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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South StyFrancis Dr. Santa Fe, NM 87505 2008 DFC 8 PM 4 43 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.

10746

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

	stem, below-grade tank, or proposed alternative method ystem, below-grade tank, or proposed alternative method rmit
Closure plan only submitted for below-grade tank, or proposed alternative method	or an existing permitted or non-permitted pit, closed-loop system,

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 ope environment. Nor does approval relieve the operator of its responsibility to comply with any other	•	, 0
1.		
Operator: XTO Energy, Inc.		
Address: #382 County Road 3100, Aztec, NM 87410		
Facility or well name: _ Romero Gas Com A#1A		
		<u> </u>
U/L or Qtr/Qtr P Section 27 Township 29N Range		
Center of Proposed Design: Latitude 36.69191 Longitude	107.86643	NAD: □1927 🛭 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment		
Pit: Subsection F or G of 19.15.17.11 NMAC		RCVD DEC 17 '12
Temporary: Drilling Workover		OIL CONS. DIV.
Permanent Emergency Cavitation P&A		DIST. 3
☐ Lined ☐ Unlined Liner type: Thickness mil ☐ LLDPE ☐ HDPE ☐	DVC D Other	
String-Reinforced	Ji ve Domer -	
Line South Difference Value Va	LLI Dia	www.i-a-a-l
Liner Seams: Welded Factory Other Volume:	001 DIII	itelisions. L X W X D
3. Closed-loop System: Subsection H of 19.15.17.11 NMAC		
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to intent)	activities which re	quire prior approval of a permit or notice of
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other		
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDP	E 🔲 PVC 🔲 Otho	er
Liner Scams: Welded Factory Other		
4. Subsection I of 19.15.17.11 NMAC		
Volume: 95 bbl Type of fluid: Produced Water Tank Construction protected: Steel		
Tank Construction material: Steel Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and	1 autamati	and a fee
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other <u>Visible sidewalls</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, a	hospital,					
institution or church) The 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						
7.						
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						
Z digited in compliance with 17.15.5.105 NVIAC						
9. Administrative Approvals and Exceptions:						
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.						
Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau of	office for					
consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.						
10.						
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a	priate district pproval.					
Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dryi above-grade tanks associated with a closed-loop system.	ing 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.	☐ Yes ⊠ No					
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□ 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)	Yes No					
- 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	103 24 110					
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.	☐ Yes ⊠ No					
- Written confirmation or verification from the municipality; Written approval obtained from the municipality						
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 19.15.17.12 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:
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
Providently Assurand Davies (ethal) arms of davies)
Previously Approved Design (attach copy of design) API Number:
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
15.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee Instructions: Please indentify the facility or facilities for the disposal of liquids, drill facilities are required.		
Disposal Facility Name: Dis	sposal Facility Permit Number:	
Disposal Facility Name: Dis	sposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur Yes (If yes, please provide the information below) No	on or in areas that will not be used for future serv	rice and operations?
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 I of Site Reclamation Plan - based upon the appropriate requirements of Subsection I	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 provided below. Requests regarding changes to certain siting criteria may require acconsidered an exception which must be submitted to the Santa Fe Environmental Budemonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for §	dministrative approval from the appropriate distr ureau office for consideration of approval. Justij	ict 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 ob	stained from nearby wells	Yes No
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 ob	otained from nearby wells	☐ Ycs ☐ 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 ob	ntained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significance (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	cant watercourse or lakebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in Visual inspection (certification) of the proposed site; Aerial photo; Satellite im		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less the watering purposes, or within 1000 horizontal feet of any other fresh water well or spring - NM Office of the State Engineer - iWATERS database; Visual inspection (cert	ng, in existence at the time of initial application.	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water wadopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval or		☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual in	aspection (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 an	d Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Society; Topographic map	Mineral Resources; USGS; NM Geological	☐ 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 forby a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate required Proof of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Plan of Burial Trench (if applicable) based upon the appropriate requirements of Surface Owner Plan of Temporary Pit (for in-place burial of a drying pad) Protocols and Procedures - based upon the appropriate requirements of 19.15.17 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Sufface Observation Plan - based upon the appropriate requirements of Subsection Holes Re-vegetation Plan - based upon the appropriate requirements of Subsection I of Site Reclamation Plan - based upon the appropriate requirements of Subsection	ements of 19.15.17.10 NMAC absection F of 19.15.17.13 NMAC appriate requirements of 19.15.17.11 NMAC a-based upon the appropriate requirements of 19.13 ANMAC aments of Subsection F of 19.15.17.13 NMAC absection F of 19.15.17.13 NMAC acuttings or in case on-site closure standards cannot f 19.15.17.13 NMAC f 19.15.17.13 NMAC	15.17.11 NMAC

