

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

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: James McDaniel	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3202	
Facility Name: ROPCO 16 #1 (30-045-30942)	Facility Type: Gas Well	
Surface Owner: State	Mineral Owner:	Lease No.

**LOCATION OF RELEASE**

Unit Letter B	Section 16	Township 29N	Range 14W	Feet from the 997	North/South Line FNL	Feet from the 1563	East/West Line FEL	County San Juan
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Latitude: 36.731233 Longitude: -108.311363

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 5/3/2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>RCVD JUN 13 '13 OIL CONS. DIV.</b>	

If a Watercourse was Impacted, Describe Fully.\*

**DIST. 3**


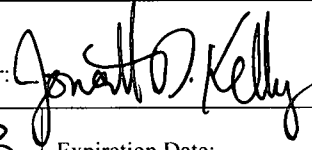
Describe Cause of Problem and Remedial Action Taken.

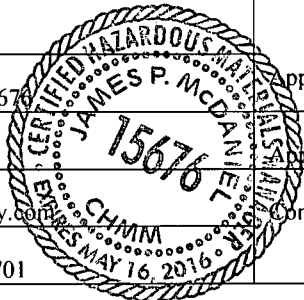
The below grade tank was removed at the ROPCO 16 #1 well site due to maintenance upgrades at this facility. The BGT cellar was sampled for TPH via USEPA Method 8015 and 418.1, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for TPH, total BTEX and chlorides, but above the 250 ppm chloride standard at 480 ppm, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 40 due to an estimated depth to groundwater of less than 50 feet and a distance to surface water of less than 200 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.

The sample returned results below the regulatory standards for all constituents analyzed. The Guidelines for the Remediation of Leaks, Spills and Releases does not site a standard for chlorides. No further action is required regarding this project.

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

Signature: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: James McDaniel, CHMM #15676		Approved by District Supervisor: 	
Title: EH&S Supervisor		Approval Date: <u>8/26/2013</u> Expiration Date:	
E-mail Address: James_McDaniel@xtoenergy.com		Conditions of Approval:	
Date: 6/10/2013 Phone: 505-333-3701		Attached <input type="checkbox"/>	



*nSK 1323842550*



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Est. 1970

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

### Report Summary

Tuesday May 07, 2013

Report Number: L633745

Samples Received: 05/03/13

Client Project:

Description: Ropco 16 1

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 - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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# REPORT OF ANALYSIS

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

May 07, 2013

Date Received : May 03, 2013  
Description : Ropco 16 1  
Sample ID : FAR LH-050213  
Collected By : Logan Hixon  
Collection Date : 05/02/13 11:30

ESC Sample # : L633745-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	480	11.	mg/kg	9056	05/06/13	1
Total Solids	91.2	0.100	%	2540 G-2011	05/07/13	1
Benzene	BDL	0.0027	mg/kg	8021/8015	05/05/13	5
Toluene	BDL	0.027	mg/kg	8021/8015	05/05/13	5
Ethylbenzene	BDL	0.0027	mg/kg	8021/8015	05/05/13	5
Total Xylene	BDL	0.0082	mg/kg	8021/8015	05/05/13	5
TPH (GC/FID) Low Fraction	BDL	0.55	mg/kg	GRO	05/05/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8021/8015	05/05/13	5
a,a,a-Trifluorotoluene(PID)	100.		% Rec.	8021/8015	05/05/13	5
TPH (GC/FID) High Fraction	BDL	4.4	mg/kg	3546/DRO	05/06/13	1
Surrogate recovery(%)						
o-Terphenyl	66.6		% Rec.	3546/DRO	05/06/13	1

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: 05/07/13 14:30 Printed: 05/07/13 15:05



YOUR LAB OF CHOICE

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Quality Assurance Report  
Level II

L633745

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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG659650	05/05/13 00:52
Ethylbenzene	< .0005	mg/kg			WG659650	05/05/13 00:52
Toluene	< .005	mg/kg			WG659650	05/05/13 00:52
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG659650	05/05/13 00:52
Total Xylene	< .0015	mg/kg			WG659650	05/05/13 00:52
a,a,a-Trifluorotoluene(FID)		% Rec.	101.4	59-128	WG659650	05/05/13 00:52
a,a,a-Trifluorotoluene(PID)		% Rec.	100.5	54-144	WG659650	05/05/13 00:52
TPH (GC/FID) High Fraction	< 4	mg/kg			WG659647	05/06/13 08:21
o-Terphenyl		% Rec.	75.70	50-150	WG659647	05/06/13 08:21
Total Solids	< .1	%			WG659621	05/07/13 09:21
Chloride	< 10	mg/kg			WG659670	05/06/13 13:07

