District I 1625 N. French Dr , Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410 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 Ee, NM 87505

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

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

ype 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

Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,

below-grade tank, or proposed alternative method

2009 JAN 12

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

Place he advised that approval of this request does not relique the operator of lightlifty should operations result in pollution of purface water, ground water or the

I. V.TO.S. I.	OCRID "	5300	
Operator: XTO Energy, Inc.			
Address: #382 County Road 3100, Aztec, NM 87410			
Facility or well name:Canyon # 17			
API Number: 30-045-21508 OC	D Permit Number:		_ •
U/L or Qtr/Qtr A Section 25 Township 25N			
Center of Proposed Design: Latitude 36.37701 Lo			NAD: ∐1927 ⊠ 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allo	otment		,
2.			
Pit: Subsection F or G of 19.15.17.11 NMAC			
Temporary: Drilling Workover	•		
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A	•		
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE [☐ HDPE ☐ PVC ☐ C	Other	
☐ String-Reinforced	•		
Liner Seams: Welded Factory Other	Volume: bl	bl Dimancione: [v W v D
		Dimensions. L_	
Liner Seams: Welded Factory Other 3. Closed-loop System: Subsection H of 19.15.17.11 NMAC		or Dimensions. L	
3.		hich require prior a	pproval of a permit-or notice of
3. ☐ Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drillin intent) ☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other	ng (Applies to activities w	hich require prior a	pproval of a permit-or notice of
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3. ☐ Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drillin intent) ☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other	g (Applies to activities with the second property of the second prop	hich require prior a	pproval of a permit-or notice of
Drying Pad	g (Applies to activities with the second property of the second prop	hich require prior a	pproval of a permit-or notice of RECEIVED
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Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation:	eg (Applies to activities where the property of the property o	hich require prior a	pproval of a permit-or notice of RECEIVED
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drillin intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDi Liner Seams: Welded Factory Other Welded Factory Other Welded Factory Other	er 6-inch lift and automatic of	hich require prior ap Other overflow shut-off	RECEIVED OIL CONS. DIV. DIST. 3
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation:	er (Applies to activities where the proof of	hich require prior ap Other overflow shut-off	RECEIVED OIL CONS. DIV. DIST. 3 Out off, no liner
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation:	er (Applies to activities where the proof of	hich require prior ap Other overflow shut-off omatic high-level sh	RECEIVED OIL CONS. DIV. DIST. 3 Out off, no liner
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation:	er (Applies to activities where the proof of	hich require prior ap Other overflow shut-off omatic high-level sh	RECEIVED OIL CONS. DIV. DIST. 3 aut off, no liner

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 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	hospital,
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) ☐ Screen ☐ Netting ☐ Other Expanded metal or solid vaulted top ☐ Monthly inspections (If netting or screening is not physically feasible)	
8. Signs: Subsection C of 19.15.17.11 NMAC ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers ☑ Signed in compliance with 19.15.3.103 NMAC	·
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 Burcau consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Burcau 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 accommaterial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approfice 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 dry above-grade tanks associated with a closed-loop system.	opriate district approval.
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
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
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:
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are
attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
13.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Union of Control (Quality Assersance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Erosion Control 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 Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
15.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC ☐ 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: (19.15.17.13.1 Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if 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	C					
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 sour provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate distributions of acceptable sour considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Just demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	rict office or may be					
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					
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; Acrial 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					
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan 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 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 can 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	.15.17.11 NMAC					

 Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate 	ate and complete to	the best of my knowledge and belief.
Name (Print): Kim Champlin	Title:	Environmental Representative
Signature: Kim Champlin	Date:	01/02/2009
e-mail address: kim_champlin@xtoenergy.com	Telephone:	(505) 333-3100
20.		
OCD Approval: Permit Application (including closure plan)	an-(only)- D OC	D Conditions (see attachment)
OCD Representative Signature:		Approval Date: Z 15 11
Title: Environmental Engineer Comp	OCD Permit Nur	nber:
21. Closure Report (required within 60 days of closure completion): Subsection Instructions: Operators are required to obtain an approved closure plan prior to The closure report is required to be submitted to the division within 60 days of the section of the form until an approved closure plan has been obtained and the closure plan plan has been obtained and the cl	o implementing an he completion of th osure activities hav	y closure activities and submitting the closure report. e closure activities. Please do not complete this
22. Closure Method:		
Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alterna ☐ If different from approved plan, please explain.	tive Closure Metho	d Waste Removal (Closed-loop systems only)
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems Instructions: Please indentify the facility or facilities for where the liquids, drill 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 Yes (If yes, please demonstrate compliance to the items below) No	in areas that will no	ot be used for future service and operations?
Required for impacted areas which will not be used for future service and operation Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	ons:	•
24.		that the second
Closure Report Attachment Checklist: Instructions: Each of the following ite 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 Longiti	B. (ENT)	INTERPOLITION Please indicate, by a check
25. Operator Closure Certification:	Es	47 16 2016
I hereby certify that the information and attachments submitted with this closure rebelief. I also certify that the closure complies with all applicable closure requirem	report is true, accuratents and conditions	ate and complete to the best of my knowledge and
	76 Title: <u>E</u> H	45 Supervisor
Signature:	Date:	(0/22/11
e-mail address: James_ McDaniel Oxto energy.com	Telephone: _	<i>Sos</i> -333-370/

District I' 1625 N French Dr., Hobbs, NM 88240 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 R10 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					
		00, Aztec, N				Telephone No.: (505) 333-3701				
Facility Nar	ne: Canyo	n #17 (30-04	5-21508)		Facility Type: Gas Well (Bisti Lower Gallup)				
Surface Ow	ner: Nava	jo		Mineral C	Owner:				Lease N	No.:
LOCATI					ATIO	N OF RE	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the		est Line	County
A 25 25N 11W 800 FNL 800 FEL San Juan						San Juan				
				Latitude: 36	<u> 5.37701</u>	Longitud	e: <u>-107.94876</u>			
T CD 1	D 1	1337		NAT	<u>'URE</u>	OF REL			X/ 1 F	
Type of Rele							Release: Unknow			Recovered: None
Source of Re	iease: Beio	w Grade Tank				Unknown	lour of Occurrenc	ce:	Date and	Hour of Discovery: NA
Was Immedia	ate Notice (Given?				If YES, To	Whom?	- -		
			Yes [No 🛛 Not Re	equired					
By Whom?						Date and I-				
Was a Water	course Read	_	V 57	LN		If YES, Vo	olume Impacting t	the Water	course.	
		L								
		pacted, Descr								
		em and Reme			well sit	e due to the n	lugging and aband	doning of	fthis well	site. A composite sample was
collected ben	eath the loc	cation of the o	n-site BG	Γ, and submitted 1	for labor	atory analysi	s for TPH via US	EPA Met	hod 418.1	and 8015, benzene and BTEX
via USEPA N	Method 802	1, and for tota	l chloride:	s. The sample ret	urned re	sults below th	ne 'Pit Rule' spill	confirma	ation stand	lards for benzene, total BTEX
										at this location. The site was
							lls and Releases d 10 ppm benzene,			depth to ground water of greater
		and Cleanup			15 10 3,0	<i>эо</i> ррш ттт,	To ppin benzene,	and 50 p	pin totar L	TLA.
					5, retur	ning results o	f 2,000 ppm total	TPH. Al	ll results v	vere below the regulatory
		r this site. No								
										suant to NMOCD rules and
										eases which may endanger ieve the operator of liability
should their of	perations l	nave failed to	adequately	investigate and r	emediat	e contaminat	ion that pose a thr	eat to gro	ound water	r, surface water, human health
or the environ	nment. In a	nddition, NMC	CD accep	otance of a C-141	report d	loes not reliev	e the operator of	responsib	oility for c	ompliance with any other
federal, state	or local la	ws and/or regi	ılations.				011 0011		4. EV 63.1	Buildion
					OIL CONSERVATION DIVISION					
Signature:	///	!		/						
					Approved by	District Supervis	or:			
Printed Name: James McDaniel, CHMM # 15676										
Title: EH&S	Supervisor					Approval Da	te:	Е	xpiration	Date:
E-mail Addre	ess: James	McDaniel@xt	nenerov c	om		Conditions o	f Approval:			
	A	PRODUCT.	2			Conditions of Approval:			Attached	
Date: 6/22/2011 Phone: 505-333-3701										

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

Lease Name: Canyon #17 API No.: 30-045-21508

Description: Unit A, Section 25, Township 25N, Range 11W, San Juan County

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

General Plan

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

Closure Date is March 18, 2011

- 2. XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
 - Closure Date is March 18, 2011
- 3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
 - Required C-144 Form is attached to this document.
- 4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:

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

Basin Disposal Permit No. NM01-005

Produced water

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

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

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

All equipment has been removed due to the plugging and abandoning of the Canyon #17 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	BDL mg/kg		
BTEX	EPA SW-846 8021B or 8260B	50	BDL mg/kg		
ТРН	EPA SW-846 418.1	100	10,000 mg/kg		
Chlorides	EPA 300.1	250 or background	150 mg/kg		

- 8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
 - A release was confirmed at this location due TPH results of 10,000 ppm (via USEPA Method 418.1). TPH results via USEPA Method 8015 (2,000 ppm) were below the regulatory standards outlined in the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases for this site. No further action is necessary.
- 9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.

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

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

Notification was provided to Mr. Brandon Powell with the Aztec office of the OCD via email on March 15, 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 March 17, 2011; see attached letter and return receipt.

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

The location has been recontoured to match the above specifications.

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

The site has been backfilled to match these specifications.

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

The location has been reclaimed pursuant to the BLM MOU.

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



James McDaniel /FAR/CTOC 03/15/2011 06:30 AM

To brandon.powell@state.nm.us

CC

bcc

Subject BGT Closure Canyon #17

Brandon,

Please accept this email as the required notification for BGT closure activities at the Canyon #17 well site (api # 30-045-31508) located in Unit A, Section 25, Township 25N, range 11W, San Juan County, New Mexico. This BGT is being closed due to the plugging and abandoning of this well location. Thank you for your time in regards to this matter.





March 15, 2011

Arvin Trujillo Navajo Nation PO Box 9000 Window Rock, Arizona 86515

Re: Car

Canyon #17 – API #30-045-21508

Unit A, Section 25, Township 25N, Range 11W, San Juan County, New Mexico

Dear Mr. Trujillo,

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

Should you have questions or require additional information, please feel free to contact me at your convenience at (505) 333-3100. Thank you for your time in regards to this matter.

Respectfully Submitted,

James McDaniel EH&S Specialist XTO Energy, Inc.

San Juan Division

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: 	A. Signature X
NAVAJO NATION P O BOX 9000 WINDOW ROCK AZ 86515	3. Service Type ☐ Certified Mail ☐ Express Mall ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes
(Transfer from service label)	10001 6496 9680 11 11
DO Farm 2011 Fahrung 2004 Demostic Bot	urn Paceint 102595-02-M-1540



ORELAP Lab # NM100001 Texas Lab# T104704424-08-TX





COVER LETTER

Tuesday, February 22, 2011

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

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

RE: Canyon 17

Dear James McDaniel:

Order No.: 1102626

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/21/2011 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.

Reporting limits are determined by EPA methodology.

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

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901

AZ license # AZ0682

ORELAP Lab # NM100001

Texas Lab# T104704424-08-TX



Hall Environmental Analysis Laboratory, Inc.

Date: 22-Feb-11

CLIENT: Lab Order: XTO Energy

1102626

Project:

Canyon 17

Lab ID:

1102626-01

Client Sample ID: BGT Closure Comp

Collection Date: 2/17/2011 4:36:00 PM

Date Received: 2/21/2011

Matrix: SOIL

Analyses	Result	PQL Qı	nal Units	DF	Date Analyzed
EPA METHOD 418.1: TPH					Analyst: JB
Petroleum Hydrocarbons, TR	10000	400	mg/Kg	20	2/22/2011

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: 22-Feb-11

QA/QC SUMMARY REPORT

Client:

XTO Energy

Project: Canyon 17

Work Order:

1102626

Analyte	Result	Units	PQL	SPK Val SP	SPK Val SPK ref %Rec LowL		owLimit HighLimit %RF			RPDLimit	Qual
Method: EPA Method 418.1: Sample ID: MB-25699	ТРН	MBLK				Batch ID:	25699	Analys	sis Date:		2/22/201
Petroleum Hydrocarbons, TR Sample ID: LCS-25699	ND	mg/Kg LCS	20			Batch ID:	25699	Analys	sis Date:		2/22/201
Petroleum Hydrocarbons, TR Sample ID: LCSD-25699	98 08	mg/Kg LCSD	20	100	0	98.1 Batch ID:	81.4 25699	118 Analys	sis Date:		2/22/201
Petroleum Hydrocarbons, TR	99.50	mg/ Kg	20	100	0	99.5	81 4	118	1.44	8.58	

Qualifiers:

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

Page 1

Hall Environmental Analysis Laboratory, Inc.

	Sample R	ece	eipt Cl	hecklist					
Client Name XTO ENERGY				Date Receive	ed:		2/21/2011		
Work Order Number 1102626				Received by	y: DAM	1			
Checklist completed by:		ļ	2/2 Date	Sample ID I	abels checked Ć	~~~~ <u>~</u>	initals		
Matrix [,]	Carrier name: <u>C</u>	Эгеу	houn d						
Shipping container/cooler in good condition?	١	es/	: 火 i	No i	Not Present	: .			
Custody seals intact on shipping container/coole	r? \	/es	/	Noi	Not Present		Not Shipped		
Custody seals intact on sample bottles?	Y	es/	1-1	No []	N/A				
Chain of custody present?	Y	es/		No					
Chain of custody signed when relinquished and r	eceived?	es/	1	No i					
Chain of custody agrees with sample labels?	Y	'es	~ ;	No i					
Samples in proper container/bottle?	١	es/		No!!					
Sample containers intact?	Y	es/	; √ ,	No i					
Sufficient sample volume for indicated test?	Υ	es/	V	No 🗍					
All samples received within holding time?	Υ	es/	V	No 🗀			Number of preserved bottles checked for		
Water - VOA vials have zero headspace?	No VOA viałs submit	led		Yes	No		pH:		
Water - Preservation labels on bottle and cap ma	itch?	es'	1	No ! !	N/A 🔽				
Water - pH acceptable upon receipt?	Y	'es	1 ;	No :	N/A ✓		<2 >12 unless noted below.		
Container/Temp Blank temperature?		2.	3°	<6° C Acceptab					
COMMENTS:				If given sufficien	t time to cool.				
· · · · · · · · · · · · · · · · ·					- · · ·- · · · · · · · · · · · · · · ·	 -			
Client contacted	Date contacted:			Pers	son contacted				
Contacted by	Regarding:								
Comments:					_				

Corrective Action

C	hain	-of-Cu	ustody Record	Turn-Around	Time:			÷.		5_	A	11	F	NV	/TE) (NE	ИE	NT.	ΑI	м
Client:	XTO)		ß Standard □ Rush					Ę,												
				Project Name:				ANALYSIS LABORATORY www.hallenvironmental.com													
Mailing	Address	: 387	POAD 3100	CANYON 17					4901 Hawkins NE - Albuquerque, NM 87109												
-				Project #:				Tel. 505-345-3975 Fax 505-345-4107													
Phone	#: 9 25	-78-7	-0519												Reques						
			-MCOANIEL B XX	Project Mana	ger:		1		sel)												T
	Package:		EM™6∀.Com ☐ Level 4 (Full Validation)	-Ann	es McD	ANIEL	TMB's (8021)	TPH (Gas only)	as/Die					PO4,S(PCB's						
Accred		□ Othe	er	Sampler: PSPAO 6PIFFITH					15B (G	18.1)	04.1)	PAH)) ₃ ,NO ₂ ,	, / 8082		(F	1			(Z Z
□ EDD (Type)				Sample Tem	peratere S 🗸		BE	H	d 80)d 4	d 5	or P	tals	I,NC	ides	a	0				≥
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	CEAL No.	BTEX + MTBI	BTEX + MTBE	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
2/17	1636	Soil	BGT CLOSLEE COMP	1 407	Coon	1102626-1				X											
	,														-						
																			\top	\top	\top
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	7.												, ·							1	+
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Date: 2/18/11	Time: 1310	Relinquish	ned by:	Received by: Date Time Received by: Date Time				mark	s:		<u> </u>				·	łn.		<u>.</u>		<u> </u>	
Date:	Time:	Relinquish	ned by:	Received by:	X	Date / Time 2 2 / 1 9:37															
	if necessary,	samples sub	miletro Hall Environmental may be subc	contracted to other a	ocredited laboratori	es. This serves as notice of th	is poss	ibility.	Any sı	ub-con	tracte	data	will be	clear	ly nota	ated or	n the a	nalytica	I report.		



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

Tax I D 62-0814289

Est. 1970

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

Report Summary

Friday February 25, 2011

Report Number: L502723
Samples Received: 02/19/11
Client Project:

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

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

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

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

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REPORT OF ANALYSIS

February 25,2011

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

Date Received : February 19, 2011

Description

Sample ID : BGT CLOSURE 1FT

Collected By . James McDaniel Collection Date : 02/17/11 16:36

ESC Sample # : L502723-01

Site ID : CANYON 17

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil	
Chloride	150	12	mg/kg	9056	02/24/11	1	
Total Solids	85.		%	2540G	02/25/11	1	
Benzene	BDL	0.0029	mg/kg	8021/8015	02/22/11	5	
Toluene	BDL	0.029	mg/kg	8021/8015	02/22/11	5	
Ethylbenzene	BDL	0 0029	mq/kq	8021/8015	02/22/11	5	
Total Xylene	BDL	0.0088	mg/kg	8021/8015	02/22/11	5	
TPH (GC/FID) Low Fraction	0.66	0.59	mg/kg	GRO	02/22/11	5	
Surrogate Recovery-%			5. 5				
a,a,a-Trifluorotoluene(FID)	93.8		% Rec.	8021/8015	02/22/11	5	
a,a,a-Trifluorotoluene(PID)	96 0		% Rec.	8021/8015	02/22/11	5	
TPH (GC/FID) High Fraction Surrogate recovery(%)	2000	94	mg/kg	3546/DRO	02/24/11	20	
o-Terphenyl	0.00		% Rec.	3546/DRO	02/24/11	20	

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

Note:
This report shall not be reproduced, except in full, without the written approval from ESC The reported analytical results relate only to the sample submitted Reported: 02/25/11 12.41 Printed: 02/25/11 12:41

Attachment A List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L502723-01	WG522933	SAMP	o-Terphenyl	R1587169	J7

Attachment B Explanation of OC Qualifier Codes

Qualifier

Meaning

J7

Surrogate recovery limits cannot be evaluated; surrogates were diluted out

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy The relationship of the observed value of a known sample to the true value of a known sample Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision The agreement between a set of samples or between duplicate samples.

 Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC Tentatively Identified Compound· Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed 02/25/11 at 12·41:23

TSR Signing Reports: 288 R5 - Desired TAT

Sample: L502723-01 Account: XTORNM Received: 02/19/11 09:30 Due Date: 02/25/11 00:00 RPT Date: 02/25/11 12:41



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

Aztec, NM 87410

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Tax I D 62-0814289

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Quality Assurance Report Level II

