

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 15 2018

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: Martin Gas Com B 1F	Facility Type: Gas Well

Surface Owner: Federal	Mineral Owner	API No.: 30-045-34091
------------------------	---------------	-----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	31	28N	10W	1740	FNL	1190	FEL	San Juan

Latitude 36.83153 Longitude -108.10083

NATURE OF RELEASE


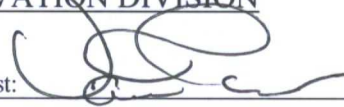
Type of Release: Produced Water	Volume of Release: 52 BBL's	Volume Recovered: 20 BBL's
Source of Release: Pit Tank	Date and Hour of Occurrence: Time: Unknown	Date and Hour of Discovery: 12/21/2017 @1300
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith/Vanessa Fields/Leigh Thomas (BLM), Brandon Powell (NMOCD)	
By Whom? Logan Hixon	Date and Hour: 12/22/2017-0809	
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 December 21, 2017 an XTO lease operator noticed fluid in the cellar of the BGT. Approximately 52 bbls of produced water was released into the pit cellar. Of the approximate 52 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 20 due to a 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. NMOCD/BLM were notified on 12/22/2017, and follow up actions proceeded.

Describe Area Affected and Cleanup Action Taken.* On 1/30/2018, excavation of the impacted material began. The extent of the excavation was 17' X 14' x 9' deep. Composite samples were collected from the four walls, and the bottom for a total of (5) five samples collected. The samples were analyzed via USEPA method 8015 (DRO/GRO/ORO), 8021 (BTEX), and total chlorides. The samples returned results below regulatory standards for the north, east, west, and bottom samples. The sample collected from the south wall was elevated, and an alternative closure standard was requested for the south wall as the constituent that was elevated was all oil range organics that is considered in-mobile. Approval was granted (attached). No further action is required for this site. (sample results attached)

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: Logan Hixon	Approved by Environmental Specialist: 	
Title: EHS Coordinator	Approval Date: 2/23/18	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2/5/2018	Phone: 505-333-3100	

* Attach Additional Sheets If Necessary

NCS1803042916

18



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number:

Samples Received: 1/30/2018 12:20:00PM

Job Number: 98031-0528

Work Order: P801047

Project Name/Location: Martin Gas Com B1F

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman'.

Date: 2/1/18

Walter Hinchman, Laboratory Director

A handwritten signature in black ink, appearing to read 'Tim Cain'.

Date: 2/1/18

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: Martin Gas Com B1F
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Wall	P801047-01A	Soil	01/30/18	01/30/18	Glass Jar, 4 oz.
East Wall	P801047-02A	Soil	01/30/18	01/30/18	Glass Jar, 4 oz.
Bottom	P801047-03A	Soil	01/30/18	01/30/18	Glass Jar, 4 oz.
West Wall	P801047-04A	Soil	01/30/18	01/30/18	Glass Jar, 4 oz.
South Wall	P801047-05A	Soil	01/30/18	01/30/18	Glass Jar, 4 oz.

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com B1F
 Project Number: 98031-0528
 Project Manager: Otto Naegele

 Reported:
 01-Feb-18 14:22

North Wall
P801047-01 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %		50-150	1805013	01/30/18	01/30/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1805013	01/30/18	01/30/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %		50-150	1805013	01/30/18	01/30/18	EPA 8015D	
Surrogate: n-Nonane		89.0 %		50-200	1805014	01/31/18	01/31/18	EPA 8015D	
Anions by 300.0									
Chloride	43.1	20.0	mg/kg	1	1805012	01/30/18	01/30/18	EPA 300.0	

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com BIF
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

East Wall
P801047-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %		50-150	1805013	01/30/18	01/30/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1805013	01/30/18	01/30/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %		50-150	1805013	01/30/18	01/30/18	EPA 8015D	
Surrogate: n-Nonane		91.5 %		50-200	1805014	01/31/18	01/31/18	EPA 8015D	
Anions by 300.0									
Chloride	ND	20.0	mg/kg	1	1805012	01/30/18	01/30/18	EPA 300.0	

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com B1F
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

Bottom
P801047-03 (Solid)

