

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Maddox Gas Com C 1	Facility Type: Gas Well

Surface Owner: Private	Mineral Owner	API No. 30-045-07773
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	27	29 N	10W	875	FSL	850	FWL	San Juan

Latitude: N36*.692440 Longitude: W-107*.877270

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: April 17, 2017
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

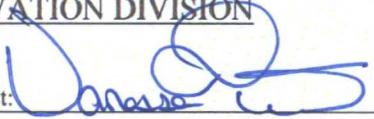
Describe Cause of Problem and Remedial Action Taken.*

The below grade tank was taken out of service at the Maddox Gas Com C 1 well site due to P&A. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 8015 (C6-C40), Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for Benzene, Total BTEX and the chlorides, but above the 'pit rule' standards for TPH, 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 of ground water less than 50 feet, and distance to a water way 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.*

On Monday May 1, 2017 remediation activities occurred on the BGT cellar. The cellar was excavated to a depth of 1.5' where a composite sample was collected, and submitted for laboratory analysis for TPH via USEPA Method 8015 (C6-C40), Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the NMOCD Guidelines for the Remediation of Leaks, Spills, and Releases standards for Benzene, Total BTEX, and TPH. No further action is required for this site. *Attached sample results*

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: 	OIL CONSERVATION DIVISION	
Printed Name: Logan Hixon	Approved by Environmental Specialist: 	
Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: June 6, 2017	Phone: 505-333-3683	

* Attach Additional Sheets If Necessary

NCS1712155828

May 08, 2017

XTO Energy - San Juan Division

Sample Delivery Group: L906190
Samples Received: 05/02/2017
Project Number:
Description: Maddox Gas Com C1

Report To: James McDaniel
382 County Road 3100
Aztec, NM 87410

Entire Report Reviewed By:



Daphne Richards
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



BGT 1.5' COMPOSITE L906190-01 Solid

Collected by
LH

Collected date/time
05/01/17 13:30

Received date/time
05/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG976193	1	05/03/17 15:10	05/03/17 15:24	MLW
Wet Chemistry by Method 9056A	WG975921	1	05/05/17 14:34	05/05/17 23:45	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG977057	.99	05/05/17 14:18	05/06/17 01:12	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG976523	1	05/04/17 12:29	05/04/17 15:12	KLM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Technical Service Representative

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Ai
- 9 Sc

BGT 1.5' COMPOSITE

Collected date/time: 05/01/17 13:30

SAMPLE RESULTS - 01

L906190

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	05/03/2017 15:24	WG976193

1 Cp

2 Tc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	58.8		10.8	1	05/05/2017 23:45	WG975921

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	ND		0.000534	.99	05/06/2017 01:12	WG977057
Toluene	ND		0.00534	.99	05/06/2017 01:12	WG977057
Ethylbenzene	ND		0.000534	.99	05/06/2017 01:12	WG977057
Total Xylene	ND		0.00160	.99	05/06/2017 01:12	WG977057
TPH (GC/FID) Low Fraction	0.754		0.107	.99	05/06/2017 01:12	WG977057
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	91.3		77.0-120		05/06/2017 01:12	WG977057
<i>(S) a,a,a-Trifluorotoluene(PID)</i>	100		75.0-128		05/06/2017 01:12	WG977057

5 Sr

6 Qc

7 Gf

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.31	1	05/04/2017 15:12	WG976523
C28-C40 Oil Range	4.96		4.31	1	05/04/2017 15:12	WG976523
<i>(S) o-Terphenyl</i>	67.2		18.0-148		05/04/2017 15:12	WG976523



Total Solids by Method 2540 G-2011

L906190-01

Method Blank (MB)

(MB) R3215455-1 05/03/17 15:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Solids	0.000300			

L906187-01 Original Sample (OS) • Duplicate (DUP)

(OS) L906187-01 05/03/17 15:24 • (DUP) R3215455-3 05/03/17 15:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Solids	83.1	83.1	1	0.0413		5

Laboratory Control Sample (LCS)

(LCS) R3215455-2 05/03/17 15:24

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

WG975921

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L906190-01

ONE LAB. NATIONWIDE.



Method Blank (MB)

(MB) R3216060-1 05/05/17 15:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		0.795	10.0

L905983-03 Original Sample (OS) • Duplicate (DUP)

(OS) L905983-03 05/05/17 17:45 • (DUP) R3216060-4 05/05/17 18:06

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	602	658	1	9		15

L906257-01 Original Sample (OS) • Duplicate (DUP)

(OS) L906257-01 05/06/17 10:05 • (DUP) R3216060-8 05/06/17 10:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	3380	3390	5	1		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3216060-2 05/05/17 16:20 • (LCSD) R3216060-3 05/05/17 16:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Chloride	200	196	186	98	93	80-120			6	15

L905983-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L905983-04 05/05/17 18:27 • (MS) R3216060-5 05/05/17 18:48 • (MSD) R3216060-6 05/05/17 19:09

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	662	872	1320	1430	68	85	1	80-120	J6	E	8	15

1 Cd

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 Al

9 Sc



Method Blank (MB)

(MB) R3216142-5 05/05/17 17:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000365	J	0.000150	0.00500
Ethylbenzene	0.000191	J	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.6			77.0-120
(S) <i>a,a,a</i> -Trifluorotoluene(PID)	106			75.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3216142-1 05/05/17 15:34 • (LCSD) R3216142-2 05/05/17 15:56

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.0500	0.0505	0.0477	101	95.4	71.0-121			5.73	20
Toluene	0.0500	0.0511	0.0474	102	94.8	72.0-120			7.56	20
Ethylbenzene	0.0500	0.0513	0.0479	103	95.7	76.0-121			6.93	20
Total Xylene	0.150	0.150	0.139	100	92.6	75.0-124			7.95	20
(S) <i>a,a,a</i> -Trifluorotoluene(FID)				97.0	97.6	77.0-120				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)				104	105	75.0-128				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3216142-3 05/05/17 16:18 • (LCSD) R3216142-4 05/05/17 16:40

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	5.77	5.11	105	93.0	70.0-136			12.0	20
(S) <i>a,a,a</i> -Trifluorotoluene(FID)				110	108	77.0-120				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)				117	117	75.0-128				

L906157-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L906157-01 05/05/17 18:32 • (MS) R3216142-8 05/05/17 19:38 • (MSD) R3216142-9 05/05/17 20:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	0.578	0.562	0.543	10.4	10.3	.98	10.0-147			3.43	30
(S) <i>a,a,a</i> -Trifluorotoluene(FID)					89.5	89.0		77.0-120				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)					101	98.5		75.0-128				

1 Cn

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 8015

L906190-01

Method Blank (MB)

(MB) R3215704-1 05/04/17 14:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	64.0			18.0-148

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3215704-2 05/04/17 14:45 • (LCSD) R3215704-3 05/04/17 14:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C10-C28 Diesel Range	60.0	40.5	50.7	67.5	84.5	50.0-150		J3	22.3	20
(S) o-Terphenyl				59.1	68.1	18.0-148				

L906190-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L906190-01 05/04/17 15:12 • (MS) R3215704-4 05/04/17 15:26 • (MSD) R3215704-5 05/04/17 15:40

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	64.7	ND	49.9	50.7	73.6	74.9	1	50.0-150			1.67	20
(S) o-Terphenyl					49.2	50.0		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL (dry)	Reported Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

	Quote Number		Page <u>1</u> of <u>1</u>		Analysis/Container 8015 (ORO, 620, 7020) 8021 (BTEX) Chlorides				Lab Information	
	XTO Contact <i>Logan</i>		XTO Contact Phone # <i>905 386-9018</i>						B027	
	Email Results to: <i>James, Kult, Logan</i>								Office Abbreviations: Farmington = FAR Durango = DUR Bakken = BAK Raton = RAT Piceance = PC Roosevelt = RSV La Barge = LB Orangeville = OV <i>1906190</i>	
Well Site/Location <i>Maddox Gas com c1</i>	API Number		Saturday Delivery (Y/N)							
Collected By <i>LH</i>	Samples on Ice (Y/N)		Turnaround <input checked="" type="checkbox"/> Standard							
Company <i>XTO</i>	Test Reason p+q <i>Bgt Closure Release</i>		<input type="checkbox"/> Next Day <input type="checkbox"/> Two Day <input type="checkbox"/> Three Day <input type="checkbox"/> Same Day							
Signature <i>Joyce Hill</i>	Gray Areas for Lab Use Only!		Date Needed							
Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Sample Number			
<i>Bgt 1.5' composite</i>	<i>Bgt 1.5' comp</i>	<i>S</i>	<i>5-1</i>	<i>1330</i>	<i>COOL</i>	<i>1-402</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>-e1</i>
Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Water = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT										
Relinquished By: (Signature) <i>[Signature]</i>		Date: <i>5/1/17</i>	Time: <i>1420</i>	Received By: (Signature) <i>[Signature]</i>			Number of Bottles		Sample Condition	
Relinquished By: (Signature)		Date:	Time:	<i>7305 8947 4893</i>			Temperature: <i>0.60</i>		Other Information	
Relinquished By: (Signature)		Date:	Time:	Received for Lab by: (Signature) <i>Margaret Malone</i>			Date: <i>5-2-17</i>	Time: <i>0845</i>		
Comments										<i>OK</i>

* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

ESC LAB SCIENCES
Cooler Receipt Form

Client: <i>XTOPNM</i>	SDG#	<i>6906190</i>	
Cooler Received/Opened On: <i>5/ 2 /17</i>	Temperature:	<i>6.6</i>	
Received By: Marina Malone			
Signature: <i>Marina Malone</i>			
Receipt Check List			
	NP	Yes	No
COC Seal Present / Intact?	/		
COC Signed / Accurate?		/	
Bottles arrive intact?		/	
Correct bottles used?		/	
Sufficient volume sent?		/	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			