Operator Application Certification: I hereby certify that the information submitted with this application is true, a	accurate and complete to t	he best of my knowledge and belief.
Name (Print): Kim Champlin	Title:	Environmental Representative
Signature: him Champlin	Date:	11/26/08
e-mail address: kim_champlin@xtoenergy.com		(505) 333-3100
20.		
OCD Approval: Permit Application (including closure plan) Close	urc Plan-(only)	Conditions (see attachment)
OCD Representative Signature:	Opnatt V. Kelly	12/19/2012 Approval Date: /2/4//2
	Compliance of	
Title: Serior Hydrologist	OCD Permit Num	ber:
21. Closure Report (required within 60 days of closure completion): Subset Instructions: Operators are required to obtain an approved closure plan p The closure report is required to be submitted to the division within 60 day section of the form until an approved closure plan has been obtained and t	rior to implementing any s of the completion of the he closure activities have	closure activities and submitting the closure report. closure activities. Please do not complete this been completed.
		pletion Date: 12-5-2012
22. Closure Method: Waste Excavation and Removal On-Site Closure Method A If different from approved plan, please explain.	lternative Closure Method	Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop Sys Instructions: Please indentify the facility or facilities for where the liquids		
two facilities were utilized.	Dianogal Facility B	ermit Number:
Disposal Facility Name:		
Disposal Facility Name:		Permit Number:
Yes (If yes, please demonstrate compliance to the items below)		be used for future service and operations?
Required for impacted areas which will not be used for future service and op-	perations:	•
Site Reclamation (Photo Documentation)		
☐ Soil Backfilling and Cover Installation ☐ Re-vegetation Application Rates and Seeding Technique		
Closure Report Attachment Checklist: Instructions: Each of the following	ng items must be attached	d to the closure report. Please indicate, by a check
mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division)		
Proof of Deed Notice (required for on-site closure)		
Plot Plan (for on-site closures and temporary pits)		
Confirmation Sampling Analytical Results (if applicable)		
Waste Material Sampling Analytical Results (required for on-site clos	ure)	
Disposal Facility Name and Permit Number		
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique		
Site Reclamation (Photo Documentation)		
	ongitude	NAD: □1927 □ 1983
25.		
Operator Closure Certification:		
I hereby certify that the information and attachments submitted with this closure. I also certify that the closure complies with all applicable closure req		
Name (Print): KyeT, HOEKSTRA	Title: 5v. 5	ENVIRONMENTAL TECHNICIAN
Signature: Lust Hocketter	Date:	12-11-2012
c-mail address: Kurt - Hoekstra exto energy. C	10 VV) Telephone:	505-333-3100

