

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: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Federal Gas Com 1-1B	Facility Type: Gas Well (Fruitland Coal)
Surface Owner: Federal Land	Mineral Owner
API No. 30-045-30032	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	20B	32 N	12W	935	FNL	2280	FEL	San Juan

Latitude: N36\*.97623 Longitude: W-108\*.11686

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: Approximately 500 BBL.	Volume Recovered: Approximately 480 BBL.
Source of Release: Water Transfer Line	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: January 31, 2014 at 11:45 A.M.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell (NMOCD) & Mark Kelly (BLM)	
By Whom? James McDaniel (Attached)	Date and Hour: January 31, 2014 at 3:39 PM	RCVD FEB 7 '14
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.\*  
Describe Cause of Problem and Remedial Action Taken.\*  
On January 31, 2014, a water leak was discovered in the produced water transport line on the Federal Gas Com 1-1B well site. An estimated 500 bbl. of produced water leaked from the pipeline over an undetermined amount of time. Approximately 480 bbl. were recovered on January 31, 2014. The produced water traveled in a small drainage feature for approximately 500', before dropping off a small cliff into Jaquez Arroyo, where it flowed for nearly 75 additional feet before coming to an end. Water and soil samples were collected on January 31, 2014. A water sample was collected at the source of the release at surface and analyzed for benzene and total BTEX via USEPA Method 8021. A water sample was collected at the end of release and analyzed for Cation/Anion, benzene and total BTEX via USEPA Method 8021. A soil sample was collected at the end of the release and analyzed for TPH via USEPA 8015M, for benzene and total BTEX via USEPA Method 8021, and for total chlorides. Several wells were shut in to stop the release. The waterline was excavated on February 5, 2014, and was discovered the leak had occurred at the transfer line (Poly) beneath the ground surface. A 4' piece of poly was replaced and welded back in place, pressure tested, and put back into service. The site was ranked a 30 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and releases, due to being in less than 1000 feet to a dry arroyo and the depth to groundwater is estimated to be less than 50 feet. This set the regulatory limits to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.\*  
The two (2) water samples and one (1) soil sample collected returned results below the regulatory standards determined for this location. The sample results and details were presented to BLM and NMOCD for approval on February 4, 2014. On February 5, 2014 BLM and NMOCD approved closure of this release. The sample results and correspondence 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: <i>Logan Hixon</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Logan Hixon	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: EHS Coordinator	Approval Date: 5/5/14	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-6-14	Phone: 505-333-3683	

\* Attach Additional Sheets If Necessary

# NCS 141 252 8089



Start of Release and Source  
Water sample Collected

End of Release and Water  
and soil sample collected

# On-Site Form

**Completed on**  
1/31/14 6:04 PM

**Well Name**  
Federal gas com 1-1B

**Well lat and long**  
Latitude: 36.976120  
Longitude: -108.117836

**API**  
045-30032

**State**  
NM

**County**  
SJ

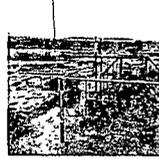
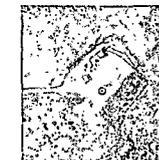
**Section**  
20b

**Township**  
32

**Range**  
12

**Time On-Site**  
1/31/14 2:30 PM

## Audit

Question	Response	Details
 Appendix 1	 Appendix 2	 Appendix 3
 Appendix 4	 Appendix 5	 Appendix 6
 Appendix 7	 Appendix 8	 Appendix 9
 Appendix 10	 Appendix 11	 Appendix 12
 Appendix 13	 Appendix 14	 Appendix 15
 Appendix 16	 Appendix 17	 Appendix 18
<b>Ranking</b>		
<i>Distance to groundwater</i>	20	
<i>Distance to surface water</i>	10	
<i>Distance to water well</i>	0	
<i>Total ranking</i>	30	

<b>Sample 1</b>			
<i>Time sample collected</i>		<i>1/31/14 3:30 PM</i>	
<i>Sample description</i>		<i>Water sample source</i>	
<i>Characteristic</i>			
<i>OVM (PPM)</i>			
<i>Analysis Requested</i>		<i>yes</i>	<i>Btex 8021</i>
<b>Sample 2</b>			
<i>Time sample collected</i>		<i>1/31/14 3:40 PM</i>	
<i>Sample description</i>		<i>Water and soil sample</i>	
<i>Characteristic</i>		<i>Sand</i>	
<i>OVM (PPM)</i>			
<i>Analysis Requested</i>		<i>yes</i>	<i>Water-cation/anion, btex Soil-8015,8021, chlorides</i>
<i>Comments</i>		<i>yes</i>	<i>Will check site on February 1, 2014</i>
<i>Print Name &amp; Sign</i>	<i>Logan Hixon</i>	<i>1/31/14 6:04 PM</i>	<i>LH</i>
<i>Company</i>		<i>Xto</i>	
		<i>1/31/14 4:15 PM</i>	



## Analytical Report

### Report Summary

Client: XTO Energy Inc.  
Chain Of Custody Number: 0043  
Samples Received: 1/31/2014 5:10:00PM  
Job Number: 98031-0528  
Work Order: P401095  
Project Name/Location: Federal Gas Com 1 #2

Entire Report Reviewed By:

Date: 2/4/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 2/3/14 3:08 pm

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.



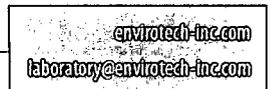


XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Souce	P401095-01A	Wastewater	01/31/14	01/31/14	VOA Vial, 40mL
	P401095-01B	Wastewater	01/31/14	01/31/14	VOA Vial, 40mL
End of Release	P401095-02A	Wastewater	01/31/14	01/31/14	VOA Vial, 40mL
	P401095-02B	Wastewater	01/31/14	01/31/14	VOA Vial, 40mL
End of Release	P401095-03A	Wastewater	01/31/14	01/31/14	Poly 500mL
	P401095-03B	Wastewater	01/31/14	01/31/14	Poly 500mL
End of Release	P401095-04A	Soil	01/31/14	01/31/14	Glass Jar, 4 oz.

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**Source**  
**P401095-01 (Water)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Limit	Units							
<b>Volatile Organics by EPA 8021</b>										
Benzene	0.004	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B		
Toluene	0.01	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B		
Ethylbenzene	0.005	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B		
p,m-Xylene	0.04	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B		
o-Xylene	0.01	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B		
Total Xylenes	0.05	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B		
Total BTEX	0.07	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B		
<i>Surrogate: Bromochlorobenzene</i>		108 %		80-120	1406009	02/03/14	02/03/14	EPA 8021B		
<i>Surrogate: 1,3-Dichlorobenzene</i>		106 %		80-120	1406009	02/03/14	02/03/14	EPA 8021B		

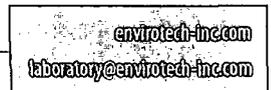
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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**End of Release**  
**P401095-02 (Water)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B	
Toluene	ND	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B	
Ethylbenzene	ND	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B	
p,m-Xylene	ND	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B	
o-Xylene	ND	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B	
Total Xylenes	ND	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B	
Total BTEX	ND	0.001	mg/L	1	1406009	02/03/14	02/03/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		96.6 %		80-120	1406009	02/03/14	02/03/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		98.2 %		80-120	1406009	02/03/14	02/03/14	EPA 8021B	

