

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.
SEP 08 2017

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: Canyon 19H	Facility Type: Gas well

Surface Owner: BLM	Mineral Owner: BLM	API No. 30-045-35387
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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
I	2	25 N	11W	1736	FSL	417	FEL	San Juan

Latitude: N36.427325 Longitude: W-108.965561

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Approximately 24 bbl.	Volume Recovered: 1 bbl. Recovered
Source of Release: produced water flow line between separator and above ground storage tank	Date and Hour of Occurrence: August 18, 2017 at Unknown Time	Date and Hour of Discovery: April 18, 2017 at 1130
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.* On August 18, 2017, a water leak was discovered at the Canyon 19H produced water line between the separator and above ground production tank. An estimated (24) twenty-four bbl. of produced water leaked the flowline under the surface, (1) one bbl. was recovered. The produced water stayed on location and was approximately 16' in length under the surface approximately 3' in depth at the deepest point. The site was ranked a 30 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The distance to a waterway is estimated to be less than 200 feet, and groundwater is estimated to be less than 100' in depth. This set the regulatory limits to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.
Describe Area Affected and Cleanup Action Taken.* On August 18, 2017, a sample was collected at the source of the release. The sample was analyzed for DRO/GRO via USEPA Method 8015, BTEX via USEPA Method 8021, and for chlorides. The samples returned results below all regulatory standards determined for this location. On August 23, 2017, NMOCD approved of the gypsum application to the release area. On August 23, 2017, approximately 150 pounds of gypsum was raked into the release area following BLM specification. The sample results are attached for your reference. 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 "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: 10/12/17	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: August 31, 2017	Phone: 505-333-3683	

* Attach Additional Sheets If Necessary

NVF172854048 OIL CONS. DIV DIST. 3

SEP 08 2017

12

Hixon, Logan

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Wednesday, August 23, 2017 7:43 AM
To: Hixon, Logan; Fields, Vanessa, EMNRD; Powell, Brandon, EMNRD; Thomas, Leigh (l1thomas@blm.gov)
Cc: McDaniel, James; Hoekstra, Kurt; Naegele, Otto; Weaver, John; Percell, Bob; Dawes, Thomas; Logan, Michael; Nee, Martin; Gusdorf, Matthew; Montoya, Sam
Subject: RE: Canyon 19H (API 30-045-35387)
Categories: External Sender

Logan,

OCD has reviewed XTO request for alternative closure standards, and has denied the alternative closure standards.

XTO can apply gypsum and as per the BLM specifications and rake the areas that exceeded 1,000 mg/kg or background levels whichever is highest.

XTO can also propose an alternative remediation.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Hixon, Logan [mailto:Logan_Hixon@xtoenergy.com]
Sent: Tuesday, August 22, 2017 6:22 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Thomas, Leigh (l1thomas@blm.gov) <l1thomas@blm.gov>
Cc: McDaniel, James <James_McDaniel@xtoenergy.com>; Hoekstra, Kurt <Kurt_Hoekstra@xtoenergy.com>; Naegele, Otto <Otto_Naegele@xtoenergy.com>; Weaver, John <John_Weaver@xtoenergy.com>; Percell, Bob <Bob_Percell@xtoenergy.com>; Dawes, Thomas <Thomas_Dawes@xtoenergy.com>; Logan, Michael <Michael_Logan@xtoenergy.com>; Nee, Martin <Martin_Nee@xtoenergy.com>; Gusdorf, Matthew <Matthew_Gusdorf@xtoenergy.com>; Montoya, Sam <Sam_Montoya@xtoenergy.com>
Subject: Canyon 19H (API 30-045-35387)

Hello All,

This is to notify you of a release on the Canyon 19H location. On August 18, 2017 it was discovered that the water flow line between the separator and the above grade production tank had failed. Approximately (24) twenty-four barrels of fluids were released below ground surface, with (1) one barrel being recovered. On August 18, 2017 (1) one sample was collected from the impacted area. The sample collected was analyzed for TPH (DRO/GRO/MRO) via USEPA method 8015, BTEX via USEPA method 8021, and chlorides.

