01	WG571262
Toluene	mg/kg	0.222	0.0380	05	73.5	20-142	L552767-01	WG571262
Total Xylene	mg/kg	0.481	0.0350	15	59.5	16-141	L552767-01	WG571262
a,a,a-Trifluorotoluene (PID)					102.1	54-144		WG571262
TPH (GC/FID) Low Fraction	mg/kg	16.9	0.550	5.5	59.5	55-109	L552767-01	WG571262
a,a,a-Trifluorotoluene (FID)					100.0	59-128		WG571262
Chloride	mg/kg	508	0	500	102	80-120	L552523-01	WG571346
TPH (GC/FID) High Fraction	ppm	88.2	32.0	60	93.7	50-150	L553456-03	WG571961
o-Terphenyl					71.82	50-150		WG571961

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.171	0.197	63.4	32-137	14.4	39	L552767-01	WG571262
Ethylbenzene	mg/kg	0.123	0.163	49.0	10-150	28.1	44	L552767-01	WG571262
Toluene	mg/kg	0.175	0.222	55.0	20-142	23.3	42	L552767-01	WG571262
Total Xylene	mg/kg	0.340	0.481	40.7	16-141	34.3	46	L552767-01	WG571262
a,a,a-Trifluorotoluene (PID)				102.7	54-144				WG571262
TPH (GC/FID) Low Fraction	mg/kg	16.0	16.9	56.2	55-109	5.62	20	L552767-01	WG571262
a,a,a-Trifluorotoluene (FID)				98.84	59-128				WG571262
a,a,a-Trifluorotoluene (PID)				104.4	54-144				WG571262
Chloride	mg/kg	508	508	102	80-120	0	20	L552523-01	WG571346
TPH (GC/FID) High Fraction	ppm	65.8	88.2	56.3	50-150	29.1*	25	L553456-03	WG571961
o-Terphenyl				69.40	50-150				WG571961

Batch number / Run number / Sample number cross reference

WG571262 R1977473 L552769-01
WG571346 R1978112 L552769-01
WG571815 R1981897 L552769-01
WG571961 R1984153 L552769-01

* * 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 '



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

Aztec, NM 87410

Quality Assurance Report
Level II

L552769

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

Tax I D 62-0814289

Est 1970

December 30, 2011

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 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 <div style="display: flex; justify-content: space-between;"> <div>TPH 8015</div> <div>BTEX 8021</div> <div>Chloride</div> <div>TCLP Metals</div> </div>				C113 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 C 244 G						City/State Collected									
PHONE 505-333-3701		Client Project No		Lab Project #											
FAX															
Collected by Joshua Kirchner		Site/Facility ID#		PO #											
Collected by (signature) 		Rush? (Lab MUST be Notified) Next Day 100% Two Day 50% Three Day 25%		Date Results Needed		No of Cntrs									
				Email? No X Yes											
Packed on Ice N Y <input checked="" type="checkbox"/>				FAX? No Yes											
Sample ID	Comp/Grab	Matrix	Depth	Date	Time					Remarks/contaminant	Sample # (lab only)				
DRILL PIT	COMP	SOIL		12/15/11	1400	1	X	X	X		1552769-01				

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

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)
	12-20	1500				N	06
Relinquisher by (Signature)	Date	Time	Received by (Signature)	Temp	Bottles Received		
				3.5	1402		
Relinquisher by (Signature)	Date	Time	Received for lab by (Signature)	Date	Time	pH Checked	NCF
				12/21/11	0900		



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

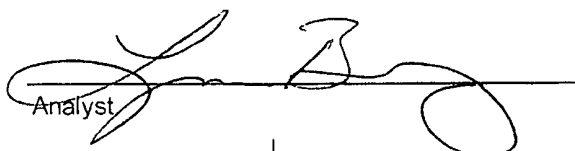
Client	XTO	Project #:	98031-0528
Sample ID.	Drill pit	Date Reported:	12-22-11
Laboratory Number:	60655	Date Sampled:	12-15-11
Chain of Custody No:	13078	Date Received:	12-16-11
Sample Matrix.	Soil	Date Extracted:	12-19-11
Preservative	Cool	Date Analyzed:	12-19-11
Condition.	Intact	Analysis Needed:	TPH-418.1

