

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: New Mexico Federal N # 2E	Facility Type: Gas Well (Basin Dakota)
Surface Owner: Federal	Mineral Owner
API No.: 30-045-24243	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	17	30N	12W	1110	FNL	850	FWL	San Juan

Latitude 36.81755 Longitude -108.12680

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: 2 BBL's	Volume Recovered: 2 BBL's
Source of Release: Pit Tank	Date and Hour of Occurrence: Time: Unknown	Date and Hour of Discovery: 2-10-2017 in the afternoon
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.	

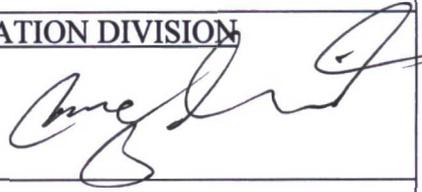
**OIL CONS. DIV DIST. 3**

APR 05 2017

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* On Thursday, 2-9-2017 an XTO lease operator found water inside the pit tank cellar on the New Mexico Federal N # 2E location. The XTO lease operator called a water truck and had two (2) BBLs of produced water removed from the pit cellar and had the pit tank emptied. An XTO construction crew washed the pit tank on Friday 2-10-2017 and found that the pit tank had an integrity failure and leaked produced water into the pit tank cellar. The spill was contained within the wood cellar and never left location. EH&S was notified on Monday 2-13-2017 at approximately 8:00am. EHS sent the 48 hour required notification to the OCD on 2-13-2017 at approximately 2:20 pm. 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 200-1000 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, and two (2) BBLs of produced water removed from the pit tank cellar. The sample results (attached) returned results below regulatory standards, 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Kurt Hoekstra	Approved by Environmental Specialist: 	
Title: EHS Coordinator	Approval Date: 4/12/17	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval: _____	Attached <input type="checkbox"/>
Date: 2-22-2017	Phone: 505-333-3100	

\* Attach Additional Sheets If Necessary

#Wes 1710239315

10



## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 1028

Samples Received: 2/17/2017 12:39:00PM

Job Number: 98031-0528

Work Order: P702027

Project Name/Location: New Mexico Federal N  
#2E

Report Reviewed By:

Date: 2/22/17

Walter Hinchman, Laboratory Director

Date: 2/22/17

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: New Mexico Federal N #2E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 22-Feb-17 13:48
---	--	------------------------------

**Analytical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P702027-01A	Soil	02/17/17	02/17/17	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: New Mexico Federal N #2E Project Number: 98031-0528 Project Manager: Kurt Hockstra	Reported: 22-Feb-17 13:48
---	--	------------------------------

**BGT Cellar  
P702027-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	0.41	0.10	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8021B	
Toluene	2.02	0.10	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8021B	
Ethylbenzene	0.88	0.10	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8021B	
p,m-Xylene	8.95	0.20	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8021B	
o-Xylene	2.90	0.10	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8021B	
Total Xylenes	11.9	0.10	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8021B	
Total BTEX	15.2	0.10	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		120 %		50-150	1707022	02/17/17	02/17/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	104	20.0	mg/kg	1	1707022	02/17/17	02/17/17	EPA 8015D	
Diesel Range Organics (C10-C28)	523	25.0	mg/kg	1	1708003	02/20/17	02/22/17	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1708003	02/20/17	02/22/17	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %		50-150	1707022	02/17/17	02/17/17	EPA 8015D	
<i>Surrogate: n-Nonane</i>		138 %		50-200	1708003	02/20/17	02/22/17	EPA 8015D	
<b>Cation/Anion Analysis</b>									
Chloride	1110	20.0	mg/kg	1	1708001	02/20/17	02/21/17	EPA 300.0	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: New Mexico Federal N #2E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 22-Feb-17 13:48
---	--	------------------------------

**Volatile 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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1707022 - Purge and Trap EPA 5030A**

Blank (1707022-BLK1)				Prepared & Analyzed: 17-Feb-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	7.92		"	8.00		99.0	50-150			

LCS (1707022-BS1)				Prepared & Analyzed: 17-Feb-17						
Benzene	5.62	0.10	mg/kg	5.00		113	70-130			
Toluene	5.59	0.10	"	5.00		112	70-130			
Ethylbenzene	5.63	0.10	"	5.00		113	70-130			
p,m-Xylene	11.4	0.20	"	10.0		114	70-130			
o-Xylene	5.46	0.10	"	5.00		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.04		"	8.00		101	50-150			

Matrix Spike (1707022-MS1)				Source: P702027-01		Prepared: 17-Feb-17 Analyzed: 18-Feb-17				
Benzene	5.51	0.10	mg/kg	5.00	0.41	102	54.3-133			
Toluene	6.81	0.10	"	5.00	2.02	96.0	61.4-130			
Ethylbenzene	5.96	0.10	"	5.00	0.88	102	61.4-133			
p,m-Xylene	17.8	0.20	"	10.0	8.95	88.7	63.3-131			
o-Xylene	7.50	0.10	"	5.00	2.90	92.1	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	9.48		"	8.00		118	50-150			

Matrix Spike Dup (1707022-MSD1)				Source: P702027-01		Prepared: 17-Feb-17 Analyzed: 18-Feb-17				
Benzene	5.69	0.10	mg/kg	5.00	0.41	106	54.3-133	3.17	20	
Toluene	6.90	0.10	"	5.00	2.02	97.7	61.4-130	1.24	20	
Ethylbenzene	6.16	0.10	"	5.00	0.88	106	61.4-133	3.16	20	
p,m-Xylene	17.9	0.20	"	10.0	8.95	89.5	63.3-131	0.475	20	
o-Xylene	7.61	0.10	"	5.00	2.90	94.2	63.3-131	1.41	20	
Surrogate: 4-Bromochlorobenzene-PID	9.55		"	8.00		119	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com  
laboratory@envirotech-inc.com

XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: New Mexico Federal N #2E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 22-Feb-17 13:48
---	--	------------------------------

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1707022 - Purge and Trap EPA 5030A**

<b>Blank (1707022-BLK1)</b>		Prepared & Analyzed: 17-Feb-17								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		"	8.00		96.7	50-150			

<b>LCS (1707022-BS1)</b>		Prepared & Analyzed: 17-Feb-17								
Gasoline Range Organics (C6-C10)	58.1	20.0	mg/kg	60.9		95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		"	8.00		89.1	50-150			

<b>Matrix Spike (1707022-MS1)</b>		Source: P702027-01		Prepared: 17-Feb-17 Analyzed: 18-Feb-17						
Gasoline Range Organics (C6-C10)	155	20.0	mg/kg	60.9	104	82.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		"	8.00		96.2	50-150			

<b>Matrix Spike Dup (1707022-MSD1)</b>		Source: P702027-01		Prepared: 17-Feb-17 Analyzed: 18-Feb-17						
Gasoline Range Organics (C6-C10)	146	20.0	mg/kg	60.9	104	68.3	70-130	5.79	20	SPK 1
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		"	8.00		92.5	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: New Mexico Federal N #2E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 22-Feb-17 13:48
---	--	------------------------------

**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 1708003 - DRO Extraction EPA 3570</b>										
<b>Blank (1708003-BLK1)</b> Prepared: 20-Feb-17 Analyzed: 22-Feb-17										
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	40.1		"	50.0		80.3	50-200			
<b>LCS (1708003-BS1)</b> Prepared: 20-Feb-17 Analyzed: 22-Feb-17										
Diesel Range Organics (C10-C28)	474	25.0	mg/kg	500		94.9	38-132			
Surrogate: n-Nonane	40.4		"	50.0		80.7	50-200			
<b>Matrix Spike (1708003-MS1)</b> Source: P702026-02 Prepared: 20-Feb-17 Analyzed: 22-Feb-17										
Diesel Range Organics (C10-C28)	507	25.0	mg/kg	500	ND	101	38-132			
Surrogate: n-Nonane	41.7		"	50.0		83.4	50-200			
<b>Matrix Spike Dup (1708003-MSD1)</b> Source: P702026-02 Prepared: 20-Feb-17 Analyzed: 22-Feb-17										
Diesel Range Organics (C10-C28)	503	25.0	mg/kg	500	ND	101	38-132	0.798	20	
Surrogate: n-Nonane	43.9		"	50.0		87.7	50-200			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: New Mexico Federal N #2E Project Number: 98031-0528 Project Manager: Kurt Hoekstra	Reported: 22-Feb-17 13:48
---	--	------------------------------

**Cation/Anion Analysis - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1708001 - Anion Extraction EPA 300.0</b>										
<b>Blank (1708001-BLK1)</b> Prepared: 20-Feb-17 Analyzed: 21-Feb-17										
Chloride	ND	20.0	mg/kg							
<b>LCS (1708001-BS1)</b> Prepared: 20-Feb-17 Analyzed: 21-Feb-17										
Chloride	514	20.0	mg/kg	500	1100	103	90-110			
<b>Matrix Spike (1708001-MS1)</b> Source: P702027-01 Prepared: 20-Feb-17 Analyzed: 21-Feb-17										
Chloride	1570	20.0	mg/kg	500	1110	92.5	80-120			
<b>Matrix Spike Dup (1708001-MSD1)</b> Source: P702027-01 Prepared: 20-Feb-17 Analyzed: 21-Feb-17										
Chloride	1560	20.0	mg/kg	500	1110	89.9	80-120	0.840	20	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



XTO Energy Inc.	Project Name:	New Mexico Federal N #2E	
382 CR 3100	Project Number:	98031-0528	Reported:
Aztec NM, 87410	Project Manager:	Kurt Hoekstra	22-Feb-17 13:48

**Notes and Definitions**

- SPK1 The spike recovery is outside of quality control limits.
- 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

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com  
laboratory@envirotech-inc.com