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	93.0	91.2	1.64	5	L633745-01	WG659621
Chloride	mg/kg	260.	270.	3.77	20	L633551-01	WG659670
Chloride	mg/kg	440.	440.	0	20	L633745-01	WG659670

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.05	0.0430	86.0	76-113	WG659650
Ethylbenzene	mg/kg	.05	0.0452	90.4	78-115	WG659650
Toluene	mg/kg	.05	0.0437	87.4	76-114	WG659650
Total Xylene	mg/kg	.15	0.138	92.2	81-118	WG659650
a,a,a-Trifluorotoluene(PID)				99.74	54-144	WG659650
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.89	107.	67-135	WG659650
a,a,a-Trifluorotoluene(FID)				102.1	59-128	WG659650
TPH (GC/FID) High Fraction	mg/kg	60	39.2	65.4	50-150	WG659647
o-Terphenyl				70.70	50-150	WG659647
Total Solids	%	50	50.0	100.	85-115	WG659621
Chloride	mg/kg	200	195.	97.5	80-120	WG659670

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref %Rec				
Benzene	mg/kg	0.0479	0.0430	96.0	76-113	10.7	WG659650
Ethylbenzene	mg/kg	0.0503	0.0452	101.	78-115	10.8	WG659650
Toluene	mg/kg	0.0487	0.0437	97.0	76-114	10.8	WG659650
Total Xylene	mg/kg	0.155	0.138	103.	81-118	11.1	WG659650
a,a,a-Trifluorotoluene(PID)				100.2	54-144		WG659650
TPH (GC/FID) Low Fraction	mg/kg	6.03	5.89	110.	67-135	2.49	WG659650
a,a,a-Trifluorotoluene(FID)				102.4	59-128		WG659650

\* Performance of this Analyte is outside of established criteria.

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



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Level II

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Analyte	Laboratory Control Sample Duplicate				Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	40.6	39.2	68.0 71.80	50-150 50-150	3.51	20	WG659647 WG659647
Chloride	mg/kg	195.	195.	98.0	80-120	0	20	WG659670

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	0.218	0	.05	87.1	32-137	L633745-01	WG659650
Ethylbenzene	mg/kg	0.231	0	.05	92.2	10-150	L633745-01	WG659650
Toluene	mg/kg	0.226	0	.05	90.3	20-142	L633745-01	WG659650
Total Xylene	mg/kg	0.705	0	.15	94.0	16-141	L633745-01	WG659650
a,a,a-Trifluorotoluene (PID)					100.3	54-144		WG659650
TPH (GC/FID) Low Fraction	mg/kg	22.4	0.0566	5.5	81.4	55-109	L633745-01	WG659650
a,a,a-Trifluorotoluene (FID)					100.3	59-128		WG659650
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	34.5	0	60	57.6 55.60	50-150 50-150	L633684-14	WG659647 WG659647

Analyte	Units	Matrix Spike Duplicate				Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec						
Benzene	mg/kg	0.287	0.218	115.		32-137	27.5	39	L633745-01	WG659650
Ethylbenzene	mg/kg	0.295	0.231	118.		10-150	24.4	44	L633745-01	WG659650
Toluene	mg/kg	0.289	0.226	116.		20-142	24.7	42	L633745-01	WG659650
Total Xylene	mg/kg	0.901	0.705	120.		16-141	24.4	46	L633745-01	WG659650
a,a,a-Trifluorotoluene (PID)				90.39		54-144				WG659650
TPH (GC/FID) Low Fraction	mg/kg	25.4	22.4	92.3		55-109	12.6	20	L633745-01	WG659650
a,a,a-Trifluorotoluene (FID)				99.47		59-128				WG659650
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	37.3	34.5	62.2 60.20		50-150 50-150	7.81	20	L633684-14	WG659647 WG659647

Batch number /Run number / Sample number cross reference

WG659650: R2652800: L633745-01  
WG659647: R2653140: L633745-01  
WG659621: R2655220: L633745-01  
WG659670: R2656180: L633745-01

\* \* Calculations are performed prior to rounding of reported values.

\* Performance of this Analyte is outside of established criteria.

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



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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.