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

• 11

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

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

Release Notification and Corrective Action

					OPERA'	ГOR		Initia	l Report		Final Report	
Name of Co	ompany: XTO Energy,			Contact: Kurt Hoekstra								
	2 Road 3100, Aztec, N		co 87410		Telephone No.: (505) 333-3202							
	ne: Romero Gas Com					e: Gas Well (Ot		/ Blanc	co MV)			
Surface Ow	ner: Private		Mineral O	wner:			L	ease N	o. Fee			
			OF RE		r							
Unit Letter P	Section Township 27 29N	Range 10W	Feet from the 1240	North/	South Line FSL	Feet from the 700	East/West FEL	Line	County San Juan			
Latitude: 36.69191 Longitude: -107.86643 NATURE OF RELEASE												
Type of Rele	ase: Produced Water				Volume of	Release: Unknow	vn Vo	lume R	ecovered: N	one		
Source of Re	lease: Below Grade Tank				Date and F N/A	Iour of Occurrenc	e: Dat	te and I	Hour of Disco	very:	11-30-2012	
Was Immedia	ate Notice Given?	Yes 🗌	No 🛛 Not Rec	quired	If YES, To	Whom?						
By Whom?					Date and I	lour						
Was a Water	course Reached?	Yes 🛚	No		If YES, Volume Impacting the Watercourse.							
If a Watercou	urse was Impacted, Descri	be Fully.*										
maintenance Method 8021 chlorides, but was then rank depth to grou	use of Problem and Remedupgrades at the facility. To and for total chlorides. It above the 100 ppm TPH and according to the NMC andwater of less than 50 for 50 ppm total BTEX.	he BGT of The samp standard of OCD Guide	ellar beneath the E le returned results at 6,590 ppm via U elines for the Rem	BGT was below JSEPA sediation	is sampled fo the 'Pit Rule Method 418. n of Leaks, S	r TPH via USEPA ' spill confirmation 1, confirming that pills and Releases	A Method 80 on standards to a release has. The site was	15 and for ben as occur as ranke	418.1, for B7 zene, total B7 rred at this lot at the total at the tota	TEX value of the control of the cont	via USEPA and n. The site stimated	
	a Affected and Cleanup A	ction Tak	en.* Based on TPI	H resul	ts of 6,590 pp	om via USEPA M	ethod 418.1	a releas	se has been co	onfirm	ned at this	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.								The y investigate				
						OIL CONS	SERVAT	ION	DIVISIO	N		
Signature:	Kut Hocketin				Approved by	District Supervise	or:				ļ	
rinted Name	e: Kurt Hoekstra						-					
Title: Sr. Env	ironmental Technician	· · · · · · · · · · · · · · · · · · ·			Approval Da	e:	Expi	ration [Date:			
E-mail Addre	ess: Kurt_Hoekstra@xtoe	nergy.com	· 		Conditions of	Approval:			Attached			

Phone: 505-333-3202

Date: 12-11-2012

RUSH CHAIN OF CUSTODY RECORD

14712

Client: XTO		Pro	oject Name / Locati Romeeo Ga	on:	 Α#ι	A							Al	NAL	YSIS	/ PAI	RAMI	ETEF	RS			
Email results to: JAMES M KNET HOEKSTEH, LOG		 │Sa	mpler Name:	wet	,				8015)	1 8021)	8260)	S			0	-						
Client Phone No.: 333-3100			ent No.: 98031	- 0528	3				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	ļ	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volu of Contai		—т	servativ HCI	е	H _H	BTE	စ္ခဲ	RCR,	Catio	E E	TCLF	00	TPH	품			Samp	Sam
BGT CELLAR	11/29	11:00	103900 P211086-01A	1402J	AR_		-	- `	× ;	×	1	<u></u>					X	X			X	X
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Relinquished by/(signature)	In.	<u> </u>		Date Ti	•	eceix		: (Sigr			٦(À	<u> 29</u>							1129	1	- 1
Refinquished by: (Signature)					R	eceiv	ed by:	: (Sign	natur	e)		<u> </u>										
Sample Matrix Soil Solid Studge .	Aqueous 🗌	Other 🔲														•						
Sample(s) dropped off after h	nours to sec	ure drop off	area.	3 er	V i	r O	†E	e C	h													
5795 US Highway 64	• Farmingto	on, NM 8740	• 505-632-0615 • TI	nree Springs	• 65 Mer	rcado	Stree	t, Suite	e 115	, Dur	ango	, co	8130	1 • k	abore	atory(@env	iroted	ch-inc.	com		



Report Summary

Client: XTO

Chain of Custody Number: 14712

Samples Received: 11-29-12

Job Number: 98031-0528

Sample Number(s): 63800

Project Name/Location: Romero Gas Com A #1A

Entire Report Reviewed By:

__ Date: <u>/2/3//2</u>

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.



Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar	Date Reported:	11-30-12
Laboratory Number:	63800	Date Sampled:	11-29-12
Chain of Custody No:	14712	Date Received:	11-29-12
Sample Matrix:	Soil	Date Extracted:	11-30-12
Preservative:	Cool	Date Analyzed:	11-30-12
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

6,590

6.7

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Romero Gas Com A #1A

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

anyloted-faccom

Ph (970) 259-0615 Fr (800) 362-1879



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QUALITY ASSURANCE REPORT

Client:

QA/QC

Project #:

N/A

Sample ID:

QA/QC

Date Reported:

11-30-12

Laboratory Number:

11-30-TPH.QA/QC 63800

Date Sampled:

N/A

Sample Matrix:

Freon-113

11-30-12

Date Analyzed:

11-30-12

Preservative: Condition:

N/A N/A

Date Extracted: Analysis Needed: 11-30-12 **TPH**

Calibration Li-Cal Date: C-Cal Date: L-Cal RF: C-Cal RF: C-Cal RF: MDifference Accept Range

11-15-12

1,680

1,720

2.4%

+/- 10%

Blank Conc. (mg/Kg

Concentration

Detection Limit

TPH

ND

6.7

Duplicate Conc. (mg/K

Sample 6,590

Duplicate : % Difference 7,400

12.3%

Accept Range +/- 30%

Spike Conc. (mg/Kg **TPH**

TPH

Sample : 6,590

Spike Added Spike Result: % Recovery Accept Range 2,000

8,070

93.9%

80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Samples 63793-63794, 63800-63801.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

enviroted)-incom

Ph (970) 259-0615 Fr (800) 362-1879



Chloride

Client: **XTO** Project #: 98031-0528 Sample ID: **BGT Cellar** Date Reported: 11-30-12 Lab ID#: 63800 Date Sampled: 11-29-12 Sample Matrix: Soil Date Received: 11-29-12 Preservative: Date Analyzed: Cool 11-30-12 Condition: Intact Chain of Custody: 14712

Parameter Concentration (mg/Kg)

Total Chloride 26.9

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Romero Gas Com A #1A



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar	Date Reported:	11-30-12
Laboratory Number:	63800	Date Sampled:	11-29-12
Chain of Custody:	14712	Date Received:	11-29-12
Sample Matrix:	Soil	Date Analyzed:	11-30-12
Preservative:	Cool	Date Extracted:	11-29-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

		Det.
	Concentration	Limit
Parameter	(ug/Kg)	(ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.8 %
	1,4-difluorobenzene	96.7 %
	Bromochlorobenzene	102 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846.

USEPA, December 1996.

Comments: Romero Gas Com A #1A



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A		Project #:	[N/A
Sample ID:	1130BCAL QA/Q	С	Date Reported:	•	11-30-12
Laboratory Number:	63800		Date Sampled:	I	N/A
Sample Matrix:	Soil		Date Received:		N/A
Preservative:	N/A		Date Analyzed:		11-30-12
Condition:	N/A		Analysis:	!	BTEX
			Dilution:	!	50
Calibration and .	(I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.
Detection Limits (ug/L)		Accept: Range 0-1	5%	Conc	Limit
Benzene	8.4446E-05	8.4446E-05	0.000	ND	0.2
Toluene	7.8390E-05	7.7690E-05	0.009	ND	0.2
Ethylbenzene	8.6785E-05	8.6828E-05	0.001	ND	0.2
p,m-Xylene	7.2987E-05	7.2987E-05	0.000	ND	0.2
o-Xylene	9.0367E-05	9.2029E-05	0.018	ИD	0.2
Duplicate Conc. (ug/Kg)	Sample	ි Dublicate	~~%Diff	Accept Range	Detect Limit
Santan attachment and an arrangement and arrangement are arrangement and arrangement are arrangement and arrangement are arran		Action of Manager	The Later Control of the Control of	er and a second	The second second
Benzene	NE) NI	D 0.00	0 - 30%	10

Spike Conc. (ug/Kg)	Sample Amo	unt Spiked Spik	ed Sample # % l	Recovery	Accept Range	
Benzene	ND	2500	2480	99.2	39 - 150	
Toluene	ND	2500	2540	102	46 - 148	
Ethylbenzene	ND	2500	2450	98.0	32 - 160	
p,m-Xylene	ND	5000	4940	98.8	46 - 148	
o-Xylene	ND	2500	2430	97.2	46 - 148	

ND

ND

ND

ND

0.00

0.00

0.00

0.00

0 - 30%

0 - 30%

0 - 30%

0 - 30%

10

10

10

10

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

ND

ND

ND

ND

References:

Toluene

Ethylbenzene

p,m-Xylene

o-Xylene

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 63768, 63792-63794, 63797-63798, 63800

and 63806-63809

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

laboratory@envirotech-incom

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

Lease Name: Romero Gas Com A # 1A

API No.: 30-045-26213

Description: Unit P, Section 27, Township 29N, 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

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 December 5, 2012

- 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 December 5, 2012
- 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 will remain on location for the continued production of oil and gas.

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

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.010 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.50 mg/kg
TPH	EPA SW-846 418.1	100	6,590 mg/kg
Chlorides	EPA 300.1	250 or background	26.9 mg/kg
TPH (Spill Rule)	8015	100	77.0 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.

Due to TPH results of 6,590 PPM, beneath our BGT, a release has been confirmed for this location. A C-141 Release Notification form will be sent outlining any remediation activities taken regarding this release.

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

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

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

The notification will include the following:

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

Notification was provided to Mr. Brandon Powell with the Aztec office of the OCD via email on November 29, 2012; see attached email printout.

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

The surface owner was notified on November 30, 2012; 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 site will continue to be used for oil and gas exploration and production operations. The site will be recontoured upon the plugging and abandoning of this well location

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.

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

The location will continue to be used for daily operations pertaining to oil and gas explorations and production activities. The site will be reclaimed pursuant to surface owner specifications upon the plugging and abandoning of this well location.

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

	U.S. Postal Service CERTIFIED MAIL: RECEIPT (Pomesib Mail Only; No Insurance Coverage Provided)								
92h	For delivery information visitour website at www.reps.com								
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	PS Form 8300, Argust 2	1996 See Reverse for Instructions							

SENDER: COMPLETE: THIS SECTION 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. 1. Article Addressed to: FVED G and Nrginia A. Armenta The Road 4990	A. Signature X
Bloomfield, rim 87413-	☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.
	4. Restricted Delivery? (Extra Fee)
2. Article Number 7012 10	116 0002 9433 4766
PS Form 3811, February 2004 Domestic Ref	turn Receipt 102595-02-M-1540

November 30, 2012

Fred G. and Virginia A. Armenta, 766 Road 4990 Bloomfield, NM. 874139621

Re:

Romero Gas Com A # 1 A API # 30-045-26213

Unit P, Section 27, Township 29N, Range 10W, San Juan County, New Mexico

Mr. Armenta;

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 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,

Kut Hortelle

Kurt Hoekstra

Sr. Environmental Technician

XTO Energy, Inc.