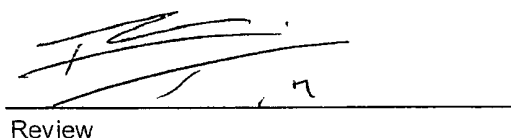
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	231	19.3

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 C 244 G**


Analyst


Review



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client.	QA/QC	Project #	N/A
Sample ID.	QA/QC	Date Reported.	12-22-11
Laboratory Number:	12-19-TPH QA/QC 60481	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed.	12-19-11
Preservative	N/A	Date Extracted:	12-19-11
Condition	N/A	Analysis Needed.	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
	11-16-11	12-19-11	1,610	1,670	3.7%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	19.3

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
TPH	212	180	15.2%	+/- 30%

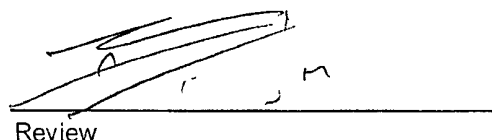
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	212	2,000	1,820	82.3%	80 - 120%

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.

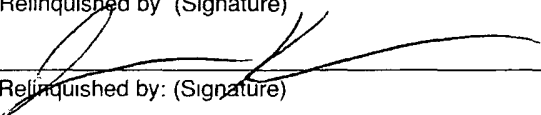
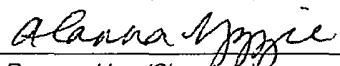

Comments: QA/QC for Samples 60481-60483, 60605, 60655-60656, 60659 and 60661-60662


Analyst


Review

CHAIN OF CUSTODY RECORD

13078

Client: XTO			Project Name / Location: BREECH C 244 C1			ANALYSIS / PARAMETERS													
Email results to: JAMES Mc DANIEL			Sampler Name: J KIRCHNER			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
Client Phone No: 787 0519			Client No: 98031-0528																
Sample No / Identification	Sample Date	Sample Time	Lab No	No / Volume of Containers	Preservative														
					HgCl ₂	HCl													
DRILL PIT	12-15-11	1430	600655	1 4oz														<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Relinquished by (Signature): 				Date: 12-16-11	Time: 0940	Received by (Signature): 				Date: 12-16-11	Time: 0940								
Relinquished by: (Signature)						Received by: (Signature)													
Sample Matrix																			
Soil <input type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area																			

5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com



Kim Champlin/FAR/CTOC

01/12/2009 10:31 AM

To mark_kelly@blm.gov

cc

bcc

Subject Notice- Breech C #244G Well Site

RE: Breech C #244G Gas Well
Sec. 14D- T26N- R06W, 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 on site burial.

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

Kim Champlin
Sr. Environmental Representative
XTO Energy
San Juan Division
(505) 333-3207 Office
(505)330-8357 Cell
(505) 333-3280 Fax



Logan Hixon /FAR/CTOC

02/28/2012 11:37 AM

To brandon.powell@state.nm.us

cc

bcc Brent Beaty/FAR/CTOC@CTOC, James

McDaniel/FAR/CTOC@CTOC

Subject Drill Pit Closure Notification

Brandon,

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

Breech C #244G (API #30-039-30652) located in Unit D, Section 14, Township 26N, Range 6W, Rio Arriba County, New Mexico

ML King #21H (API # 30-045-35301) located in Unit D, Section 20, Township 25N, Range 10W, San Juan 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
02/28/2012 11:34 AM

To mark_kelly@blm.gov

cc

bcc

Subject Drill Pit Closure Notifications

Mark,

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

Breech C #244G (API #30-039-30652) located in Unit D, Section 14, Township 26N, Range 6W, Rio Arriba County, New Mexico

ML King #21H (API # 30-045-35301) located in Unit D, Section 20, Township 25N, Range 10W, San Juan 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

