

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: McKenzie A 2	Facility Type: Gas Well

Surface Owner: Private	Mineral Owner	API No.: 30-045-30545
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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
B	9	30N	12W	1110	FNL	1790	FEL	San Juan

Latitude 36.83153 Longitude -108.10083

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: 22 BBL's	Volume Recovered: 20 BBL's
Source of Release: Pit Tank	Date and Hour of Occurrence: Time: Unknown	Date and Hour of Discovery: September 5, 2017 @ 1300
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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	

OIL CONS. DIV DIST. 3



If a Watercourse was Impacted, Describe Fully.\*

OCT 23 2017

Describe Cause of Problem and Remedial Action Taken. \* On September 5, 2017 an XTO lease operator noticed fluid in the cellar of the BGT. Approximately 22 bbls of produced water was released into the pit cellar. Of the approximate 22 bbls released, 20 bbls were recovered. It was found that the pit tank had an integrity failure and leaked produced water into the pit tank cellar. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 30 due to an estimated depth to groundwater of greater than 50 feet but less than 100 feet, and distance to a drainage of less than 200'. 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 September 13, 2017, excavation of the BGT cellar was completed. Two (2) composite samples were collected, one (1) of the bottom of the excavation, and one (1) of the walls, approximately 20 CY of impacted soil were removed and hauled to an approved disposal. The samples were 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 "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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Logan Hixon	Approved by Environmental Specialist: 	
Title: EHS Coordinator	Approval Date: 11/8/2017	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/25/2017	Phone: 505-333-3100	

\* Attach Additional Sheets If Necessary

NVF 1731231821



## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number:

Samples Received: 9/13/2017 1:25:00PM

Job Number: 98031-0528

Work Order: P709019

Project Name/Location: Mckenzie A #2

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', written over a horizontal line.

Date: 9/15/17

Walter Hinchman, Laboratory Director

A handwritten signature in black ink, appearing to read 'Tim Cain', written over a horizontal line.

Date: 9/15/17

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Mckenzie A #2  
Project Number: 98031-0528  
Project Manager: Otto Naegele

Reported:  
15-Sep-17 12:21

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Walls	P709019-01A	Soil	09/13/17	09/13/17	Glass Jar, 4 oz.
BGT Bottom	P709019-02A	Soil	09/13/17	09/13/17	Glass Jar, 4 oz.

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382 CR 3100  
Aztec NM, 87410

Project Name: Mckenzie A #2  
Project Number: 98031-0528  
Project Manager: Otto Naegele

Reported:  
15-Sep-17 12:21

**BGT Walls**  
**P709019-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %		50-150	1737014	09/13/17	09/13/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1737016	09/14/17	09/14/17	EPA 8015D	
Oil Range Organics (C28-C40+)	68.3	50.0	mg/kg	1	1737016	09/14/17	09/14/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %		50-150	1737014	09/13/17	09/13/17	EPA 8015D	
Surrogate: n-Nonane		98.6 %		50-200	1737016	09/14/17	09/14/17	EPA 8015D	

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Project Name: Mckenzie A #2  
Project Number: 98031-0528  
Project Manager: Otto Naegle

Reported:  
15-Sep-17 12:21

**BGT Bottom**  
**P709019-02 (Solid)**

Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Volatile Organics by EPA 8021</b>								
Benzene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B
Toluene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B
Ethylbenzene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B
p,m-Xylene	ND	0.20	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B
o-Xylene	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B
Total Xylenes	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B
Total BTEX	ND	0.10	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8021B
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %		50-150	1737014	09/13/17	09/13/17	EPA 8021B
<b>Nonhalogenated Organics by 8015</b>								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1737014	09/13/17	09/13/17	EPA 8015D
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1737016	09/14/17	09/14/17	EPA 8015D
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1737016	09/14/17	09/14/17	EPA 8015D
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %		50-150	1737014	09/13/17	09/13/17	EPA 8015D
<i>Surrogate: n-Nonane</i>		91.3 %		50-200	1737016	09/14/17	09/14/17	EPA 8015D

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Aztec NM, 87410

Project Name: Mckenzie A #2  
Project Number: 98031-0528  
Project Manager: Otto Naegele

Reported:  
15-Sep-17 12:21

### Volatiles Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1737014 - Purge and Trap EPA 5030A

##### Blank (1737014-BLK1)

Prepared & Analyzed: 13-Sep-17

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	7.65		"	8.00		95.6	50-150			

##### LCS (1737014-BS1)

Prepared & Analyzed: 13-Sep-17

Benzene	5.15	0.10	mg/kg	5.00		103	70-130			
Toluene	5.06	0.10	"	5.00		101	70-130			
Ethylbenzene	5.05	0.10	"	5.00		101	70-130			
p,m-Xylene	10.0	0.20	"	10.0		100	70-130			
o-Xylene	4.92	0.10	"	5.00		98.4	70-130			
Total Xylenes	14.9	0.10	"	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		"	8.00		96.8	50-150			

##### Matrix Spike (1737014-MS1)

Source: P709019-01

Prepared & Analyzed: 13-Sep-17

Benzene	5.04	0.10	mg/kg	5.00	ND	101	54.3-133			
Toluene	4.95	0.10	"	5.00	ND	99.0	61.4-130			
Ethylbenzene	4.94	0.10	"	5.00	ND	98.9	61.4-133			
p,m-Xylene	9.83	0.20	"	10.0	ND	98.3	63.3-131			
o-Xylene	4.83	0.10	"	5.00	ND	96.6	63.3-131			
Total Xylenes	14.7	0.10	"	15.0	ND	97.7	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.65		"	8.00		95.6	50-150			

##### Matrix Spike Dup (1737014-MSD1)

Source: P709019-01

Prepared & Analyzed: 13-Sep-17

Benzene	5.32	0.10	mg/kg	5.00	ND	106	54.3-133	5.30	20	
Toluene	5.20	0.10	"	5.00	ND	104	61.4-130	5.00	20	
Ethylbenzene	5.20	0.10	"	5.00	ND	104	61.4-133	5.11	20	
p,m-Xylene	10.3	0.20	"	10.0	ND	103	63.3-131	5.02	20	
o-Xylene	5.08	0.10	"	5.00	ND	102	63.3-131	5.08	20	
Total Xylenes	15.4	0.10	"	15.0	ND	103	63.3-131	5.04	20	
Surrogate: 4-Bromochlorobenzene-PID	7.69		"	8.00		96.2	50-150			

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XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: McKenzie A #2  
Project Number: 98031-0528  
Project Manager: Otto Naegele

Reported:  
15-Sep-17 12:21

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1737014 - Purge and Trap EPA 5030A</b>										
<b>Blank (1737014-BLK1)</b>				Prepared & Analyzed: 13-Sep-17						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		"	8.00		93.3	50-150			
<b>LCS (1737014-BS1)</b>				Prepared & Analyzed: 13-Sep-17						
Gasoline Range Organics (C6-C10)	59.0	20.0	mg/kg	60.9		96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		"	8.00		96.5	50-150			
<b>Matrix Spike (1737014-MS1)</b>				Source: P709019-01	Prepared & Analyzed: 13-Sep-17					
Gasoline Range Organics (C6-C10)	56.7	20.0	mg/kg	60.9	ND	93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		"	8.00		94.3	50-150			
<b>Matrix Spike Dup (1737014-MSD1)</b>				Source: P709019-01	Prepared & Analyzed: 13-Sep-17					
Gasoline Range Organics (C6-C10)	58.8	20.0	mg/kg	60.9	ND	96.6	70-130	3.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		"	8.00		93.6	50-150			

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Project Manager: Otto Naegele

Reported:  
15-Sep-17 12:21

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1737016 - DRO Extraction EPA 3570</b>										
<b>Blank (1737016-BLK1)</b>				Prepared & Analyzed: 14-Sep-17						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	49.6		"	50.0		99.2	50-200			
<b>LCS (1737016-BS1)</b>				Prepared & Analyzed: 14-Sep-17						
Diesel Range Organics (C10-C28)	446	25.0	mg/kg	500		89.1	38-132			
Surrogate: n-Nonane	46.7		"	50.0		93.4	50-200			
<b>Matrix Spike (1737016-MS1)</b>				Source: P709019-01		Prepared & Analyzed: 14-Sep-17				
Diesel Range Organics (C10-C28)	474	25.0	mg/kg	500	ND	94.8	38-132			
Surrogate: n-Nonane	46.0		"	50.0		92.1	50-200			
<b>Matrix Spike Dup (1737016-MSD1)</b>				Source: P709019-01		Prepared & Analyzed: 14-Sep-17				
Diesel Range Organics (C10-C28)	475	25.0	mg/kg	500	ND	95.1	38-132	0.287	20	
Surrogate: n-Nonane	43.7		"	50.0		87.5	50-200			

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Project Name: Mckenzie A #2  
Project Number: 98031-0528  
Project Manager: Otto Naegele

Reported:  
15-Sep-17 12:21

#### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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*X Rush X*

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