Western Division

Kurt Hoekstra/FAR/CTOC 11/29/2012 01:40 PM

To Brandon Powell

СС

bcc

Subject BGT Closure Romero Gas Com A # 1 A

November 29, 2012

Brandon,

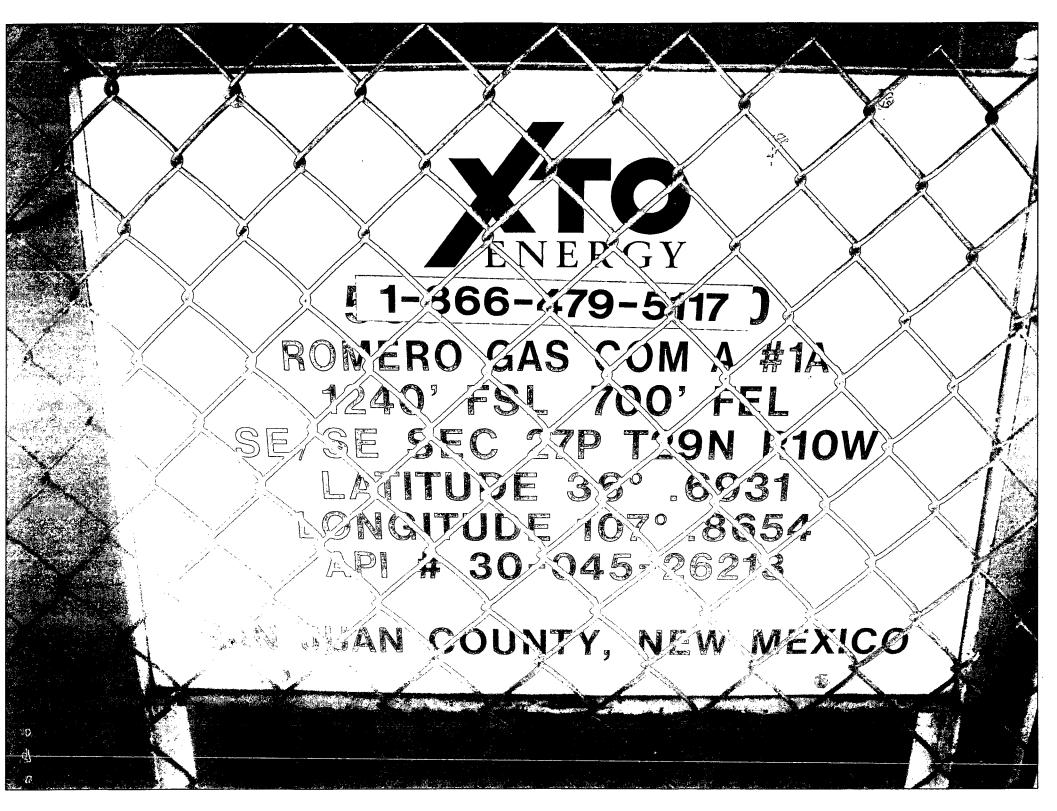
Re: Romero Gas Com A # 1 A API # 30-045-26213

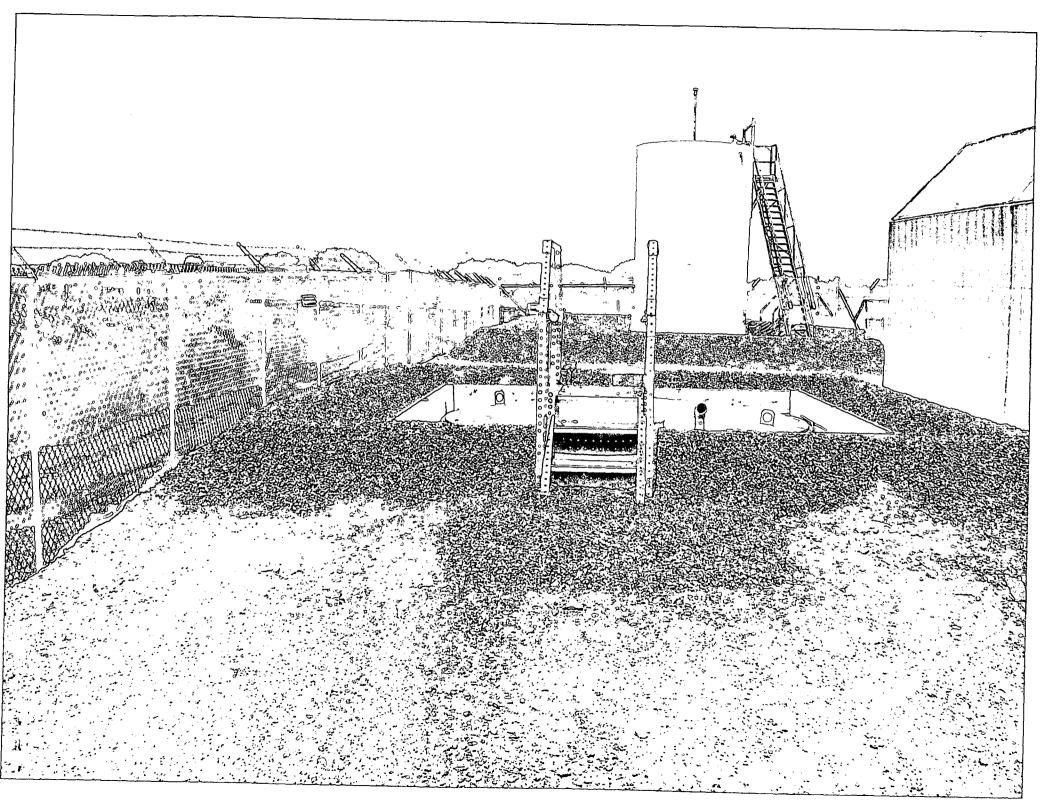
Unit P, Section 27, Township 29N, Range 10W, San Juan County, New Mexico