Page 2

Well Name: Breech C 244-G

API No.: 30-039-30652

Legals: Sec: 14 D

Township: 26 N

Range: 6 W

Lat: 36°29' 33.68" N Long: 107°26' 34.48" W

Inspector's	Inspection	Any visible liner	Any fluid seeps/	HC's on top of	Temp. pit free of misc	Discharge line	Fence	Any dead	Freeboard
Name	Date	breeches (Y/N)	spills (Y/N)	temp. pit (Y/N)	solid waste/ debris (Y/N)	integrity (Y/N)	integrity (Y/N)	wildlife/stock (Y/N)	Est. (ft)
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	11
Luke McCollum	3/6/2012	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

Form C-103
October 13, 2009

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

WELL API NO.
30-039-30652

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.
NMNM-03554

7. Lease Name or Unit Agreement Name
Breech C

8. Well Number **244G**

9. OGRID Number **5380**

10. Pool name or Wildcat

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)

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

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

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

4. Well Location

Unit Letter **D** : **660** feet from the **North** line and **945** feet from the **West** line
Section **14** Township **26N** Range **6W** NMPM **Rio Arriba** County

11. Elevation (Show whether DR, RKB, RT, GR, etc)
6612 feet

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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 Seed Mix + 10 on April 5, 2012

Spud Date:

9/24/2011

Rig Release Date:

10/20/2011

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 5/10/12

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.
Breach C #244G
Section 14, Township 26N, Range 6W
Closure Date: 3/12/12



Photo 1: Breach C #244G after Reclamation



Photo 2: Breach C #244G after Reclamation

XTO Energy, Inc.
Breach C #244G
Section 14, Township 26N, Range 6W
Closure Date: 3/12/12