The site was ranked a 30 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases due to distance to surface water less than 200 feet, and an estimated depth to groundwater greater than 50 feet but less than 100 feet (Estimated to be 90 feet). This will set the closure standards to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX. The sample returned results below the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases standards for all constituents, with the sample returning non-detect for BTEX, 58.4 ppm TPH (MRO), and 3150 ppm Chlorides (*attached*).

We would like to propose an alternative closure standard for this site due to the depth to groundwater being less than (100) one hundred feet.

The proposed alternative closure standard requested for this site is 100 mg/kg TPH (DRO/GRO/MRO), 10 mg/kg Benzene, 50 mg/kg total BTEX, and 10,000 mg/kg chlorides.

The replacement of the line is tentatively scheduled for Wednesday August 23, 2017. We would like to have approval of the proposed closure standards before beginning the work, to be the most efficient with our time on site.

Thank you for your consideration and if you have any questions do not hesitate to contact us at any time.

If you have any questions do not hesitate to contact us.

Thank You!

EHS Coordinator

Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Cell: 505-386 8018 |

Home: 505-320-6133 | Logan_Hixon@xtoenergy.com

XTO ENERGY INC., an ExxonMobil subsidiary

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Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number:

Samples Received: 8/18/2017 3:55:00PM

Job Number: 98031-0528

Work Order: P708056

Project Name/Location: Canyon 19H

Report Reviewed By:

Date: 8/22/17

Walter Hinchman, Laboratory Director

Date: 8/22/17

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: Canyon 19H Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 22-Aug-17 15:08
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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Release Point	P708056-01A	Soil	08/18/17	08/18/17	Glass Jar, 4 oz.

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**Release Point
P708056-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %		50-150	1734004	08/21/17	08/21/17	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1734004	08/21/17	08/21/17	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1734002	08/21/17	08/21/17	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1734002	08/21/17	08/21/17	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %		50-150	1734004	08/21/17	08/21/17	EPA 8015D	
<i>Surrogate: n-Nonane</i>		104 %		50-200	1734002	08/21/17	08/21/17	EPA 8015D	
Anions by 300.0									
Chloride	3150	20.0	mg/kg	1	1734003	08/21/17	08/21/17	EPA 300.0	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Canyon 19H Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 22-Aug-17 15:08
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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
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Batch 1734004 - Purge and Trap EPA 5030A

Blank (1734004-BLK1)

Prepared & Analyzed: 21-Aug-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	7.71		"	8.00		96.4	50-150			

LCS (1734004-BS1)

Prepared & Analyzed: 21-Aug-17

Benzene	4.69	0.10	mg/kg	5.00		93.9	70-130			
Toluene	4.67	0.10	"	5.00		93.4	70-130			
Ethylbenzene	4.65	0.10	"	5.00		93.0	70-130			
p,m-Xylene	9.26	0.20	"	10.0		92.7	70-130			
o-Xylene	4.54	0.10	"	5.00		90.9	70-130			
Total Xylenes	13.8	0.10	"	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		"	8.00		96.7	50-150			

Matrix Spike (1734004-MS1)

Source: P708052-01

Prepared & Analyzed: 21-Aug-17

Benzene	4.64	0.10	mg/kg	5.00	ND	92.9	54.3-133			
Toluene	4.60	0.10	"	5.00	ND	92.0	61.4-130			
Ethylbenzene	4.60	0.10	"	5.00	ND	92.0	61.4-133			
p,m-Xylene	9.14	0.20	"	10.0	ND	91.5	63.3-131			
o-Xylene	4.50	0.10	"	5.00	ND	90.0	63.3-131			
Total Xylenes	13.6	0.10	"	15.0	ND	91.0	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.78		"	8.00		97.2	50-150			