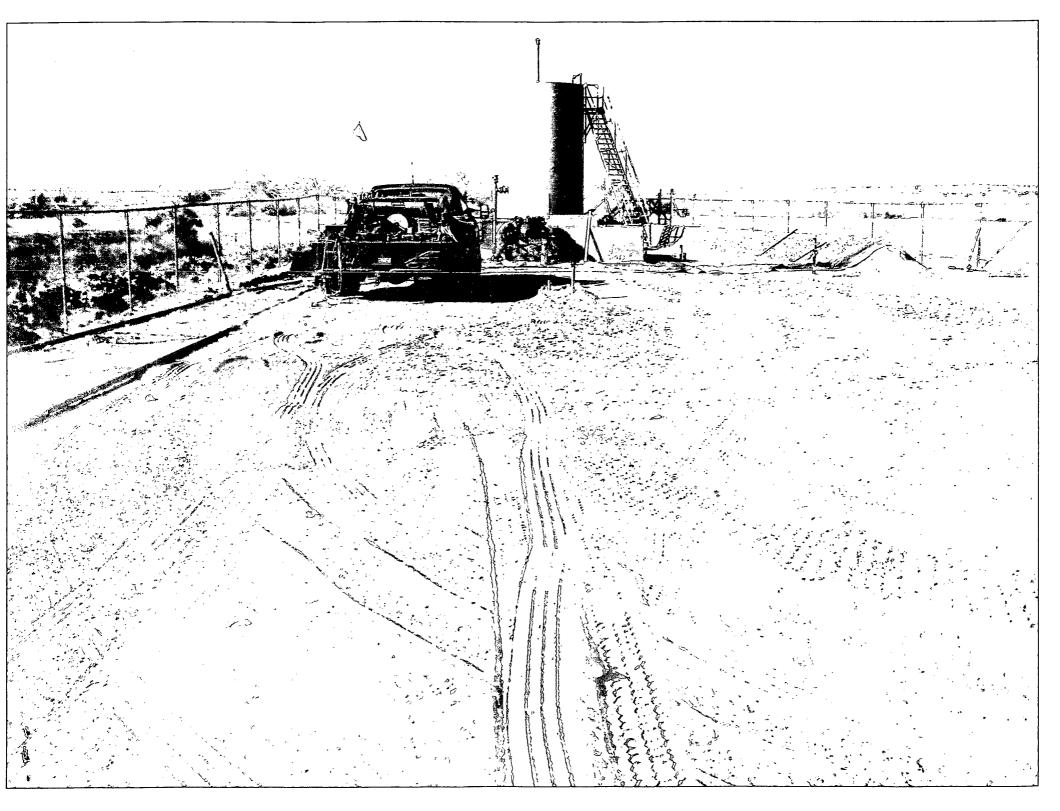
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Kurt Hoekstra
Sr. Environmental Technician
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt_Hoekstra@xtoenergy.com