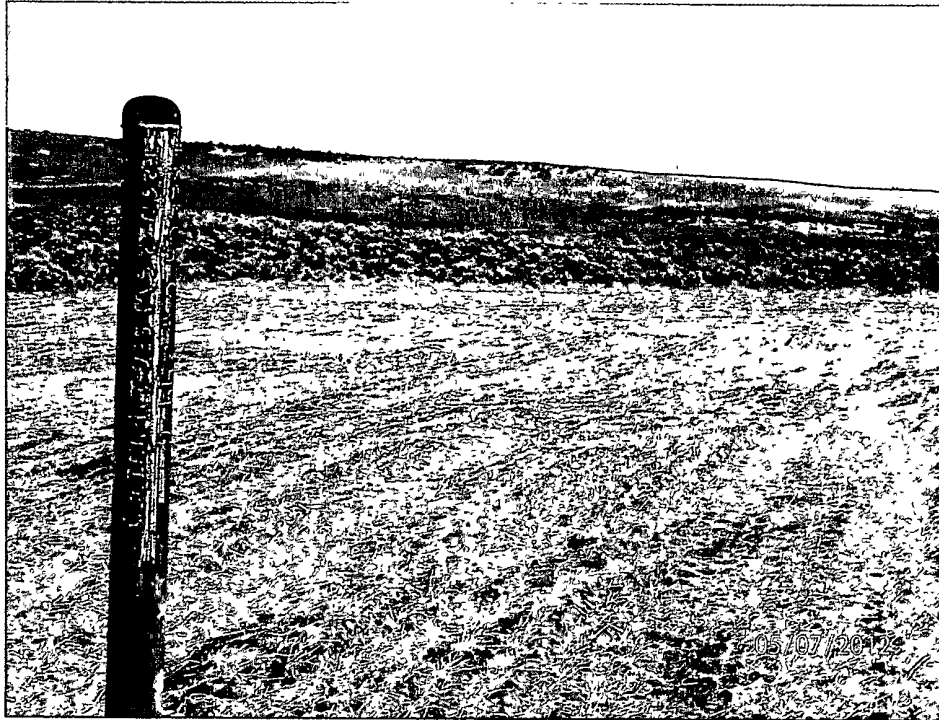


Photo 3: Breach C #244G after Reclamation

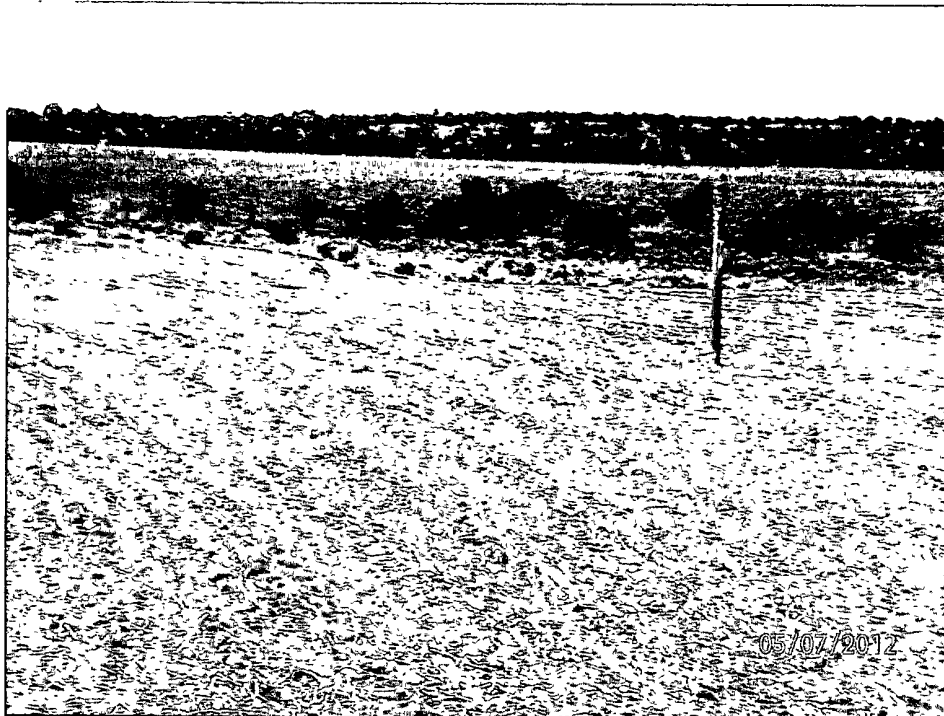


Photo 4: Breach C #244G after Reclamation

TEMPORARY PIT INSPECTION FORM

RCVD MAY 16 '12

OIL CONS. DIV.

Page #1

Well Name: Breech C 244-G

API No.: 30-039-30652

DIST. 3

Legals: Sec: 14 D

Township: 26 N

Range: 6 W

Lat: 36°29' 33.68" N Long: 107°26' 34.48" W

Inspector's	Inspection	Any visible liner	Any fluid seeps/	HC's on top of	Temp. pit free of misc	Discharge line	Fence	Any dead	Freeboard
Name	Date	breeches (Y/N)	spills (Y/N)	temp. pit (Y/N)	solid waste/debris (Y/N)	integrity (Y/N)	integrity (Y/N)	wildlife/stock (Y/N)	Est. (ft)
Luke McCollum	10/27/2011	N	N	N	Y	NA	Y	N	9
Luke McCollum	11/3/2011	N	N	N	Y	NA	Y	N	9
Luke McCollum	11/11/2011	N	N	N	Y	NA	Y	N	9
Brent Beaty	11/18/2011	N	N	N	Y	NA	Y	N	9
Luke McCollum	11/22/2011	N	N	N	Y	NA	Y	N	9
Luke McCollum	11/29/2011	N	N	N	Y	NA	Y	N	9
Brent Beaty	12/8/2011	N	N	N	Y	NA	Y	N	9
Brent Beaty	12/22/2011	N	N	N	Y	NA	Y	N	9
Luke McCollum	12/28/2011	N	N	N	Y	NA	Y	N	9
Luke McCollum	1/5/2012	N	N	N	Y	NA	Y	N	9
Luke McCollum	1/12/2012	N	N	N	Y	NA	Y	N	9
Luke McCollum	1/18/2012	N	N	N	Y	NA	Y	N	9
Brent Beaty	1/26/2012	N	N	N	Y	NA	Y	N	9
Luke McCollum	2/1/2012	N	N	N	Y	NA	Y	N	10
Luke McCollum	2/7/2012	N	N	N	Y	NA	Y	N	10

Notes:

Provide Detailed Description:

Misc: