District I 1005 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

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	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
	provide a copy to the appropriate NMOCD Disprict Office.25 Pil 1 13

9176

# Proposed Alternative Method Permit or Closure Plan Application

Type of action: Existing BGT

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

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 nameHUBBELL GAS COM #2S
API Number. 30-045-32776 OCD Permit Number
U/L or Qtr/Qtr O Section 29 Township 28N Range 10W County. San Juan
Center of Proposed Design: Latitude <u>36 6279444</u> <u>Longitude 107.91408</u> NAD· ☐1927 ☐ 1983
Surface Owner    Federal    State    Private    Tribal Trust or Indian Allotment
Dit: Subsection F or G of 19.15 17 11 NMAC
Temporary: Drilling Workover
Pit: Subsection F or G of 19.15 17 11 NMAC   Temporary   Drilling   Workover   RECEIVED   RECEIVED   Permanent   Emergency   Cavitation   P&A   PVC   Other   Cavitation   PVC   Othe
Surface Owner   Federal   State   Private   Tribal Trust or Indian Allotment    Pit: Subsection F or G of 19.15 17 11 NMAC   Temporary   Drilling   Workover   Permanent   Emergency   Cavitation   P&A   Pit: Subsection F or G of 19.15 17 11 NMAC   Permanent   Emergency   Cavitation   P&A   Power   Permanent   Emergency   Cavitation   P&A   Power   PVC   Other   PVC   P
Oil Guillo, Div. Diol. 5
Liner Seams. Welded Factory Other Volume bbl Dimensions: Las x <sup>2</sup> W- x D. V
3.
Closed-loop System: Subsection H of 19 15 17 11 NMAC
Type of Operation.  P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
Drying Pad Above Ground Steel Tanks Haul-off Bins Other
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
Liner Seams: Welded Factory Other
4.
<u>Below-grade tank</u> : Subsection I of 19 15 17 11 NMAC
Volume 120 bbl Type of fluid Produced Water
Tank Construction material Steel
Secondary containment with leak detection   Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other <u>Visible sidewalls, vaulted, automatic high-level shut off, no liner</u>
Liner type: Thicknessmil
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

Fencing: Subsection D of 19 15 17 11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)							
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)							
Four foot height, four strands of barbed wire evenly spaced between one and four feet							
Alternate Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing							
Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks)							
Screen Nctting Other Expanded metal or solid vaulted top							
☐ Monthly inspections (If netting or screening is not physically feasible)							
8. Simulating C. (10.15.17.11.)))/4.0							
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							
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 of consideration of approval  Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	office for						
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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approproach office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15,17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	oriate district oproval. ng pads or						
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						

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 19.15 179 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								
<ul> <li>Nuisance or Hazardous Odors, including H₂S, Prevention Plan</li> <li>Emergency Response Plan</li> </ul>								
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								
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)								
What a Execution and Democral Clasura Plan Checklists (10.15.17.12.NIMAC) Instructions. Each of the following items must be attached to the								
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.								
<ul> <li>✓ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC</li> <li>✓ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC</li> </ul>								
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)								
<ul> <li>✓ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15 17.13 NMAC</li> <li>✓ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC</li> </ul>								
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17.13 NMAC								

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15.17.13 D NMAC) Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.							
Disposal Facility Name Disposal Facility Permit Number							
Disposal Facility Name Disposal Facility Permit Number:							
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations  Yes (If yes, please provide the information below)  No							
Required for impacted areas which will not be used for future service and operations  Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19 15 17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17.13 NMAC							
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 - 1WATERS 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							
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						
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 13 NMAC  Protocols and Procedures - based upon the appropriate requirements of Subsection F 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 G of 19.15 17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 17.13 NMAC							

Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief
Name (Print) Kim Champlin Title. Environmental Representative
Signature Date 11.21.08
e-mail address. kim_champlin@xtoenergy.com Telephone(505) 333-3100
OCD Approval: Permit Application (including closure plan) Closure Plan (only) (1000) Conditions (see attachment)
OCD Representative Signature: Work 2011 / Approxal Date: U/22/11
Title: Environmental Engineer OCD Permit Number:
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: 10/5/11
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.
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
markin 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) ☐ LARDO ( )
Waste Material Sampling Analytical Results (required for the state of
Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation
M. Re-vegetation Application Rates and Seeding Technology
▼ Site Reclamation (Photo Documentation)
25 25 25 25 25 27 25 27 25 27 25 27 25 27 25 27 25 25 27 25 25 27 27 27 27 27 27 27 27 27 27 27 27 27
Operator Closure Certification:  I hereby certify that the information and attachments submitted with the control of the best of my knowledge and
belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.  Name (Print) James McDaniel, CHMM # 15676 Title. EHES Supervisor
Signature
e-mail address James M. Daniel Oxtoenergy com Telephone. 505-333-3701

<u>District 1</u> 1625 N French Dr , Hobbs, NM 88240 <u>District II</u> 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

Revised October 10, 2003

Form C-141

Final Report

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

Initial Report

#### **Release Notification and Corrective Action**

**OPERATOR** 

Name of Company: XTO Energy, Inc		Contact. James McDaniel						
Address: 382 Road 3100, Aztec, New		Telephone No: (505) 333-3701						
Facility Name: Hubbell Gas COM #25	Fac	cility Type	e: Gas Well (Fr	uitland Coal)				
Surface Owner Federal	ner:			Leas	e No : NMSF-065546B			
LOCATION OF RELEASE								
	Q-	North/So		Feet from the	East/West Lin	1		
O 29 28N	10W   690	FS	SL	1405	FEL	San Juan		
Latitude: 36.627944 Longitude: -107.91408								
•	NATU	JRE O	F RELE	EASE '				
Type of Release None				Release NA		e Recovered NA		
Source of Release NA				our of Occurrence	e NA Date a	nd Hour of Discovery NA		
Was Immediate Notice Given?	[] N. [] N. P		If YES, To	Whom?				
☐ Ye	es 🗌 No 🛭 Not Requ							
By Whom?			Date and H		1 337 /			
Was a Watercourse Reached?	es 🛛 No	,   1	II YES, VO	lume Impacting t	ne watercourse			
If a Watercourse was Impacted, Describe I	Fully *			. <u></u>				
The Watercourse was impacted, Beschool								
Describe Cause of Problem and Remedial								
The below grade tank was taken out of set								
sample was collected beneath the location and BTEX via USEPA Method 8021, and								
benzene, total BTEX and the total chloride					reare spin con			
	T. 1. 4.							
Describe Area Affected and Cleanup Action No release has been confirmed for this loc								
Two release has been committed for this foc	ation							
I hereby certify that the information given								
regulations all operators are required to rep								
public health or the environment. The acc should their operations have failed to adeq								
or the environment In addition, NMOCD								
federal, state, or local laws and/or regulation		P				1		
11	/			OIL CONS	SERVATIO	N DIVISION		
Signature	`/							
Signature -	/	— <sub>4</sub> ,	mrayad by	District Supervise	<b></b>			
Printed Name James McDaniel, CHMM #	¥15676	Ap	proved by		or			
Title EH&S Supervisor	Ap	proval Dat	Э.	Expirati	on Date			
E-mail Address James McDaniel@xtoen	eray.com	Ca	onditions of	Approval				
L-mail Address James WeDamer@xtoch	ergy com		mannons 01	Approvai		Attached		
Date 11/2/2011	Phone 505-333-3701	1						

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

Lease Name: Hubbell Gas COM #2S

API No.: 30-045-32776

Description: Unit O, Section 29, Township 28N, Range 10W, San Juan County

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

#### **General Plan**

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

Closure Date is October 3, 2011

- XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through 2. (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC
  - Closure Date is October 3, 2011
- 3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.

Required C-144 Form is attached to this document.

XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure 4. method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:

> Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B Soil contaminated by exempt petroleum hydrocarbons Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes

Basin Disposal Permit No. NM01-005

Produced water

All liquids and sludge were removed from the tank prior to closure activities.

5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

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

All equipment has been removed due to the plugging and abandoning of the Hubbell Gas COM #2S well site.

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

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

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0 2	< 0.05  mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.25 mg/kg
TPH	EPA SW-846 418.1	100	< 20 mg/kg
Chlorides	EPA 300.1	250 or background	< 1.5 mg/kg

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.

No release has been confirmed at this location

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.

The pit cellar was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover.

10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally.

The notification will include the following:

- i. Operator's name
- ii. Well Name and API Number
- ii. Location by Unit Letter, Section, Township, and Range

Notification was provided to Mr. Brandon Powell with the Aztec office of the OCD via email on September 27, 2011; see attached email printout.

The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.

The surface owner was notified on September 27, 2011; see attached letter and return receipt.

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

The location has been recontoured to match the above specifications.

12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The site has been backfilled to match these specifications.

13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

The location has been reclaimed pursuant to the BLM MOU.

- 14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
  - i. Proof of closure notice to division and surface owner; attached
  - 11. Details on capping and covering, where applicable; per OCD Specifications
  - iii. Inspection reports; attached
  - iv. Confirmation sampling analytical results; attached
  - v. Disposal facility name(s) and permit number(s); see above
  - vi. Soil backfilling and cover installation; per OCD Specifications
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **Per BLM MOU**
  - viii. Photo documentation of the site reclamation. attached



#### **COVER LETTER**

Wednesday, July 06, 2011

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

TEL: (505) 787-0519 FAX (505) 333-3280

RE: Hubbell Gas Com #2S

Dear James McDaniel:

IcDaniel:

Order No.: 1106A43

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 6/24/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab# NM9425 NM0901

AZ license # AZ0682



## Hall Environmental Analysis Laboratory, Inc.

Date: 06-Jul-11

Analytical Report

CLIENT:

XTO Energy

Lab Order: 1106A43

Project:

1100A43

Hubbell Gas Com #2S

Lab ID:

1106A43-01

Client Sample ID: BGT Closure

Collection Date: 6/23/2011 11:01:00 AM

Date Received: 6/24/2011

Matrix: SOIL

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	SE ORGANICS				Analyst: JB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/28/2011 2.51:20 AM
Surr: DNOP	96.5	73.4-123	%REC	1	6/28/2011 2:51·20 AM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/27/2011 11:11:22 PM
Surr: BFB	90.4	75.2-136	%REC	1	6/27/2011 11:11:22 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0 050	mg/Kg	1	6/27/2011 11:11:22 PM
Toluene	ND	0.050	mg/Kg	1	6/27/2011 11:11:22 PM
Ethylbenzene	ND	0.050	mg/Kg	1	6/27/2011 11:11:22 PM
Xylenes, Total	ND	0 10	mg/Kg	1	6/27/2011 11:11:22 PM
Surr 4-Bromofluorobenzene	97.7	92-130	%REC	1	6/27/2011 11:11.22 PM
EPA METHOD 300.0: ANIONS					Analyst. SRM
Chloride	ND	1.5	mg/Kg	1	6/28/2011 8:52:24 AM
EPA METHOD 418.1: TPH					Analyst: <b>JB</b>
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	6/29/2011

#### Qualifiers:

- Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Date: 06-Jul-11

## **QA/QC SUMMARY REPORT**

Client:

XTO Energy

Project: Hubbell Gas Com #2S

Work Order:

1106A43

Analyte	Result	Units	PQL	SPK V	SPK ref	%Rec L	owLimit Hi	ghLimit %RP	D RPDLimit Qual
Method: EPA Method 300.0: A	nions								
Sample ID: 1106A43-01AMSD		MSD				Batch ID.	27363	Analysis Date:	: 6/28/2011 9:27·14 AN
Chloride	14.91	mg/Kg	1.5	15	0.9291	93.2	79 6	112 0.20	2 20
Sample ID: MB-27363		MBLK				Batch ID.	27363	Analysis Date	: 6/28/2011 1:19:42 AM
Chloride	ND	mg/Kg	1.5						
Sample ID: LCS-27363		LCS				Batch ID:	27363	Analysis Date:	6/28/2011 1:37 07 AM
Chloride	14 46	mg/Kg	1.5	15	0	96.4	90	110	
Sample ID: 1106A43-01AMS		MS				Batch ID:	27363	Analysis Date	6/28/2011 9:09 49 AM
Chloride	14.94	mg/Kg	15	15	0.9291	93.4	79 6	112	
Method: EPA Method 418.1: To	——————— РН		1 870 88 800 9		-				The state of the s
Sample ID: MB-27410		MBLK				Batch 1D:	27410	Analysis Date:	6/29/201
Petroleum Hydrocarbons, TR	ND	mg/Kg	20						
Sample ID: LCS-27410	,,,,	LCS	-4			Batch ID.	27410	Analysis Date:	6/29/201
Petroleum Hydrocarbons, TR	101.8	mg/Kg	20	100	0	102	81,4	118	
Sample ID: LCSD-27410	101.0	LCSD	20	100	Ū	Batch ID	27410	Analysis Date:	6/29/201
Petroleum Hydrocarbons, TR	104.6	mg/Kg	20	100	0	105	81.4	118 2.73	
						•			*
Method: EPA Method 8015B. [ Sample ID: MB-27358	Diesel Kangi	•				Batch ID	27358	Analysis Date:	6/27/2011 6 09.10 PA
•		MBLK	4.5			Daton ID	21300	Allalysis Date.	. 0/2//2011 0 09.10 F1
Diesel Range Organics (DRO)	ND	mg/Kg	10			Date ID.	07050	Ameliana Detai	
Sample ID: LCS-27358		LCS				Batch ID	27358	Analysis Date:	6/27/2011 6:44:49 PM
Diesel Range Organics (DRO)	51.35	mg/Kg	10	50	. 0	103	66.7	119	0107/0044 7 00 40 00
Sample ID: LCSD-27358		LCSD				Batch ID:	27358	Analysis Date	6/27/2011 7:20,16 PN
Diesel Range Organics (DRO)	50.03	mg/Kg	10	50	0	100	66.7	119 2.59	9 18.9
Method: EPA Method 8015B: 0	Gasoline Ra	nge							
Sample ID: MB-27355		MBLK				Batch ID <sup>.</sup>	27355	Analysis Date:	6/28/2011 5 <sup>-</sup> 42.28 AN
Basoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-27355		LCS				Batch ID:	27355	Analysis Date:	6/28/2011 5:12:19 AN
Gasoline Range Organics (GRO)	28 30	mg/Kg	5.0	25	2 06	105	88 8	124	
Method: EPA Method 8021B: \	/olatiles								
Sample ID: MB-27355		MBLK				Batch ID:	27355	Analysis Date	6/28/2011 5:42 28 AM
Benzene	ND	mg/Kg	0 050						
oluene	ND	mg/Kg	0 050						
Ethylbenzene	ND	mg/Kg	0.050						
(ylenes, Total	ND	mg/Kg	0.10						
Sample ID: LCS-27355		LCS				Batch ID.	27355	Analysis Date.	6/28/2011 4:42:16 AN
Benzene	1.053	mg/Kg	0 050	1	0 0053	105	83.3	107	
oluene	0.9539	mg/Kg	0.050	1		94.7	74.3	115	
Ethylbenzene	1.006	mg/Kg	0.050		0.0049	100	80.9	122	
(ylenes, Total	3 244	mg/Kg	0 10	3	0	108	85.2	123	

Aug	lifiers	
Vua	HILICIS	ă

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

NC Non-Chlorinated

R RPD outside accepted recovery limits

## Hall Environmental Analysis Laboratory, Inc.

#### Sample Receipt Checklist

Client Name XTO ENERGY		Date Receive	d:	6/24/2011
Work Order Number 1106A43		Received by	: LNM	95
Checklist completed by.  Signature  August 1		Sample ID la     24	abels checked by	Initials
Matrix: Carrier na	me: <u>Greyhound</u>			
Shipping container/cooler in good condition?	Yes 🗹	No 🗆	Not Present	
Custody seals intact on shipping container/cooler?	Yes 🗹	No 🗀	Not Present $\square$	Not Shipped
Custody seals intact on sample bottles?	Yes 🗹	No 🗆	N/A	
Chain of custody present?	Yes 🗹	No 🗆		
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗆		
Chain of custody agrees with sample labels?	Yes 🗹	No 🗌		
Samples in proper container/bottle?	Yes 🗹	No 🗌		
Sample containers intact?	Yes 🗹	No 🗆		
Sufficient sample volume for indicated test?	Yes 🗹	No 🗌		
All samples received within holding time?	Yes 🗹	No 🗆		Number of preserved
Water - VOA vials have zero headspace? No VOA vials	submitted 🔽	Yes 🗌	No 🗆	bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes 🗌	No 🗌	N/A 🗹	
Water - pH acceptable upon receipt?	Yes 🗌	No 🗆	N/A 🗹	<2 >12 unless noted
Container/Temp Blank temperature?	3.8°	<6° C Acceptab	le	below.
COMMENTS:		If given sufficient	t time to cool.	
=======================================	=====	====:	=====	=======
Client contacted Date contacted.		Pers	on contacted	
Contacted by: Regarding				
Comments:		F		
	<del>2.0012.11</del>			
Corrective Action				
			-	