Report									
Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %		50-150	1805013	01/30/18	01/30/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1805013	01/30/18	01/30/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %		50-150	1805013	01/30/18	01/30/18	EPA 8015D	
Surrogate: n-Nonane		94.7 %		50-200	1805014	01/31/18	01/31/18	EPA 8015D	
Anions by 300.0									
Chloride	93.0	20.0	mg/kg	1	1805012	01/30/18	01/30/18	EPA 300.0	

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com B1F
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

West Wall
P801047-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %		50-150	1805013	01/30/18	01/30/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1805013	01/30/18	01/30/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %		50-150	1805013	01/30/18	01/30/18	EPA 8015D	
Surrogate: n-Nonane		83.3 %		50-200	1805014	01/31/18	01/31/18	EPA 8015D	
Anions by 300.0									
Chloride	68.2	20.0	mg/kg	1	1805012	01/30/18	01/30/18	EPA 300.0	

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com B1F
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

South Wall
P801047-05 (Solid)

Analyte	Reporting							
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics by EPA 8021								
Benzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B
Toluene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B
Ethylbenzene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B
p,m-Xylene	ND	200	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B
o-Xylene	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B
Total Xylenes	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B
Total BTEX	ND	100	ug/kg	1	1805013	01/30/18	01/30/18	EPA 8021B
Surrogate: 4-Bromochlorobenzene-PID		97.6 %		50-150	1805013	01/30/18	01/30/18	EPA 8021B
Nonhalogenated Organics by 8015								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1805013	01/30/18	01/30/18	EPA 8015D
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D
Oil Range Organics (C28-C40+)	255	50.0	mg/kg	1	1805014	01/31/18	01/31/18	EPA 8015D
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %		50-150	1805013	01/30/18	01/30/18	EPA 8015D
Surrogate: n-Nonane		82.8 %		50-200	1805014	01/31/18	01/31/18	EPA 8015D
Anions by 300.0								
Chloride	29.3	20.0	mg/kg	1	1805012	01/30/18	01/30/18	EPA 300.0

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

5796 US Highway 64, Farmington, NM 87401
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865
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: Martin Gas Com B1F
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

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 1805013 - Purge and Trap EPA 5030A

Blank (1805013-BLK1)

Prepared & Analyzed: 30-Jan-18

Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	7490		"	8000		93.6	50-150			

LCS (1805013-BS1)

Prepared & Analyzed: 30-Jan-18

Benzene	5180	100	ug/kg	5000		104	70-130			
Toluene	5090	100	"	5000		102	70-130			
Ethylbenzene	5120	100	"	5000		102	70-130			
p,m-Xylene	10200	200	"	10000		102	70-130			
o-Xylene	5010	100	"	5000		100	70-130			
Total Xylenes	15200	100	"	15000		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7570		"	8000		94.6	50-150			

Matrix Spike (1805013-MS1)

Source: P801047-01

Prepared & Analyzed: 30-Jan-18

Benzene	4950	100	ug/kg	5000	ND	99.0	54.3-133			
Toluene	4880	100	"	5000	ND	97.6	61.4-130			
Ethylbenzene	4920	100	"	5000	ND	98.4	61.4-133			
p,m-Xylene	9810	200	"	10000	ND	98.1	63.3-131			
o-Xylene	4820	100	"	5000	ND	96.4	63.3-131			
Total Xylenes	14600	100	"	15000	ND	97.6	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7700		"	8000		96.2	50-150			

Matrix Spike Dup (1805013-MSD1)

Source: P801047-01

Prepared & Analyzed: 30-Jan-18

Benzene	4880	100	ug/kg	5000	ND	97.7	54.3-133	1.26	20	
Toluene	4800	100	"	5000	ND	96.1	61.4-130	1.48	20	
Ethylbenzene	4840	100	"	5000	ND	96.8	61.4-133	1.66	20	
p,m-Xylene	9650	200	"	10000	ND	96.5	63.3-131	1.63	20	
o-Xylene	4750	100	"	5000	ND	95.0	63.3-131	1.50	20	
Total Xylenes	14400	100	"	15000	ND	96.0	63.3-131	1.59	20	
Surrogate: 4-Bromochlorobenzene-PID	7770		"	8000		97.1	50-150			

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com B1F
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

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 1805013 - Purge and Trap EPA 5030A										
Blank (1805013-BLK1)				Prepared & Analyzed: 30-Jan-18						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		"	8.00		98.0	50-150			
LCS (1805013-BS2)				Prepared & Analyzed: 30-Jan-18						
Gasoline Range Organics (C6-C10)	50.7	20.0	mg/kg	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		"	8.00		97.8	50-150			
Matrix Spike (1805013-MS2)				Source: P801047-01	Prepared & Analyzed: 30-Jan-18					
Gasoline Range Organics (C6-C10)	48.6	20.0	mg/kg	50.0	ND	97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		"	8.00		99.4	50-150			
Matrix Spike Dup (1805013-MSD2)				Source: P801047-01	Prepared & Analyzed: 30-Jan-18					
Gasoline Range Organics (C6-C10)	49.8	20.0	mg/kg	50.0	ND	99.6	70-130	2.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		"	8.00		99.2	50-150			

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com B1F Project Number: 98031-0528 Project Manager: Otto Naegle	Reported: 01-Feb-18 14:22
---------------------------------------------------	------------------------------------------------------------------------------------------------	------------------------------

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 1805014 - DRO Extraction EPA 3570

Blank (1805014-BLK1)

Prepared & Analyzed: 31-Jan-18

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	50.7		"	50.0		101	50-200			

LCS (1805014-BS1)

Prepared & Analyzed: 31-Jan-18

Diesel Range Organics (C10-C28)	549	25.0	mg/kg	500		110	38-132			
Surrogate: n-Nonane	42.7		"	50.0		85.3	50-200			

Matrix Spike (1805014-MS1)

Source: P801047-01

Prepared & Analyzed: 31-Jan-18

Diesel Range Organics (C10-C28)	519	25.0	mg/kg	500	ND	104	38-132			
Surrogate: n-Nonane	44.9		"	50.0		89.7	50-200			

Matrix Spike Dup (1805014-MSD1)

Source: P801047-01

Prepared & Analyzed: 31-Jan-18

Diesel Range Organics (C10-C28)	532	25.0	mg/kg	500	ND	106	38-132	2.40	20	
Surrogate: n-Nonane	41.0		"	50.0		82.1	50-200			

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: Martin Gas Com B1F Project Number: 98031-0528 Project Manager: Otto Naegele	Reported: 01-Feb-18 14:22
---------------------------------------------------	-------------------------------------------------------------------------------------------------	------------------------------

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 1805012 - Anion Extraction EPA 300.0/9056A										
Blank (1805012-BL.K1)				Prepared & Analyzed: 30-Jan-18						
Chloride	ND	20.0	mg/kg							
LCS (1805012-BS1)				Prepared & Analyzed: 30-Jan-18						
Chloride	254	20.0	mg/kg	250		101	90-110			
Matrix Spike (1805012-MS1)				Source: P801026-01 Prepared & Analyzed: 30-Jan-18						
Chloride	1060	20.0	mg/kg	250	788	109	80-120			
Matrix Spike Dup (1805012-MSD1)				Source: P801026-01 Prepared & Analyzed: 30-Jan-18						
Chloride	1050	20.0	mg/kg	250	788	106	80-120	0.575	20	

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

5796 US Highway 64, Farmington, NM 87401

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

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

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: Martin Gas Com BIF
Project Number: 98031-0528
Project Manager: Otto Naegele

Reported:
01-Feb-18 14:22

Notes and Definitions

CON01 Improper thermal preservation
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
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
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865
Ph (970) 259-0615 Fx (800) 362-1879

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

Project Information

** Next Day Rush **

Chain of Custody

Page 1 of 13

Client: XtoEnergy
 Project: Martin Gas Com BIF
 Project Manager: Otto Naegle
 Address: 382 Rd 3100
 City, State, Zip: Aztec, NM 87410
 Phone: 505-333-3100
 Email: Otto.Naegle@Xtoenergy.com

Report Attention
 Report due by: Next Day Rush
 Attention: Otto
 Address: 382 Rd 3100
 City, State, Zip: Aztec, NM 87410
 Phone: 505-333-3100
 Email: Otto.Naegle@Xtoenergy.com