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**End of Release**  
**P401095-03 (Water)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Cation/Anion Analysis</b>									
pH @19.3°C	8.15		pH Units	1	1406001	02/03/14 07:08	02/03/14 08:57	EPA 150.1	
Electrical Conductivity	8290		umhos/cm	1	1406001	02/03/14 07:08	02/03/14 08:57	EPA 120.1	
Total Dissolved Solids	5940		mg/L	1	1406008	02/03/14	02/03/14	EPA 160.1	
Sodium Absorption Ratio	157		N/A	1	1406010	02/03/14	02/03/14	[CALC]	
Total Alkalinity as CaCO3	3620	100	mg/L	10	1406006	02/03/14	02/03/14	Hach Method 8203	
Total Hardness as CaCO3	102	0.07	mg/L		[CALC]	02/03/14	02/03/14	[CALC]	
Bicarbonate as CaCO3	3620	100	mg/L	10	1406006	02/03/14	02/03/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1406006	02/03/14	02/03/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1406006	02/03/14	02/03/14	Hach Method 8203	
Nitrate-N	3.32	2.00	mg/L	10	1406002	02/03/14 07:22	02/03/14 11:19	EPA 300.0	
Nitrite-N	ND	1.00	mg/L	10	1406002	02/03/14 07:22	02/03/14 11:19	EPA 300.0	
Chloride	566	10.0	mg/L	10	1406002	02/03/14	02/03/14	EPA 300.0	
Fluoride	ND	1.00	mg/L	10	1406002	02/03/14	02/03/14	EPA 300.0	
o-Phosphate	ND	20.0	mg/L	10	1406002	02/03/14 07:22	02/03/14 11:19	EPA 300.0	
Sulfate	67.9	40.0	mg/L	10	1406002	02/03/14	02/03/14	EPA 300.0	
Iron	0.07	0.01	mg/L	1	1406005	02/03/14	02/03/14	EPA 6010C	
Calcium	20.4	0.01	mg/L	1	1406005	02/03/14	02/03/14	EPA 6010C	
Magnesium	12.4	0.01	mg/L	1	1406005	02/03/14	02/03/14	EPA 6010C	
Potassium	27.4	0.01	mg/L	1	1406005	02/03/14	02/03/14	EPA 6010C	
Sodium	3640	0.01	mg/L	1	1406005	02/03/14	02/03/14	EPA 6010C	

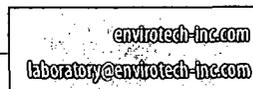
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**End of Release**  
**P401095-04 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.05	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		104 %		80-120	1406003	02/03/14	02/03/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		102 %		80-120	1406003	02/03/14	02/03/14	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1406003	02/03/14	02/03/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1406004	02/03/14	02/03/14	EPA 8015D	
<b>Cation/Anion Analysis</b>									
Chloride	65.9	9.99	mg/kg	1	1406007	02/03/14	02/03/14	EPA 300.0	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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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 1406003 - Purge and Trap EPA 5030A**

Blank (1406003-BLK1)			Prepared & Analyzed: 03-Feb-14							
Benzene	ND	0.05	mg/kg							
Toluene	0.09	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	1.32	0.05	"							
o-Xylene	0.28	0.05	"							
Total Xylenes	1.60	0.05	"							
Total BTEX	1.69	0.05	"							
Surrogate: 1,3-Dichlorobenzene	60.1		ug/l	50.0		120	80-120			
Surrogate: Bromochlorobenzene	74.9		"	50.0		150	80-120			

Duplicate (1406003-DUP1)			Source: P401095-04		Prepared & Analyzed: 03-Feb-14					
Benzene	ND	0.05	mg/kg		ND					30
Toluene	ND	0.05	"		ND					30
Ethylbenzene	ND	0.05	"		ND					30
p,m-Xylene	ND	0.05	"		ND					30
o-Xylene	ND	0.05	"		ND					30
Surrogate: 1,3-Dichlorobenzene	50.9		ug/l	50.0		102	80-120			
Surrogate: Bromochlorobenzene	54.7		"	50.0		109	80-120			

Matrix Spike (1406003-MS1)			Source: P401095-04		Prepared & Analyzed: 03-Feb-14					
Benzene	45.3		ug/L	50.0	ND	90.6	39-150			
Toluene	48.8		"	50.0	ND	97.7	46-148			
Ethylbenzene	51.3		"	50.0	ND	103	32-160			
p,m-Xylene	102		"	100	ND	102	46-148			
o-Xylene	51.9		"	50.0	ND	104	46-148			
Surrogate: 1,3-Dichlorobenzene	49.8		"	50.0		99.5	80-120			
Surrogate: Bromochlorobenzene	55.0		"	50.0		110	80-120			