Chain-of-Custody Record					Turn-Around Time:										_	RISA	/T F	. ~		461				
Client: XTD						Standard □ Rush							_		_							NT/		7
						Project Namo:				ANALYSIS LABORATORY														
Mailing Address: 382 PoBO 3100  AZTEC, NM 574110  Phone #: 505 - 787 - 0519					HUBBELL GAS COM 25 Project#: BLAT CLOSUPE Comp.					www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109														
										Tel. 505-345-3975														
										14.7			, r <sub>e</sub>	1400	A.	naly	/sis	Req	uest	i di No	6.5			12.
email or Fax#: james_modeniel@xto					Project Manager:						ly)	(leg					)4)							
QA/QC Package: energy.Com					Danie Manay 15					021	s or	Dies					S, <sup>‡</sup>	B's						İ
☑ Level 4 (Full Validation)					GAMES PEUDINIEC				s (8	(Ga	Sas/l					PO	PCB							
Accreditation  □ NELAP □ Other					Sampler: BRAD GRIPPIDH On Ice: Pages ENO. Sample Temperature.				- TMB's (8021)	трн.	15B (G	18.1)	14.1)	AH)		3,NO <sub>2</sub>	/ 8082		( <del>}</del>	5			(N )	
□ EDD (Type)					Sample Temperature				3.1	35.4	88	d 41	d 5(	P. P.	tals	N,	des		0	30			2	
Date	Time	Matrix	Sai	mple Request ID	Conta Type a		Preservative Type			BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,CI,NO <sub>3</sub> ,NO <sub>2</sub> ,PO <sub>4</sub> ,SO <sub>4</sub> )	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	CHLOPUDE			Air Bubbles (Y or N)
6/28	1101	501-	BIT	CLASURE	12	107			-1	χ			K										$\top$	
1.122	1101	621	21 %	CLOSUPÉ CLOSUPÉ	T .	07					1										X		+	+
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423/11	11042	Chi	HJa	th /c	Parent	alsul	My	1/2	0/24/11 11	m	)													
1	f necessary.	samples sub	mitted to F	Hall Environmental may be sub	ontracted to	o other a	ccredited laborator	es. This serv	es as notice of the	s poss	bility	Any s	ub-con	tracte	d data	will be	e clear	ly nota	ited or	the a	nalytica	l report.		
					/ _		/																	



James McDaniel /FAR/CTOC: 09/27/2011 10:45°AM

To Mark\_Kelly@blm.gov

CC

bcc

Subject - BGT Closures

#### Mark,

Please accept this email as the required notification of BGT closure activities occurring at the locations listed below: These BGTs are being closed due to the plugging and abandoning of these well locations.

J C Davidson C #1 - 3004507126 - Sec 28, Twn 28N, Rge 10W, San Juan County, New Mexico ROPCO 7 #1 - 3004530523 - Sec 7, Twn 29N, Rge 14W, San Juan County, New Mexico Hubbell Gas COM #2S - 3004532776 - Sec 29, Twn 28N, Rge 10W, San Juan County, New Mexico

Thank you for your time in regards to this matter.



James McDaniel, CHMM #15676.
EH&S Supervisor
XTO Energy, Inc.
office #505-333-3701.
cell # 505-787-0519
James Mcdanlet Extoenergy.com



James McDaniel /FAR/CTOC 09/27/2011 10:43 AM

To brandon.powell@state.nm.us

cc -

Subject BGT Closure Notifications

#### Brandon,

Please accept this email as the required notification of BGT closure activities occurring at the locations listed below. These BGTs are being closed due to the plugging and abandoning of these well locations.