Lab Use Only
 Lab WO# PP01047 Job Number
 TAT 1D 3D ☒ ☐ ☐
 EPA Program RCRA CWA SDWA

Analysis and Method
 DRO/ORO by 8015 ☒ GRO/DRO by 8015 ☒ BTEX by 8021 ☒ VOC by 8260 ☒ Metals 6010 ☒ Chloride 300.0 ☒ TPH 418.1 ☒
 State NM CO UT AZ ☒ ☐ ☐ ☐

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
10:00AM	1/30/18	Soil	1	North wall	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
10:15AM	1/30/18	Soil	1	East wall	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
11:10AM	1/30/18	Soil	1	Bottom	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
11:15AM	1/30/18	Soil	1	West wall	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
11:30AM	1/30/18	Soil	1	South wall	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Otto Naegle

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) Otto Naegle

Date

1/30/18

Time

12:20pmReceived by: (Signature) [Signature]

Date

1/30/18

Time

12:14

Lab Use Only

Received on ice: Y/N

T1

T2

T3

AVG Temp °C 23.1

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Hixon, Logan

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, February 01, 2018 7:42 AM
To: Hixon, Logan; Powell, Brandon, EMNRD; Fields, Vanessa, EMNRD; Thomas, Leigh (l1thomas@blm.gov)
Cc: Hoekstra, Kurt; Naegele, Otto; Trujillo, Marcos; Weaver, John; Harrison, Lyndon; Sanders, David; Marriott, Mike; Nee, Martin; Barnhill, Matthew
Subject: RE: Martin Gas Com B # 1F
Categories: External Sender

Logan,

OCD approves your request for alternative closure standards.. Remember when submitting your C-144 Closure packet include the initial failing results. In your C-141 final include all of your passing laboratory data and this approval.

Thank you,

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: Wednesday, January 31, 2018 4:39 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Thomas, Leigh (l1thomas@blm.gov) <l1thomas@blm.gov>
Cc: Hoekstra, Kurt <Kurt_Hoekstra@xtoenergy.com>; Naegele, Otto <Otto_Naegele@xtoenergy.com>; Trujillo, Marcos <Marcos_Trujillo@xtoenergy.com>; Weaver, John <John_Weaver@xtoenergy.com>; Harrison, Lyndon <Lyndon_Harrison@xtoenergy.com>; Sanders, David <David_Sanders@xtoenergy.com>; Marriott, Mike <Mike_Marriott@xtoenergy.com>; Nee, Martin <Martin_Nee@xtoenergy.com>; Barnhill, Matthew <Matthew_Barnhill@xtoenergy.com>
Subject: RE: Martin Gas Com B # 1F

Good Evening All,

Attached are the preliminary sample results from the excavation at the Martin Gas Com B 1F. The excavation reached approximately 17 feet East to West, 14 feet North to South, and approximately 9' deep.

The samples returned results below the NMOCD Guidelines for the remediation of leaks, spills and releases on the North Wall, East Wall, West Wall, and the Bottom.

The sample collected from the south wall returned results below the guidelines for Benzene and BTEX at non-detect, but returned results of 290 ppm TPH (All oil range organics).

XTO would like to request that with remaining constituent on the south wall being comprised of oil range organics, that is believed to be non-mobile and with a confining sandstone layer in the bottom that no further action be required for this site.

No further excavation or closure will occur, until approval or denial of the request stated above.

If approved a BGT closure report will be submitted with an initial C-141 and final C-141 outlining the remediation that has occurred at this site.

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

Thank You!

Logan Hixon | 321 22nd Avenue East | Williston, ND 58801 | Cell: 505-386 8018 | Home: 505-320-6133 |

Logan.Hixon@xtoenergy.com

XTO ENERGY INC., an ExxonMobil subsidiary

This document may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, you are on notice that any unauthorized disclosure, copying, distribution or taking of any action in reliance on the contents of this document is prohibited.

From: Smith, Cory, EMNRD [<mailto:Cory.Smith@state.nm.us>]

Sent: Tuesday, January 23, 2018 1:35 PM

To: Hoekstra, Kurt <Kurt.Hoekstra@xtoenergy.com>; Hixon, Logan <Logan.Hixon@xtoenergy.com>

Cc: Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>;

Whitney Thomas (l1thomas@blm.gov) <l1thomas@blm.gov>

Subject: RE: Martin Gas Com B # 1F

Kurt,

You read my mind, thanks for the update ill put XTO on the schedule for 1/30/18 @ 10:30. Please let me know if anything changes between now and then.