L502723

February 25, 2011

		Labor	atory Blank				
Analyte	Result	Unit	s % R	lec	Limit	Batch	Date Analyzed
Benzene	< .000!	5 🔭 mg/k		Section 1	ty a larger at this j		93 02/22/11 15 34
Ethylbenzene	< .000			vila di m			93 02/22/11 15:34
Toluene	< .005	mg/k					93 02/22/11 15 34
TPH (GC/FID) Low Fraction	- (.005 - (.1	mg/k					93 02/22/11 15:34
Total Xylene	< 001			and the Maria			93 02/22/11 15.34
a,a,a-Trifluorotoluene(FID)	₹ 001.	% Re		52	59~128		93 02/22/11 15 34
					1 54-144		93 02/22/11 15:34
a,a,a-Trifluorotoluene(PID)	*	, % Re	. 190	.13	245144	-, WG5226	33 02/22/11 13:35
TPH (GC/FID) High Fraction	< 4	ppm				WG5229	33 02/24/11 04 06
o-Terphenyl ""	· . *	% Re	c. 👫 - * 1 - 93	5.57	50-150 ^ `		33 02/24/11 04.06
m 3 m - 3 - 1	_					1195000	14 00/05/11 10 5
Total Solids	< 1	g _b	•			WG5230	14 02/25/11 10 56
		,,					00 00/04/33 30 34
Chloride	< 10	mg/k	<u>g</u>		***************************************	WG5229	80 02/24/11 12:35
		D	uplicate				
Analyte	Units	Result	Duplicate	RPD	Limit	Ref S	amp Batch
Total Solids	ક	85 0	84 9	0.472	5	L5027	23-01 WG523014
iocár pórtas	ъ	85 0	04)	0.472	•	B3027	25 01 11052501
Chloride	mg/kg	46 0	43 0	5 65	20	L5028	37-03 WG522980
		2.2	a				
nnaluto.	Units	Laborator Known Va	y Control Sa	empie Result	% Rec	Limit	Batch
Analyte	Units	KHOWN Va	1 P	esuit	* KeC	TIMIC	Baccii
Benzene	√ mg/kg	1 05	2 · · · o ·	0482	*`^96.5	,76-113	WG522693
Ethylbenzene	mg/kg	05		1487	97 5	78-115	
Toluene	mg/kg	05		1499	99 8	76-114	
Total, Xylene	mg/kg	.15		.49.	,99.0,	81-118	
a,a,a-Trifluorotoluene(FID)	mg/kg	.13	`, 0 2	427	92 60	59-128	*
					96 48	54-144	
a,a,a-Trifluorotoluene(PID)	· /1				94 3- ,	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
TPH (GC/FID) Low Fraction,	mg/kg	5.5	5 1	18, , ,,	105 1	59-128	
a,a,a-Trifluorotoluene(FID)							
a,a,a-Trifluorotoluene(PID)		, .			107.1	54-144	wG522693
		•		18.50			*,
TPH (GC/FID) High Fraction	ppm	60	51.	. 2	85 3	50-150	
o-Terphenyl	× * .	3° '			86 30	50-150	
*						· · · · · · · · · · · · · · · · · · ·	- <u>- 1</u>
Total Solids	용	50	49	9	99 9	85-155	WG523014
Chloride .	mg/kg	200	, 210	,	105.	85-115	WG522980
Anniuto		Laboratory Con			Limit	RPD	Limit Batch
Analyte	Units	Result Re	t &Ke	=C	TIMIT	RPD	DIMIC BALCH
Benzene	mg/kg	0.0451 0.	0482 90	0	76-113	6 80	20 WG522693
Ethylbenzene	mg/kg		0487 91	0	78-115	6 31	20 WG522693
Toluene	mg/kg		0499 93	. 0	76-114	7.19	20 WG522693
Total Xylene	mg/kg		149 93		81-118	6.37	20 WG522693
a,a,a-Trifluorotoluene(FID)	57 5			7.42	59-128	. » · · ·	WG522691
a,a,a-Trifluorotoluene(PID)			103		54-144		WG522693
TPH (GC/FID) Low Fraction	mq/kg	5 21 . 5	18 95			0.580	20 WG522693
* Performance of this Analyte is					•		

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers'