Matrix Spike Dup (1734004-MSD1)

Source: P708052-01

Prepared & Analyzed: 21-Aug-17

Benzene	4.52	0.10	mg/kg	5.00	ND	90.5	54.3-133	2.66	20	
Toluene	4.48	0.10	"	5.00	ND	89.6	61.4-130	2.64	20	
Ethylbenzene	4.47	0.10	"	5.00	ND	89.5	61.4-133	2.70	20	
p,m-Xylene	8.90	0.20	"	10.0	ND	89.0	63.3-131	2.75	20	
o-Xylene	4.38	0.10	"	5.00	ND	87.6	63.3-131	2.74	20	
Total Xylenes	13.3	0.10	"	15.0	ND	88.5	63.3-131	2.75	20	
Surrogate: 4-Bromochlorobenzene-PID	7.79		"	8.00		97.4	50-150			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Canyon 19H Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 22-Aug-17 15:08
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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 1734002 - DRO Extraction EPA 3570										
Blank (1734002-BLK1) Prepared & Analyzed: 21-Aug-17										
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	58.7		"	50.0		117	50-200			
LCS (1734002-BS1) Prepared & Analyzed: 21-Aug-17										
Diesel Range Organics (C10-C28)	465	25.0	mg/kg	500	ND	92.9	38-132			
Surrogate: n-Nonane	50.4		"	50.0		101	50-200			
Matrix Spike (1734002-MS1) Source: P708052-01 Prepared & Analyzed: 21-Aug-17										
Diesel Range Organics (C10-C28)	499	25.0	mg/kg	500	ND	99.8	38-132			
Surrogate: n-Nonane	49.9		"	50.0		99.8	50-200			
Matrix Spike Dup (1734002-MSD1) Source: P708052-01 Prepared & Analyzed: 21-Aug-17										
Diesel Range Organics (C10-C28)	497	25.0	mg/kg	500	ND	99.4	38-132	0.377	20	
Surrogate: n-Nonane	51.3		"	50.0		103	50-200			

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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 1734004 - Purge and Trap EPA 5030A										
Blank (1734004-BLK1)				Prepared & Analyzed: 21-Aug-17						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		"	8.00		97.0	50-150			
LCS (1734004-BS1)				Prepared & Analyzed: 21-Aug-17						
Gasoline Range Organics (C6-C10)	54.9	20.0	mg/kg	60.9		90.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		"	8.00		97.5	50-150			
Matrix Spike (1734004-MS1)				Source: P708052-01		Prepared & Analyzed: 21-Aug-17				
Gasoline Range Organics (C6-C10)	54.8	20.0	mg/kg	60.9	ND	90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		"	8.00		99.1	50-150			
Matrix Spike Dup (1734004-MSD1)				Source: P708052-01		Prepared & Analyzed: 21-Aug-17				
Gasoline Range Organics (C6-C10)	53.5	20.0	mg/kg	60.9	ND	87.8	70-130	2.40	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		"	8.00		99.4	50-150			

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Anions by 300.0 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1734003 - Anion Extraction EPA 300.0										
Blank (1734003-BLK1) Prepared & Analyzed: 21-Aug-17										
Chloride	ND	20.0	mg/kg							
LCS (1734003-BS1) Prepared & Analyzed: 21-Aug-17										
Chloride	259	20.0	mg/kg	250		104	90-110			
Matrix Spike (1734003-MS1) Source: P708056-01 Prepared & Analyzed: 21-Aug-17										
Chloride	3510	20.0	mg/kg	250	3150	145	80-120			SPK2
Matrix Spike Dup (1734003-MSD1) Source: P708056-01 Prepared & Analyzed: 21-Aug-17										
Chloride	3390	20.0	mg/kg	250	3150	97.5	80-120	3.42	20	

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Notes and Definitions

- SPK2 The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to native analyte concentration at 4 times or greater than the spike concentration.
- 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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