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: Hoekstra, Kurt [<mailto:Kurt.Hoekstra@xtoenergy.com>]

Sent: Tuesday, January 23, 2018 11:23 AM

To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Hixon, Logan <Logan.Hixon@xtoenergy.com>

Cc: Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>;

Whitney Thomas (l1thomas@blm.gov) <l1thomas@blm.gov>

Subject: RE: Martin Gas Com B # 1F

Yes Cory that is correct we will probably excavate another 2-3 feet and take another sample hopefully for closure. I know you also want 4 wall samples we will start on Tuesday about 8:00 should be ready to sample by about 10:30 or 11:00 I imagine.

From: Smith, Cory, EMNRD [<mailto:Cory.Smith@state.nm.us>]

Sent: Tuesday, January 23, 2018 9:21 AM

To: Hoekstra, Kurt

Cc: Powell, Brandon, EMNRD; Fields, Vanessa, EMNRD; Whitney Thomas (l1thomas@blm.gov)

Subject: RE: Martin Gas Com B # 1F

Kurt,

This is for the site that we met up on two Fridays ago correct? If I recall XTO was going to remove about 1-2' of soil and collect a sample due to suspected release already.

This notification is for continuing to excavate Correct?

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: Trujillo, Marcos [mailto:Marcos_Trujillo@xtoenergy.com]

Sent: Tuesday, January 23, 2018 8:31 AM

To: Hoekstra, Kurt <Kurt_Hoekstra@xtoenergy.com>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Whitney Thomas (l1thomas@blm.gov) <l1thomas@blm.gov>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>

Cc: Woolley, Jeff <Jeff_Woolley@xtoenergy.com>; Harrison, Lyndon <Lyndon_Harrison@xtoenergy.com>; Sanders, David <David_Sanders@xtoenergy.com>; Weaver, John <John_Weaver@xtoenergy.com>; Logan, Michael <Michael_Logan@xtoenergy.com>; Marriott, Mike <Mike_Marriott@xtoenergy.com>; Nee, Martin <Martin_Nee@xtoenergy.com>

Subject: RE: Martin Gas Com B # 1F

Kurt,

The one call is in has been made & will be good on Thursday 01/25/2018 thanks.

From: Hoekstra, Kurt

Sent: Tuesday, January 23, 2018 7:43 AM

To: Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us); Whitney Thomas (l1thomas@blm.gov); Brandon Powell (brandon.powell@state.nm.us)

Cc: Woolley, Jeff; Harrison, Lyndon; Sanders, David; Weaver, John; Dawes, Thomas; Trujillo, Marcos; Logan, Michael; Marriott, Mike; Nee, Martin

Subject: RE: Martin Gas Com B # 1F

Sorry the correct date is Tuesday 1-30-2018.

From: Hoekstra, Kurt
Sent: Tuesday, January 23, 2018 7:38 AM
To: Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us); Whitney Thomas (l1thomas@blm.gov); Brandon Powell (brandon.powell@state.nm.us)
Cc: Woolley, Jeff; Harrison, Lyndon; Sanders, David; Weaver, John; Dawes, Thomas; Trujillo, Marcos; Logan, Michael; Marriott, Mike; Martin Nee (Martin_Nee@xtoenergy.com)
Subject: Martin Gas Com B # 1F

Mr. Smith and Ms. Fields

Please accept this email as the required 72 hour notification for BGT closure activities at the Martin Gas Com B # 1F well site API # (30-045-34091) located in Section 29H, Township 28N, Range 10W, San Juan County, New Mexico. The initial sample results for this BGT closure were above standards of TPH 100 ppm for this site. The sample results were GRO 209 ppm, DRO 154 ppm, and ORO 205 ppm . Work is tentatively scheduled for Tuesday 1-29-2018 at 8:00 am.

Thank you for your time in regards to this matter.

Kurt Hoekstra
EHS Coordinator
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt_Hoekstra@xtoenergy.com
An **ExxonMobil** Subsidiary