Well Below Tank Inspection Report

Division

Denver

Dates

06/01/2008 - 12/01/2012

Type

Route Stop

Type Value

R

RouteName		StopName	1	Pumper	Foreman	WellNam	ie		APIWellNumber	Section	Range	Township
DEN NM Run 53A		ROMERO	GAS COM A	·Blackwell, Frankie	Bramwell, Chri	is ROMER(O GC A 01	A	3004526213	27	10W	29N
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation PitTyp	e Notes		
PAT ROARK	01/01/2009	10:00	No	No	No	No	No	0	Well Water Pi Below	GTHE PLAREA	IS CLEAN. P	₹
Waddy Altman	11/16/2009	10:00	No	No	No	Yes	No	0	Well Water Pi Below	G oil layer on pit		
Pat Roark	01/02/2010	10.00	No	No	No	Yes	No	4	Well Water Pi Below	G oil layer on pit		
Pat Roark	02/22/2010	10:00	No	No	No	Yes	No	4	Well Water Pi Below	G oil layer on pit		
L Ross	04/14/2010	10:00	No	No	No	Yes	No	3	Well Water Pi Below	G oil layer on pit		
Pat Roark	05/02/2010	12:00	No	No	No	Yes	No	1	Well Water Pi Below	G oil layer on pit		
Pat Roark	05/13/2010	09:45	No	No	No	Yes	No	1	Well Water Pi Below	G 2" produced o	il in pit. PR	
Pat Roark	07/14/2010	09:45	No	No	No .	Yes	No	1	Well Water Pi Below	G 2" produced o	il in pit. PR	
Pat Roark	09/03/2010	09:45	No	No	No	Yes	No	1	Well Water Pi Below	G 2" produced o	il in pit. PR	
Pat Roark	10/13/2010	10:45	No	No	No	Yes	No	1	Well Water Pi Below	G 2" produced o	il in pit. PR	
Pat Roark	12/13/2010	10:45	No	No	No	Yes	No	1	Well Water Pi Below	G 2" produced o	il in pit. PR	
Pat Roark	01/28/2011	10:45	No	No	No	Yes	No	1	Well Water Pi Below	G 2" produced o	il in pit. PR	
RF	04/15/2011	11:47	No	No	No	Yes	No	4	Well Water Pi Below	Ground		
RF	05/05/2011	01:35	No	No	No	Yes	No	3	Well Water Pi Below	Ground		
· RF	06/07/2011	12:36	No	No	No	Yes	No	2	Well Water Pi Below	Ground		
RF	07/07/2011	08:24	No	No	No	Yes	No	2	Well Water Pi Below	Ground		
FB .	08/23/2011	11:18	No	No	No	Yes	No	1	Well Water Pi Below	Ground		
FB	09/02/2011	09:28	No	No	No	Yes	No	4	Well Water Pi Below	Ground		
FB	10/13/2011	11:47	No	No	No	Yes	No	3	Well Water Pi Below	Ground		
FB	11/17/2011	10:13	No	No	No	Yes	No	2	Well Water Pi Below	Ground		
a												

FB	12/21/2011	01:48	No	No	No	Yes	No	2	Well Water Pi Below Ground
FB	01/13/2012	12:42	No	No	No	Yes	No	3	Well Water Pi Below Goil in pit
FB	02/09/2012	09:55	No	No	No	Yes	No	3	Well Water Pi Below Goil in pit
FB	03/07/2012	02:10	No	No	No	Yes	No	3	Well Water Pi Below Goil in pit
FB	04/11/2012	09:45	No	No	No	Yes	No	3	Well Water Pi Below Goil in pit
FB	05/03/2012	01:31	No	No	No	Yes	No	3	Well Water Pi Below Goil in pit
FB	06/07/2012	11:25	No	No	No	Yes	No	3	Well Water PiBelow Goil in pit
FB	07/06/2012	03:05	No	No	No	Yes	No	2	Well Water PiBelow Goil in pit
FB	08/03/2012	02:05	No	No	No	Yes	No	1	Well Water PiBelow Goil in pit
FB	09/03/2012	10:25	No	No	No	Yes	No	4	Well Water Pi Below Ground