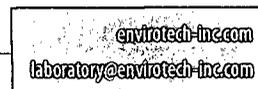
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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**Volatile Organics by EPA 8021 - 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 1406009 - Purge and Trap EPA 5030A**

<b>Blank (1406009-BLK1)</b>				Prepared & Analyzed: 03-Feb-14						
Benzene	ND	0.05	mg/L							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
<i>Surrogate: 1,3-Dichlorobenzene</i>	47.3		ug/L	50.0		94.5	80-120			
<i>Surrogate: Bromochlorobenzene</i>	49.4		"	50.0		98.7	80-120			

<b>Duplicate (1406009-DUP1)</b>				Source: P401095-02 Prepared & Analyzed: 03-Feb-14						
Benzene	ND	0.001	mg/L		ND				30	
Toluene	ND	0.001	"		ND				30	
Ethylbenzene	ND	0.001	"		ND				30	
p,m-Xylene	ND	0.001	"		ND				30	
o-Xylene	ND	0.001	"		ND				30	
<i>Surrogate: 1,3-Dichlorobenzene</i>	49.1		ug/L	50.0		98.3	80-120			
<i>Surrogate: Bromochlorobenzene</i>	51.9		"	50.0		104	80-120			

<b>Matrix Spike (1406009-MS1)</b>				Source: P401095-02 Prepared & Analyzed: 03-Feb-14						
Benzene	0.07	0.001	mg/L	0.0500	ND	149	39-150			
Toluene	0.06	0.001	"	0.0500	ND	116	46-148			
Ethylbenzene	0.05	0.001	"	0.0500	ND	107	32-160			
p,m-Xylene	0.11	0.001	"	0.100	ND	107	46-148			
o-Xylene	0.05	0.001	"	0.0500	ND	105	46-148			
<i>Surrogate: 1,3-Dichlorobenzene</i>	47.6		ug/L	50.0		95.1	80-120			
<i>Surrogate: Bromochlorobenzene</i>	49.8		"	50.0		99.6	80-120			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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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
<b>Batch 1406003 - Purge and Trap EPA 5030A</b>										
<b>Blank (1406003-BLK1)</b>					Prepared & Analyzed: 03-Feb-14					
Gasoline Range Organics (C6-C10)	42.6	4.99	mg/kg							
<b>Duplicate (1406003-DUP1)</b>					Source: P401095-04 Prepared & Analyzed: 03-Feb-14					
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
<b>Matrix Spike (1406003-MS1)</b>					Source: P401095-04 Prepared & Analyzed: 03-Feb-14					
Gasoline Range Organics (C6-C10)	0.45		mg/L	0.450	ND	100	75-125			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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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
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**Batch 1406004 - DRO Extraction EPA 3550C**

<b>Blank (1406004-BLK1)</b>		Prepared & Analyzed: 03-Feb-14								
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
<b>Duplicate (1406004-DUP1)</b>		<b>Source: P401095-04</b>		Prepared: 03-Feb-14 Analyzed: 04-Feb-14						
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	
<b>Matrix Spike (1406004-MS1)</b>		<b>Source: P401095-04</b>		Prepared & Analyzed: 03-Feb-14						
Diesel Range Organics (C10-C28)	283	31.5	mg/kg	263	ND	108	75-125			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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**Cation/Anion Analysis - 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 1406002 - Anion Extraction EPA 300.0**

<b>Blank (1406002-BLK1)</b>				Prepared & Analyzed: 03-Feb-14						
Nitrate-N	ND	0.20	mg/L							
Nitrite-N	ND	0.10	"							
Chloride	ND	1.00	"							
Fluoride	ND	0.10	"							
o-Phosphate	ND	2.00	"							
Sulfate	ND	4.00	"							

<b>LCS (1406002-BS1)</b>				Prepared & Analyzed: 03-Feb-14						
Nitrate-N	4.90	0.20	mg/L	5.00		98.0	90-110			
Nitrite-N	5.02	0.10	"	5.00		100	90-110			
Chloride	49.3	1.00	"	50.0		98.6	90-110			
Fluoride	4.79	0.10	"	5.00		95.8	90-110			
o-Phosphate	24.6	2.00	"	25.0		98.5	90-110			
Sulfate	50.0	4.00	"	50.0		100	90-110			