YOUR LAB OF CHOICE XTO Energy - San Juan Division

James McDaniel 382 County Road 3100 Aztec, NM 87410

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Tax I D 62-0814289

Est 1970

Quality Assurance Report Level II

L502723

February 25, 2011

Analyte	Lab Units Re	oratory Contro	ol Sample Dup. %Rec	ľicate Liπ	nit	RPD	Limit	Batch
a,a,a-Trifluorotoluene (FID)		-	106.3		128	_		
a,a,a-Trifluorotoluene(PID)		2	108.0		144	^		
TPH (GC/FID) High Fraction	ppm 56	8 51.2	95.0		150	10 4	25	WG52291
o-Terphenyl	PP	5 51.2	95.59		150		e - 11 - 1	WG5229
-n +w	*				7.7.	-	,	
Chloride	mg/kg 20	0 210	100	85-	115	4.88	20	WG52298
		Matrix	c Spike					
Analyte	Units	MS Res Ref		% Rec	Limit		Ref Samp	Batch
Benzene	mg/kg	0.310 0.00	.05 .05	ioo.	32-137		L502744-01	WG52269
Ethylbenzene	mg/kg,	0.282 0.05		91 3	10-150		L502744-01	WG5226
Toluene	mg/kg	0 558 0 35		83 4	20-142		L502744-01	WG5226
Total Xvlene		1.30 0 70		80.3	16-141		L502744-01	WG5226
a.a.a-Trifluorotoluene(FID)	3. 3 ,		•	79 78	59-128			WG5226
a,a,a-Trifluorotoluene (PID)				88 60	54-144			WG5226
TPH (GC/FID) Low Fraction	mg/kg	29.9 15.0	5.5	54.0*	* 55-109	-	L502744-01	WG5226
a,a,a-Trifluorotoluene(FID)	5. 5			104 0	59-128			WG5226
a,a,a-Trifluorotoluene(PID)				112.2	54-144			WG5226
	•		* * .*	* *			¥	,
Chloride	mg/kg	550 47 (500	101	80-120		L503017-02	WG52298
		Matrix Spi	ce Duplicate					
Analyte	Units MS	D Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg 0	295 0 310	94.2	32-137	5.09	39	L502744-01	WG52269
Ethylbenzene		281 0 282	90.9	10-150	0.330	44	L502744-01	WG52269
Toluene		499 0.558	59.6	20-142	11 2	42	L502744-01	WG5226
Total Xvlene		28 1.30	77.4	16-141	1.71	46, °	L502744-01 (WG5226
a,a,a-Trifluorotoluene(FID)			95 06	59-128			,	WG5226
a,a,a-Trifluorotoluene(PID)			99 71	54-144				WG5226
TPH' (GC/FID) Low Fraction,	mg/kg 35	8 29 9	75.6	55-109	118.Î	20	Ĺ502744~01	WG5226
a,a,a-Trifluorotoluene(FID)	. J		106 3	59-128	, ,	- / -	•	WG5226
a,a,a-Trifluorotoluene (PID)			115.5	54-144				WG5226
	, w				. خارگان ۱		• • •	
Chloride	mg/kg 55	50. 550 [°]	101	80-120	ō	20	L503017-02	WG5229
	3. 3							

Batch number /Run number / Sample number cross reference

 ^{*} 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.'



YOUR LABOF CHOICE

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

Aztec, NM 87410

Quality Assurance Report Level II

L502723

February 25, 2011

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

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

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

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

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

Company Name/Address	Alternate Billing					Analy	/sis/Co	ontaine	r/Pre	servativ	9	Chain of Custody Pageof					
XTO Energy, Inc. 382 County Road 3100 Aztec, NM 87410			XTORNM031810S								. 12.	*		C078 Prepared by			
AZICO, MINI O7470				nes McDaniel										ENVIRON Science cor 12065 Leba	•		
Project Description:	E-mail to James_McDaniel@xtoenergy com City/State Collected.											Mt. Juliet TN 37122					
PHONE 505-333-3701 Client Project No.			Lab Project #								*** ****	1	Phone (615) Phone (800 . FAX (61				
Collected by James McDaniel Collected by(signature) BU GAAAAA Packed on Ice N_ Y &	Rush? (L	# Lab MUST b Next Day . Two Day Three Day	e Notified) 100% 50%	P O # Date Result Email?N FAX?N	o_X_Yes	No of	8015	12	CHLORIDES	***				CoCode XTORNM Template/Prelogin Shipped Via Fed Ex	(lab use only)		
Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Cntrs			CH	*				Remarks/contaminant	Sample # (lab only)		
Matrix SS-Soil/Solid GW-Ground	Comp	Sunc	DW Dunking	2:17:11				X		18 N N N N N N N N N N N N N N N N N N N	1867 ·	(*) (*) (*) (*)		Temp	L502723-00		
Remarks					er		-					Flow		Other			
Blogger Relinquisher by (Signature	BUGGA 2/18/11 1248 Relinquisher by (Signature Date Time Received			Received by (Signature) Received by (Signature)				8719603			Samples returned via FedEx_UPS_Other_ 87196030 1720 Temp L80 Bottles Received			ř	Condition	(lab use only)	
Relinquisher by (Signature Date Time									Date 2/19/11 Time 0930					pH Checked NCF:			



