

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) 333-3701	
Facility Name: Schumacher #1F (30-045-33175)	Facility Type: Gas Well (Dakota)	
Surface Owner: Federal	Mineral Owner:	Lease No.:

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	8	30N	12W	1970	FNL	1970	FWL	San Juan

Latitude: 36.8297 Longitude: -108.1229

NATURE OF RELEASE

T of Release Produced Water
Source of Release Leaking Pit Tank

Volume of Release 9 bbls

Volume Recovered ~9

Date and Hour of Occurrence

Date and Hour of Discovery:

Ju 19. 2011 - 1000

Julv 19. 2011 - 1000

Was Immediate Notice Given?

☒ Yes ☐ No ☐ Not Required

If YES, To Whom?

Brandon Powell

E Whom? James McDaniel

Date and Hour Ju 20. 2011 - 0657

Was a Watercourse Reached?

☐ Yes ☒ No

If YES, Volume Impacting the Watercourse.

If a Watercourse was Impacted, Describe Fully *

Describe Cause of Problem and Remedial Action Taken *

On July 19, 2011, a XTO lease operator noticed a small hole in the side of the pit tank at the Schumacher #1F well site. The hole formed during water removal activities being performed at that time. Approximately 9 bbls of water was released into the pit cellar, with nearly 9 bbls of water being recovered. The pit tank was emptied, and will be repaired and put back into service. The site was then ranked a 20 due to a wash at less than 1,000 feet from the location, and an estimated depth to groundwater of less than 100 feet. This set the closure standards to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken *

On July 20, 2011, spill assessment activities were performed on the pit cellar. No sheen or hydrocarbon odors were noted in the bottom of the pit cellar, and the soil at the bottom of the pit cellar was a dense, sandy shale. A composite sample was collected from the bottom of the pit cellar and analyzed for DRO/GRO via USEPA Method 8015 and for BTEX via USEPA Method 8021. The sample returned results below the regulatory standards determined for this site. No further action is required regarding this incident. The pit tank will be repaired and put back into service. Analytical results are attached for your reference.

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 regulations.

OIL CONSERVATION DIVISION

Signature

Printed Name James McDaniel, CHMM #15676

Approved by District Supervisor

Title EH&S Supervisor

Approval Date

Expiration Date

E-mail Address James.McDaniel@xtoenergy.com

Conditions of Approval:

Attached ☐

Date: 7/26/2011

Phone 505-333-3701



RCVD JUL 27 '11
OIL CONS. DIV.
DIST. 3



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 Road 3100
Aztec, NM 87410

Report Summary

Monday July 25, 2011

Report Number: L527312

Samples Received: 07/22/11

Client Project:

Description: Schumacher 1F

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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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

July 25, 2011

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

ESC Sample # . L527312-01

Date Received July 22, 2011
Description Schumacher 1F

Site ID SCHUMACHER 1F

Sample ID CELLAR BOTTOM

Project #

Collected By James McDaniel
Collection Date 07/20/11 09 35

Parameter	Dry Result	Det Limit	Units	Method	Date	Dil
Total Solids	87		%	2540G	07/25/11	1
Benzene	BDL	0.0029	mg/kg	8021/8015	07/23/11	5
Toluene	BDL	0.029	mg/kg	8021/8015	07/23/11	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	07/23/11	5
Total Xylene	0.013	0.0086	mg/kg	8021/8015	07/23/11	5
TPH (GC/FID) Low Fraction	BDL	0.57	mg/kg	GRO	07/23/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	104.		% Rec	8021/8015	07/23/11	5
a,a,a-Trifluorotoluene (PID)	102		% Rec	8021/8015	07/23/11	5
TPH (GC/FID) High Fraction	5.2	4.6	mg/kg	3546/DRO	07/24/11	1
Surrogate recovery(%)						
o-Terphenyl	55.0		% Rec	3546/DRO	07/24/11	1

Results listed are dry weight basis

BDL - Below Detection Limit

Det Limit - Practical Quantitation Limit (PQL)

Note

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The reported analytical results relate only to the sample submitted

Reported 07/25/11 16 09 Printed 07/25/11 16 10

Summary of Remarks For Samples Printed
07/25/11 at 16 10 15

TSR Signing Reports 288
R2 - Rush Next Day

drywt

Sample L527312-01 Account XTORNM Received 07/22/11 09 00 Due Date 07/25/11 00 00 RPT Date 07/25/11 16 09



