

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

OIL CONS. DIV DIST. 3

FEB 08 2016

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: Rex Farnsworth	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100	
Facility Name: Hun Ne Pah #1F	Facility Type: Gas Well (Mancos, Dakota)	
Surface Owner: Tribal	Mineral Owner	API No.: 30-045-34292

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	10	25N	11W	660	FNL	1960	FWL	San Juan

Latitude 36.4208709 Longitude -107.994157

NATURE OF RELEASE

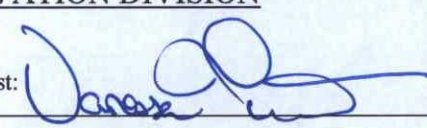
Type of Release: Produced Oil	Volume of Release: 10.5 BBL's	Volume Recovered: 10 BBL's
Source of Release: Stuffing Box on Well Head	Date and Hour of Occurrence: 1/15/2016 Time: Unknown	Date and Hour of Discovery: 1/15/2016 1:53pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> 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.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* On Friday, 1-15-2016 an XTO Lease Operator found the stuffing box on the Hun Ne Pah #1F location leaking from the packing onto the ground. The XTO Lease Operator estimated spill @ 10.5 bbl of produced oil that had been release onto the ground. 10 bbls of produced oil was recovered and the spill 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 greater than 100 feet and an arroyo over 200 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. \* Based on the 10.5 bbl of produced oil that was released with 10 bbl of produced oil recovered by pump truck, the remaining soil impacted around the well head (Stuffing Box) was removed by the construction department. 2.5 yards of impacted soil was taken to IEI for disposal. Sample taken on January 25, 2016 return results of Benzene (ND), BTEX at 0.537 via USEPA Method 8021, TPH of 120 via USEPA Method 8015/3546. Due to sample results returning values below the standards set for this site by the NMOCD Guidelines for Remediation of Leaks, Spills and Releases, 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.

Signature:		OIL CONSERVATION DIVISION	
Printed Name: Rex Farnsworth		Approved by Environmental Specialist: 	
Title: EHS Technician		Approval Date: 2/10/2016	Expiration Date:
E-mail Address: rex_farnsworth@xtoenergy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-4-2016 Phone: 505-333-3100			

\* Attach Additional Sheets If Necessary

NUF1603331450

12



February 01, 2016

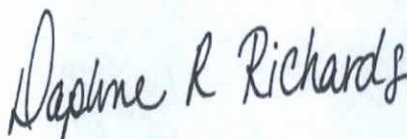
## XTO Energy - San Juan Division

OIL CONS. DIV DIST. 3

Sample Delivery Group: L813715  
Samples Received: 01/26/2016  
Project Number: 30-045-34292  
Description: Spill  
Site: HUN NE PAH #1F  
Report To: Rex Farnsworth  
382 County Road 3100  
Aztec, NM 87410

FEB 08 2016

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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<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



FARRF-012516-1047 L813715-01 Solid

Collected by  
Rex Farnsworth

Collected date/time  
01/25/16 10:47

Received date/time  
01/26/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method 3546/DRO	WG845201	1	01/28/16 01:12	01/28/16 12:44	AAT
Total Solids by Method 2540 G-2011	WG845113	1	01/28/16 09:08	01/29/16 10:55	KDW
Volatile Organic Compounds (GC) by Method 8015/8021	WG845471	25	01/29/16 06:00	01/29/16 11:27	BMB

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> 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

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



Collected date/time: 01/25/16 10:47

L813715

## Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.7		1	01/29/2016 10:55	WG845113

1 Cp

2 Tc

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.0136	25	01/29/2016 11:27	WG845471
Toluene	ND		0.136	25	01/29/2016 11:27	WG845471
Ethylbenzene	0.0700		0.0136	25	01/29/2016 11:27	WG845471
Total Xylene	0.467		0.0409	25	01/29/2016 11:27	WG845471
TPH (GC/FID) Low Fraction	47.5		2.73	25	01/29/2016 11:27	WG845471
(S) a,a,a-Trifluorotoluene(FID)	99.9		59.0-128		01/29/2016 11:27	WG845471
(S) a,a,a-Trifluorotoluene(PID)	100		54.0-144		01/29/2016 11:27	WG845471

3 Ss

4 Cn

Sr

6 Qc

7 Gl

## Semi-Volatile Organic Compounds (GC) by Method 3546/DRO

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	120	J6	4.36	1	01/28/2016 12:44	WG845201
(S) o-Terphenyl	81.3		50.0-150		01/28/2016 12:44	WG845201