<b>Matrix Spike (1406002-MS1)</b>				Source: P401095-03		Prepared & Analyzed: 03-Feb-14				
Nitrate-N	52.3	2.00	mg/L	50.0	3.32	97.9	80-120			
Nitrite-N	50.1	1.00	"	50.0	ND	100	80-120			
Chloride	1010	10.0	"	500	566	88.6	80-120			
Fluoride	49.0	1.00	"	50.0	ND	98.0	80-120			
o-Phosphate	246	20.0	"	250	ND	98.6	80-120			
Sulfate	551	40.0	"	500	67.9	96.5	80-120			

<b>Matrix Spike Dup (1406002-MSD1)</b>				Source: P401095-03		Prepared & Analyzed: 03-Feb-14				
Nitrate-N	52.1	2.00	mg/L	50.0	3.32	97.6	80-120	0.306	20	
Nitrite-N	50.2	1.00	"	50.0	ND	100	80-120	0.219	20	
Chloride	1000	10.0	"	500	566	87.7	80-120	0.446	20	
Fluoride	51.1	1.00	"	50.0	ND	102	80-120	4.26	20	
o-Phosphate	246	20.0	"	250	ND	98.4	80-120	0.191	20	
Sulfate	557	40.0	"	500	67.9	97.7	80-120	1.07	20	

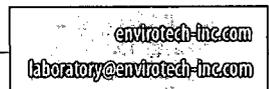
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 04-Feb-14 11:26
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**Cation/Anion Analysis - Quality 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 1406007 - Anion Extraction EPA 300.0**

<b>Blank (1406007-BLK1)</b>				Prepared & Analyzed: 03-Feb-14						
Chloride	ND	9.84	mg/kg							
<b>LCS (1406007-BS1)</b>				Prepared & Analyzed: 03-Feb-14						
Chloride	499	9.91	mg/kg	496		101	90-110			
<b>Matrix Spike (1406007-MS1)</b>				Source: P401095-04 Prepared & Analyzed: 03-Feb-14						
Chloride	559	9.91	mg/kg	496	65.9	99.5	80-120			
<b>Matrix Spike Dup (1406007-MSD1)</b>				Source: P401095-04 Prepared & Analyzed: 03-Feb-14						
Chloride	562	9.89	mg/kg	495	65.9	100	80-120	0.567	20	

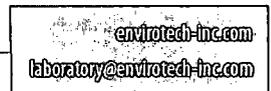
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Federal Gas Com 1 #2 Project Number: 98031-0528 Project Manager: Logan Hixon	<b>Reported:</b> 04-Feb-14 11:26
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**Notes and Definitions**

- 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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\*RUSH\*