YOUR LAB OF CHOICE

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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< 0005	mg/kg			WG547010	07/22/11 23 38
Ethylbenzene	< 0005	mg/kg			WG547010	07/22/11 23 38
Toluene	< 005	mg/kg			WG547010	07/22/11 23 38
TPH (GC/FID) Low Fraction	< 1	mg/kg			WG547010	07/22/11 23 38
Total Xylene	< 0015	mg/kg			WG547010	07/22/11 23 38
a,a,a-Trifluorotoluene(FID)		% Rec	105 3	59-128	WG547010	07/22/11 23 38
a,a,a-Trifluorotoluene(PID)		% Rec	103 6	54-144	WG547010	07/22/11 23 38
Total Solids	< 1	%			WG546941	07/25/11 10 23
TPH (GC/FID) High Fraction	< 4	ppm			WG547055	07/24/11 06 04
o-Terphenyl		% Rec	71 14	50-150	WG547055	07/24/11 06 04

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	87 0	87 4	0 0801	5	L527312-01	WG546941

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	05	0 0514	103	76-113	WG547010
Ethylbenzene	mg/kg	05	0 0532	106	78-115	WG547010
Toluene	mg/kg	05	0 0531	106	76-114	WG547010
Total Xylene	mg/kg	15	0 155	104	81-118	WG547010
a,a,a-Trifluorotoluene(FID)				102 9	59-128	WG547010
a,a,a-Trifluorotoluene(PID)				98 57	54-144	WG547010
TPH (GC/FID) Low Fraction	mg/kg	5 5	6 08	110	67-135	WG547010
a,a,a-Trifluorotoluene(FID)				100 5	59-128	WG547010
a,a,a-Trifluorotoluene(PID)				101 5	54-144	WG547010
Total Solids	%	50	50 0	100	85-155	WG546941
TPH (GC/FID) High Fraction	ppm	60	50 1	83 5	50-150	WG547055
o-Terphenyl				68 47	50-150	WG547055

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref %Rec				
Benzene	mg/kg	0 0528	0 0514	106	76-113	2 67	WG547010
Ethylbenzene	mg/kg	0 0545	0 0532	109	78-115	2 55	WG547010
Toluene	mg/kg	0 0545	0 0531	109	76-114	2 67	WG547010
Total Xylene	mg/kg	0 160	0 155	107	81-118	2 87	WG547010
a,a,a-Trifluorotoluene(FID)				104 7	59-128		WG547010
a,a,a-Trifluorotoluene(PID)				100 3	54-144		WG547010
TPH (GC/FID) Low Fraction	mg/kg	6 23	6 08	113	67-135	2 53	WG547010
a,a,a-Trifluorotoluene(FID)				101 5	59-128		WG547010
a,a,a-Trifluorotoluene(PID)				104 5	54-144		WG547010
TPH (GC/FID) High Fraction	ppm	50 8	50 1	85 0	50-150	1 50	WG547055
o-Terphenyl				65 45	50-150		WG547055

* 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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Analyte	Units	Matrix Spike				% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV					
Benzene	mg/kg	0 220	0	05		87 9	32-137	L527312-01	WG547010
Ethylbenzene	mg/kg	0 216	0	05		86 5	10-150	L527312-01	WG547010
Toluene	mg/kg	0 231	0	05		92 3	20-142	L527312-01	WG547010
Total Xylene	mg/kg	0 682	0 0110	15		89 4	16-141	L527312-01	WG547010
a,a,a-Trifluorotoluene(FID)						103 7	59-128		WG547010
a,a,a-Trifluorotoluene(PID)						98 98	54-144		WG547010
TPH (GC/FID) Low Fraction	mg/kg	20 0	0	5 5		72 6	55-109	L527312-01	WG547010
a,a,a-Trifluorotoluene(FID)						99 79	59-128		WG547010
a,a,a-Trifluorotoluene(PID)						104 6	54-144		WG547010

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	0 223	0 220	89 2	32-137	1 43	39	L527312-01	WG547010
Ethylbenzene	mg/kg	0 218	0 216	87 1	10-150	0 750	44	L527312-01	WG547010
Toluene	mg/kg	0 226	0 231	90 4	20-142	2 06	42	L527312-01	WG547010
Total Xylene	mg/kg	0 662	0 682	86 8	16-141	2 89	46	L527312-01	WG547010
a,a,a-Trifluorotoluene(FID)				103 7	59-128				WG547010
a,a,a-Trifluorotoluene(PID)				99 66	54-144				WG547010
TPH (GC/FID) Low Fraction	mg/kg	21 8	20 0	79 4	55-109	9 03	20	L527312-01	WG547010
a,a,a-Trifluorotoluene(FID)				101 9	59-128				WG547010
a,a,a-Trifluorotoluene(PID)				106 0	54-144				WG547010

Batch number /Run number / Sample number cross reference

WG547010 R1779410 L527312-01
WG546941 R1781432 L527312-01
WG547055 R1781970 L527312-01

* * 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.