Well Below Tank Inspection Report

RouteName		StopName		Pumper	Foreman	WellName			APIWellNumbe	Section	Range	Township	
Below Grade Pi	t Forms (Temp	Canyon 17		Unassigned	Unassigned	CANYON 17			3004521508	25	11W	25N	
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PıtType	Notes		
Nick Rybacki	08/27/2008	15 00	No	No	No	Yes	No	4			Oil in pit	ıs compr	essor oil
Nick Rybacki	09/22/2008	08 45	No	No	No	No	No	6					
Nick Rybacki	10/13/2008	12 [.] 58	No	No	No	No	No	2	Well Water Pit	Below Ground			
Nick Rybacki	11/13/2008	10:30	No	No	No	No	No	1	Well Water Pit	Below Ground			
Nick Rybacki	12/23/2008	12 57	No ·	No	No	No	No	4	Well Water Pit	Below Ground			
Nick Rybacki	01/29/2009	12.00	No	No	No	No	No	3	Well Water Pit	Below Ground			
Nick Rybacki	02/16/2009	11:06	No	No	No	No	No	3	Well Water Pit	Below Ground			
Nick Rybackı	03/12/2009	14 06	No	No	No	No	No	3	Well Water Pit	Below Ground			
Nick Rybacki	04/21/2009	11 21	No	No	No	No	No	3	Well Water Pit	Below Ground			
Nick Rybacki	06/21/2009	11 32	No	No	No	No	No	1	Well Water Pit	Below Ground			
Nick Rybacki	07/30/2009	13 42	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybacki	08/27/2009	13:00	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybackı	09/14/2009	08 30	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybacki	10/07/2009	09.00	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybacki	11/27/2009	11.45	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybacki	12/21/2009	13.01	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybacki	01/31/2010	12 [.] 00	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybacki	02/28/2010	14 48	No	No	No	No	No	6	Well Water Pit	Below Ground			
Nick Rybacki	03/10/2010	09.45	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybacki	04/14/2010	09.58	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybackı	05/12/2010	12.05	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybacki	06/23/2010	09 59	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybacki	07/28/2010	10 23	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybacki	08/17/2010	12 00	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybacki	09/06/2010	12 15	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybacki	10/07/2010	10 [.] 45	No	No	No	No	No	6	Well Water Pit	Below Ground			
nick rybacki	11/07/2010	11 25	No	No	No	No	No	6	Well Water Pit	Below Ground			
Gary Derrera	01/14/2011	12 30	No	No	No	No	No	6	Well Water Pit	Below Ground			
Gary Derrera	02/13/2011	12 30	No	No	No	No	No	6	Well Water Pit	Below Ground			

XTO Energy, Inc. Canyon #17 Section 25, Township 25N, Range 11W Closure Date: 3/18/2011

Photo 1: Canyon #17 after Reclamation (View 1)

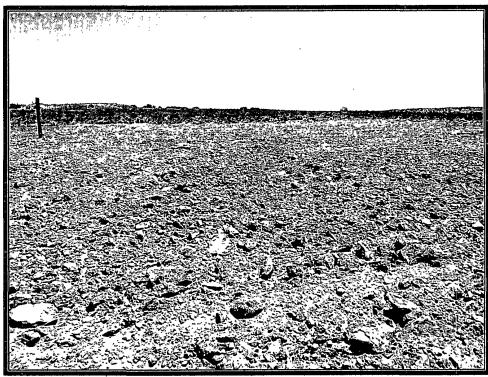


Photo 2: Canyon #17 after Reclamation (View 2)