	Quote Number		Page <u>4</u> of <u>4</u>		Analysis				Lab Information																																								
	XTO Contact <i>Logan</i>		XTO Contact Phone # <i>505 386-8018</i>		<i>BTEX (80217)</i> <i>Cation/Anion Balance</i> <i>805 (000+620)</i> <i>Chlorides</i>				98031-0528																																								
	Email Results to: <i>Logan, Kurt, James</i>								Office Abbreviations																																								
Well Site/Location <i>Federal Gas Com 1 #2</i>		API Number <i>30-045-29816</i>		Test Reason <i>Spill-Release</i>		<table border="1"> <tr> <th>Sample ID</th> <th>Sample Name</th> <th>Media</th> <th>Date</th> <th>Time</th> <th>Preservative</th> <th>No. of Conts.</th> <th>Sample Number</th> </tr> <tr> <td><i>FARLH-013114-1530</i></td> <td><i>Source</i></td> <td><i>OT</i></td> <td><i>1-31</i></td> <td><i>15:30</i></td> <td><i>Cool</i></td> <td><i>2-UOC</i></td> <td><i>P401095-01</i></td> </tr> <tr> <td><i>FARLH-013114-1540</i></td> <td><i>End of Release</i></td> <td><i>OT</i></td> <td><i>1-31</i></td> <td><i>15:40</i></td> <td></td> <td><i>2-UOC</i></td> <td><i>P401095-02</i></td> </tr> <tr> <td><i>FARLH-013114-1550</i></td> <td><i>End of Release</i></td> <td><i>OT</i></td> <td><i>1-31</i></td> <td><i>15:50</i></td> <td></td> <td><i>2-UOC</i></td> <td><i>P401095-03</i></td> </tr> <tr> <td><i>FARLH-013114-1600</i></td> <td><i>End of Release</i></td> <td><i>AFS</i></td> <td><i>1-31</i></td> <td><i>16:00</i></td> <td></td> <td><i>1-402</i></td> <td><i>P401095-04</i></td> </tr> </table>				Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Sample Number	<i>FARLH-013114-1530</i>	<i>Source</i>	<i>OT</i>	<i>1-31</i>	<i>15:30</i>	<i>Cool</i>	<i>2-UOC</i>	<i>P401095-01</i>	<i>FARLH-013114-1540</i>	<i>End of Release</i>	<i>OT</i>	<i>1-31</i>	<i>15:40</i>		<i>2-UOC</i>	<i>P401095-02</i>	<i>FARLH-013114-1550</i>	<i>End of Release</i>	<i>OT</i>	<i>1-31</i>	<i>15:50</i>		<i>2-UOC</i>	<i>P401095-03</i>	<i>FARLH-013114-1600</i>	<i>End of Release</i>	<i>AFS</i>	<i>1-31</i>	<i>16:00</i>		<i>1-402</i>	<i>P401095-04</i>
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<i>FARLH-013114-1540</i>	<i>End of Release</i>	<i>OT</i>	<i>1-31</i>	<i>15:40</i>						<i>2-UOC</i>	<i>P401095-02</i>																																						
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Collected By <i>Logan Hixon</i>		Samples on Ice <i>(N)</i>		Turnaround		<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Next Day <input type="checkbox"/> Two Day <input type="checkbox"/> Three Day <input type="checkbox"/> Std. 5 Bus. Days (by contract)																																											
Company <i>XTO</i>		QA/QC Requested		Date Needed																																													
Signature <i>Joy</i>		Gray Areas for Lab Use Only!																																															
Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Water = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT																																																	
Relinquished By: (Signature) <i>Joy</i>			Date: <i>1-31-14</i>		Time: <i>17:10</i>		Received By: (Signature)			Number of Bottles	Sample Condition																																						
Relinquished By: (Signature)			Date:		Time:		Received By: (Signature)			Temperature:																																							
Relinquished By: (Signature)			Date:		Time:		Received for Lab by (Signature)			Date: <i>1/31/14</i>	Time: <i>17:10</i>																																						
Comments <i>6.8 6.8 7.1</i>																																																	

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

## Hixon, Logan

---

**From:** McDaniel, James  
**Sent:** Friday, January 31, 2014 3:39 PM  
**To:** 'Brandon Powell (brandon.powell@state.nm.us)'; Mark Kelly (Mark\_Kelly@blm.gov)  
**Cc:** Nee, Martin; Hixon, Logan; Divine, Olan; Hoekstra, Kurt; McGaha, Sarah  
**Subject:** Federal Gas COM 1 #2 Spill

Brandon,

Please accept this email as the required notification of a release at the Federal Gas COM 1 #2 well site (3004530032) located in Section 20B, Township 32N, Range 12W, San Juan County, New Mexico. An underground water leak was discovered today inside the bermed area where the SEP connects. The water filled up the berm and overflowed, running into a small drainage to the east of the location. The spill traveled in the drainage for approximately 500 feet before it emptied into Jaquez Arroyo. The spill traveled an additional 50-100 feet in the arroyo before ending. Approximately 480 bbls of water has been recovered from the bermed area while the waterline is being isolated. Jaquez Arroyo is a dry arroyo that runs into McDermott Arroyo after over 1.1 miles. McDermott Arroyo travels to the La Plata River, but not for over 7.5 miles. Water samples are being collected for BTEX and Cation/Anion Balance analysis, and a soil sample is being collected for DRO/GRO, BTEX and chlorides. The site has been ranked a 30 due to an estimated depth to GW of 40 feet, and a distance to a named wash of less than 1,000 feet. Thank you very much for your time, and please don't hesitate to contact me with any questions.

"Safety takes time, take the time to be safe" (PL)

**James McDaniel**

EH&S Supervisor

XTO Energy Inc.

382 Road 3100

Aztec, New Mexico 87410

Phone: 505.333.3701 | Mobile: 505.787.0519

[james\\_mcdaniel@xtoenergy.com](mailto:james_mcdaniel@xtoenergy.com)

An **ExxonMobil** Subsidiary

## Hixon, Logan

---

**From:** McDaniel, James  
**Sent:** Wednesday, February 05, 2014 8:51 AM  
**To:** Kelly, Jonathan, EMNRD; Ketcham, Shari  
**Cc:** Powell, Brandon, EMNRD; Hixon, Logan  
**Subject:** RE: Federal Gas Com 1 #2

Thank you. I will amend the report accordingly

“Safety takes time, take the time to be safe” (PL)

**James McDaniel**  
EH&S Supervisor  
XTO Energy Inc.  
382 Road 3100  
Aztec, New Mexico 87410  
Phone: 505.333.3701 | Mobile: 505.787.0519  
[james\\_mcdaniel@xtoenergy.com](mailto:james_mcdaniel@xtoenergy.com)

An **ExxonMobil** Subsidiary

---

**From:** Kelly, Jonathan, EMNRD [<mailto:Jonathan.Kelly@state.nm.us>]  
**Sent:** Wednesday, February 05, 2014 8:49 AM  
**To:** McDaniel, James; Ketcham, Shari  
**Cc:** Powell, Brandon, EMNRD  
**Subject:** RE: Federal Gas Com 1 #2

James,

When I did a site visit Monday morning, I noticed that the release originated from the separator with the production equipment on the Federal Gas Com 1 #1E instead of the 2, so you might want to have the C-141 filled out for it instead of the #2.

Jonathan D. Kelly  
Compliance Officer  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 122  
[jonathan.kelly@state.nm.us](mailto:jonathan.kelly@state.nm.us)

---

**From:** McDaniel, James [[mailto:James\\_McDaniel@xtoenergy.com](mailto:James_McDaniel@xtoenergy.com)]  
**Sent:** Wednesday, February 05, 2014 8:46 AM  
**To:** Ketcham, Shari  
**Cc:** Kelly, Jonathan, EMNRD; Powell, Brandon, EMNRD  
**Subject:** RE: Federal Gas Com 1 #2

Thank you very much! Closure report will follow.

“Safety takes time, take the time to be safe” (PL)

**James McDaniel**

EH&S Supervisor  
XTO Energy Inc.  
382 Road 3100  
Aztec, New Mexico 87410  
Phone: 505.333.3701 | Mobile: 505.787.0519  
[james\\_mcdaniel@xtoenergy.com](mailto:james_mcdaniel@xtoenergy.com)

An **ExxonMobil** Subsidiary

**From:** Ketcham, Shari [<mailto:sketcham@blm.gov>]  
**Sent:** Wednesday, February 05, 2014 8:46 AM  
**To:** McDaniel, James  
**Cc:** Kelly, Jonathan ([Jonathan.Kelly@state.nm.us](mailto:Jonathan.Kelly@state.nm.us)); Powell, Brandon, EMNRD  
**Subject:** Federal Gas Com 1 #2

This location ranked as a 30; 20 for depth to groundwater <50 ft and 10 for being 456 ft to a USGS watercourse. The benzene, BTEX, and chlorides are well below regulatory standards; therefore, no further remediation is needed.

Thank you!

Shari Ketcham  
Natural Resource Specialist, Spills Biologist  
BLM Farmington Field Office  
6251 College Blvd Suite A  
Farmington, NM 87402  
Office: (505) 564-7713  
Fax: (505) 564-7607