8 Al

9 Sc



WG845113

## QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE. 

Total Solids by Method 2540 G-2011

L813715-01

## Method Blank (MB)

(MB) 01/29/16 10:55

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

## L813744-03 Original Sample (OS) • Duplicate (DUP)

(OS) 01/29/16 10:56 • (DUP) 01/29/16 10:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.2	89.3	1	1.33		5

## Laboratory Control Sample (LCS)

(LCS) 01/29/16 10:55

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

Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

XTO Energy - San Juan Division

PROJECT:

30-045-34292

SDG:

L813715

DATE/TIME:

02/01/16 09:08

PAGE:

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WG845471

## QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE. 

Volatile Organic Compounds (GC) by Method 8015/8021

L813715-01

## Method Blank (MB)

(MB) 01/29/16 04:31

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Benzene	ND		0.000500
Toluene	ND		0.00500
Ethylbenzene	ND		0.000500
Total Xylene	ND		0.00150
TPH (GC/FID) Low Fraction	ND		0.100
(S) a,a,a-Trifluorotoluene(FID)	100		59.0-128
(S) a,a,a-Trifluorotoluene(PID)	101		54.0-144

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

(LCS) 01/29/16 02:39 • (LCSD) 01/29/16 03:02

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	0.0434	0.0432	86.8	86.3	70.0-130			0.560	20
Toluene	0.0500	0.0454	0.0440	90.8	88.0	70.0-130			3.09	20
Ethylbenzene	0.0500	0.0473	0.0460	94.5	91.9	70.0-130			2.77	20
Total Xylene	0.150	0.142	0.138	94.6	91.7	70.0-130			3.15	20
(S) a,a,a-Trifluorotoluene(FID)				100	100	59.0-128				
(S) a,a,a-Trifluorotoluene(PID)				99.2	99.5	54.0-144				

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

(LCS) 01/29/16 03:24 • (LCSD) 01/29/16 03:46

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	5.23	5.40	95.0	98.3	63.5-137			3.38	20
(S) a,a,a-Trifluorotoluene(FID)				98.5	97.1	59.0-128				
(S) a,a,a-Trifluorotoluene(PID)				108	108	54.0-144				

## L813715-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/29/16 11:27 • (MS) 01/29/16 11:49 • (MSD) 01/29/16 12:11

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	ND	1.04	1.04	83.0	83.6	25	49.7-127			0.670	23.5



## L813715-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/29/16 11:27 • (MS) 01/29/16 11:49 • (MSD) 01/29/16 12:11

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 %
Toluene	0.0500	0.0225	1.06	1.07	83.0	83.8	25	49.8-132			0.900	23.5
Ethylbenzene	0.0500	0.0642	1.15	1.17	86.8	88.5	25	40.8-141			1.82	23.8
Total Xylene	0.150	0.428	3.59	3.71	84.2	87.5	25	41.2-140			3.36	23.7
(S) a,a,a-Trifluorotoluene(FID)					101	100		59.0-128				
(S) a,a,a-Trifluorotoluene(PID)					99.4	98.9		54.0-144				

## L813715-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/29/16 11:27 • (MS) 01/29/16 12:34 • (MSD) 01/29/16 12:55

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 %
TPH (GC/FID) Low Fraction	5.50	43.6	157	158	82.1	83.0	25	28.5-138			0.720	23.6
(S) a,a,a-Trifluorotoluene(FID)					97.4	98.5		59.0-128				
(S) a,a,a-Trifluorotoluene(PID)					107	107		54.0-144				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



WG845201

## QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE. 

Semi-Volatile Organic Compounds (GC) by Method 3546/DRO

L813715-01

## Method Blank (MB)

(MB) 01/28/16 11:47

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
TPH (GC/FID) High Fraction	ND		4.00
(S) o-Terphenyl	612	J1	50.0-150

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

(LCS) 01/28/16 11:59 • (LCSD) 01/28/16 12:10

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) High Fraction	60.0	49.3	50.2	82.1	83.7	50.0-150			1.92	20
(S) o-Terphenyl				121	140	50.0-150				

## L813715-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 01/28/16 12:44 • (MS) 01/28/16 12:56 • (MSD) 01/28/16 13:07

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 %
TPH (GC/FID) High Fraction	60.0	110	128	119	30.0	14.5	1	50.0-150	J6	J6	7.52	20
(S) o-Terphenyl					90.0	94.8		50.0-150				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Qc

7 Gl

8 Al

9 Sc





## Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,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.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



# ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

## State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee <sup>14</sup>	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

## Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA	100789
A2LA - ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>14</sup> Accreditation not applicable

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc