

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: Kurt Hoekstra
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Mountain Ute Gas Com N # 1	Facility Type: Gas Well (Paradox)
Surface Owner: Tribal Trust or Indian Allotment	Mineral Owner
API No.: 30-045-29865	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	10	32N	14W	655	FNL	520	FEL	San Juan

Latitude 36.92082 Longitude -108.28873

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 5 BBL's	Volume Recovered: 4 BBL's
Source of Release: Pit Tank	Date and Hour of Occurrence: Time: Unknown	Date and Hour of Discovery: 2-26-2018 9:30 am.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? N/A	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

NMOCD

MAR 26 2018

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On 2-26-2018 at 9:30 am an XTO production foreman found water inside the pit tank cellar on the Mountain Ute Gas Com N # 1 location. A water truck was dispatched & recovered 4 barrels of produced water outside of the tank. The spill was contained within the wood cellar and never left location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 10 due to an estimated depth to groundwater of greater than 100 feet, greater than 1000 feet from a water source, and distance to an arroyo at 200 feet to 1000 feet. This set the closure standard to 1000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken. *A release has been confirmed based on an integrity failure of the pit tank. On 3-2-2018 a composite sample was collected from the below grade tank cellar, the results were below standards for this site. A registered below grade tank will be place in the cellar, no further action is required.

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 "Initial 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.

OIL CONSERVATION DIVISION

Signature: <i>Kurt Hoekstra</i>	Approved by Environmental Specialist: <i>[Signature]</i>	
Printed Name: Kurt Hoekstra	Approval Date: 3/30/18	Expiration Date:
Title: EHS Coordinator	Conditions of Approval: _____	
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Attached <input type="checkbox"/>	
Date: 3-20-2018	Phone: 505-333-3100	

* Attach Additional Sheets If Necessary

#NRS 18089 405 58

15

March 12, 2018

XTO Energy - San Juan Division

Sample Delivery Group: L974596
Samples Received: 03/03/2018
Project Number: 30-045-29865
Description: Mountain Ute GC N#1
Site: MOUNTAIN UTE GC N#1
Report To: Kurt Hoekstra
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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ONE LAB. NATIONWIDE.



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MTN UTE GC N#1 L974596-01 Solid

Collected by
Kurt Hoekstra

Collected date/time
03/02/18 12:15

Received date/time
03/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1082552	1	03/09/18 14:30	03/09/18 14:42	JD
Wet Chemistry by Method 9056A	WG1080320	1	03/05/18 14:47	03/05/18 19:17	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1080524	25	03/03/18 16:46	03/05/18 18:06	BMB
Volatile Organic Compounds (GC) by Method 8021B	WG1080816	1	03/03/18 16:46	03/06/18 17:42	BMB
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1082350	5	03/08/18 11:41	03/09/18 17:06	DMW

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, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. 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 Al

⁹ Sc



Collected date/time: 03/02/18 12:15

L974596

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.7		1	03/09/2018 14:42	WG1082552

1 Cp

2 Tc

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	83.9		11.9	1	03/05/2018 19:17	WG1080320

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/8021B/GRO

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00424		0.000597	1	03/06/2018 17:42	WG1080816
TPH (GC/FID) Low Fraction	11.6		2.99	25	03/05/2018 18:06	WG1080524
Toluene	0.00836		0.00597	1	03/06/2018 17:42	WG1080816
Ethylbenzene	0.00224	B	0.000597	1	03/06/2018 17:42	WG1080816
Total Xylene	0.0292		0.00179	1	03/06/2018 17:42	WG1080816
(S) o,o,o-Trifluorotoluene(FID)	98.7		77.0-120		03/05/2018 18:06	WG1080524
(S) o,o,o-Trifluorotoluene(PID)	98.4		75.0-128		03/06/2018 17:42	WG1080816

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	603	J3 V	23.9	5	03/09/2018 17:06	WG1082350
C28-C40 Oil Range	ND		23.9	5	03/09/2018 17:06	WG1082350
(S) o-Terphenyl	99.0		18.0-148		03/09/2018 17:06	WG1082350

WG1082552

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

L974596-01

Method Blank (MB)

(MB) R3292138-1 03/09/18 14:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L974572-05 Original Sample (OS) • Duplicate (DUP)

(OS) L974572-05 03/09/18 14:42 • (DUP) R3292138-3 03/09/18 14:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	90.6	91.2	1	0.623		5

4 Cn

5 Sr

6 Oc

Laboratory Control Sample (LCS)

(LCS) R3292138-2 03/09/18 14:42

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

7 Gl

8 Al

9 Sc

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WG1080320

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L974596-01

ONE LAB. NATIONWIDE.



Method Blank (MB)

(MB) R3290768-1 03/05/18 18:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	1.57	J	0.795	10.0

1 Cp

2 Tc

3 Ss

L974655-02 Original Sample (OS) • Duplicate (DUP)

(OS) L974655-02 03/05/18 19:34 • (DUP) R3290768-4 03/05/18 19:42

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1270	1070	1	16.5	J3	15

4 Cn

5 Sr

6 Oc

L974687-01 Original Sample (OS) • Duplicate (DUP)

(OS) L974687-01 03/06/18 00:26 • (DUP) R3290768-8 03/06/18 00:35

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1540	1600	5	3.80		15

7 GI

8 Al

9 Sc

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

(LCS) R3290768-2 03/05/18 18:43 • (LCSD) R3290768-3 03/05/18 18:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	200	198	197	98.8	98.6	80.0-120			0.158	15

L974668-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L974668-06 03/05/18 20:51 • (MS) R3290768-5 03/05/18 20:59 • (MSD) R3290768-6 03/05/18 21:08

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	512	52.4	605	597	108	106	1	80.0-120			1.30	15

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QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE

Volatile Organic Compounds (GC) by Method 8015D/GRO

L974596-01

Method Blank (MB)

(MB) R3291303-5 03/05/18 12:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,o-Trifluorotoluene(FID)	100			77.0-120

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

(LCS) R3291303-3 03/05/18 11:43 - (LCSD) R3291303-4 03/05/18 12:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.84	4.97	87.9	90.3	70.0-136			2.66	20
(S) a,a,o-Trifluorotoluene(FID)				99.7	100	77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Oc

7 Gl

8 Al

9 Sc

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QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE

Volatile Organic Compounds (GC) by Method 80218

L974596-01

Method Blank (MB)

(MB) R3291264-5 03/06/18 11:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.000178	↓	0.000120	0.000500
Toluene	0.000389	↓	0.000150	0.000500
Ethylbenzene	0.000212	↓	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
(S) α,α,α-Trifluorotoluene(PID)	105			75.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Oc

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

(LCS) R3291264-1 03/06/18 09:54 - (LCSD) R3291264-2 03/06/18 10:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0522	0.0523	104	105	71.0-121			0.148	20
Toluene	0.0500	0.0515	0.0508	103	102	72.0-120			1.37	20
Ethylbenzene	0.0500	0.0507	0.0510	101	102	76.0-121			0.706	20
Total Xylene	0.150	0.150	0.152	100	101	75.0-124			1.06	20
(S) α,α,α-Trifluorotoluene(PID)				102	103	75.0-128				

7 Gl

8 Al

9 Sc

L974613-01 Original Sample (OS) - Matrix Spike (MS) - Matrix Spike Duplicate (MSD)

(OS) L974613-01 03/06/18 18:04 - (MS) R3291264-6 03/06/18 19:33 - (MSD) R3291264-7 03/06/18 19:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.000661	0.0108	0.0180	20.2	34.7	1	10.0-146		J3	50.3	29
Toluene	0.0500	ND	0.0282	0.0343	56.5	68.6	1	10.0-143			19.4	30
Ethylbenzene	0.0500	0.00726	0.0106	0.0126	6.60	10.8	1	10.0-147	J6		17.9	31
Total Xylene	0.150	0.0857	0.236	0.265	100	119	1	10.0-149	J5 J6	J5 J6	11.5	30
(S) α,α,α-Trifluorotoluene(PID)					96.0	96.4		75.0-128				

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Semi-Volatile Organic Compounds (GC) by Method 8015

QUALITY CONTROL SUMMARY

L974596-01

ONE LAB. NATIONWIDE 

Method Blank (MB)

(MB) R3292066-1 03/09/18 16:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	97.5			18.0-148

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

(LCS) R3292066-2 03/09/18 16:36 - (LCSD) R3292066-3 03/09/18 16:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	42.4	41.3	84.8	82.6	50.0-150			2.59	20
(S) o-Terphenyl				96.9	95.5	18.0-148				

L974596-01 Original Sample (OS) - Matrix Spike (MS) - Matrix Spike Duplicate (MSD)

(OS) L974596-01 03/09/18 17:06 - (MS) R3292066-4 03/09/18 17:21 - (MSD) R3292066-5 03/09/18 17:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	59.7	603	699	ND	161	0.000	5	50.0-150	V	J3 V	200	20
(S) o-Terphenyl					125	110		18.0-148				

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

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Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(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.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Qualifier	Description
B	The same analyte is found in the associated blank.
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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ESC LAB SCIENCES
Cooler Receipt Form

Client: XTURNM SDG# L974596

Cooler Received/Opened On: 3/3/18 Temperature: 20

Received By: Branford Shaw

Signature: 

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?			