J C Davidson C #1 - 3004507126 - Sec 28; Twn 28N, Rge 10W, San Juan County, New Mexico ROPCO 7 #1 - 3004530523 - Sec 7, Twn 29N, Rge 14W, San Juan County, New Mexico Hubbell Gas COM #2S - 3004532776 - Sec 29, Twn 28N, Rge 10W, San Juan County, New Mexico

Thank you for your time in regards to this matter.



James McDaniel, CHMM #15676.
EH&S Supervisor
XTO Energy, Inc.
office #505333-3701.
cell # 505-787-0519
James Mcdanlet@roenergy.com

### XTO Energy, Inc. Hubbell Gas COM #2S Section 29, Township 28N, Range 10W Closure Date: 10/3/2011

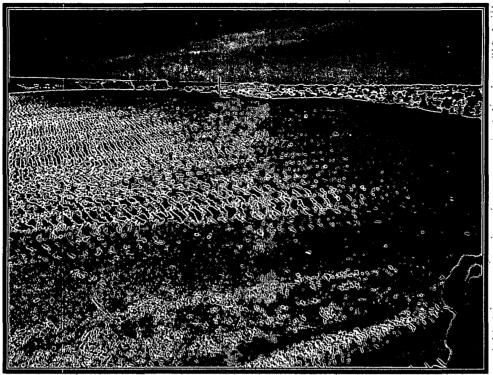


Photo 1: Hubbell Gas COM #2S after Reclamation (View 1)



Photo 2: Hubbell Gas COM #2S after Reclamation (View 2)



## Well Below Tank Inspection Report

RouteName	StopName		Pumper	Foreman	WellName			APIWellNun	Section	Range	Township		
Below Grade Pit Fo	Hubbell GC 2S		Unassigned	Unassigned	HUBBELL GC 02S		3004532776	29	10W	28N			
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType	Notes		
tap harrıs	10/21/2008	09 40	No	No	No	No	No	4		Below Ground			
tap harris	11/26/2008	02 08	No	No	No	No	No	4		Below Ground			
tap harris	12/06/2008	12 13	No	No	No	No	No	4		Below Ground			
tap harris	01/21/2009	08 30	No	No	No	No	No	4		Below Ground			
tap harris	02/07/2009	14 05	No	No	No	No	No	4		Below Ground			
tap harris	03/10/2009	10 28	No	No	No	No	No	4		Below Ground			
tap harris	04/02/2009	14 10	No	No	No	No	No	4		Below Ground			
tap harris	05/14/2009	12 30	No	No	No	No	No	4		Below Ground			
tap harris	06/04/2009	12 25	No	No	No	No	No	4		Below Ground			
tap harris	07/03/2009	11 20	No	No	No	No	No	4		Below Ground			
tap harris	08/06/2009	12 45	No	No	No	No	No	4		Below Ground			
tap harris	09/30/2009	09 15	No	No	No	No	No	4		Below Ground			
tap harris	10/08/2009	09 50	No	No	No	No	No	4		Below Ground			
tap harris	11/13/2009	13 00	No	No	No	No	No	4		Below Ground			
tap harris	12/23/2009	11 45	No	No	No	No	No	4		Below Ground			
tap harris	01/18/2010	11 00	No	No	No	No	No	4		Below Ground			
tap harris	02/08/2010	10 00	No	No	No	No	No	4		Below Ground			
tap harris	03/09/2010	10 45	No	No	No	No	No	4		Below Ground			
tap harris	04/12/2010	10 45	No	No	No	No	No	4		Below Ground			
tap harris	05/17/2010	13 30	No	No	No	No	No	3		Below Ground	6 X 12		
tap harris	06/11/2010	11 30	No	No	No	No	No	3		Below Ground	6 X 12		
tap harris	07/09/2010	11 30	No	No	No	No	No	3		Below Ground	6 X 12		
tap harris	08/01/2010	09 50	No	No	No	No	No	3		Below Ground	6 X 12		
tap harris	09/16/2010	12 00	No	No	No	No	No	6		Below Ground	6 X 12		
tap harris	10/01/2010	12 20	No	No	No	No	No	6		Below Ground	6 X 12		