

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: Stanolind Gas Com B 2	Facility Type: Gas Well (Fruitland Coal)

Surface Owner: State/Private	Mineral Owner	API No. 30-045-32209
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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	9	32 N	12W	665	FSL	665	FEL	San Juan

Latitude: N36*.99486602 Longitude: W-108*.0944595

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Approximately 1,250 BBL.	Volume Recovered: Approximately 60 BBL.
Source of Release: Water Transfer Line	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Approximately February 10, 2014-14:00
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) & Jonathan Kelly (NMOCD) & John Taschek (State Land Office)	
By Whom? Logan Hixon (Attached)	Date and Hour: February 11, 2014 at 12:22	RCVD FEB 26 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 February 10, 2014, a water leak was discovered in the produced water transport line to the south east of the Stanolind Gas Com B #2 well site. An estimated 1,250 bbl. of produced water leaked from the pipeline over an undetermined amount of time. Several wells were shut in to stop the release. Approximately 60 bbl. were recovered on February 10, 2014 and February 11, 2014. The produced water traveled in a small drainage feature for approximately 200', before flowing into a dry Jaquez Arroyo, where it flowed for nearly 2,900 additional feet before coming to an end. Water and soil samples were collected on February 10, 2014. Water samples were collected at the source, approximate middle, and the end of the release independent of each other at surface and were analyzed for Cation/Anion, benzene and total BTEX via USEPA Method 8021. Soil samples were collected from 0-6" at the source, approximate middle, and end of the release independent of each other and were analyzed for TPH via USEPA 8015M, for benzene and total BTEX via USEPA Method 8021, and for total chlorides. The waterline was excavated on February 14, 2014, and it was discovered that the leak had occurred on the transfer line (Poly) beneath the ground surface. A 5' piece of poly was replaced and welded back in place, pressure tested, and put back into service. The site was ranked a 40 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases, due to a dry arroyo less than 200' from the release, and an estimated depth to groundwater of 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 three (3) water samples collected from the source, approximate middle, and end of release independent of each other, and three (3) soil samples collected at the same interval, independent of each other returned results below the regulatory standards determined for this location. The sample results and details were presented to the State Land Office and NMOCD on February 13, 2014. The sample results and correspondence are attached for your reference. No further action is required for this site.

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>	OIL CONSERVATION DIVISION	
Printed Name: Logan Hixon	Approved by Environmental Specialist: <i>Jonathan R. Kelly</i>	
Title: EHS Coordinator	Approval Date: <i>9/2/2014</i>	Expiration Date:
E-mail Address: Logan.Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>February 24, 2014</i>	Phone: 505-333-3683	

* Attach Additional Sheets If Necessary

nJK 1424737989

On-Site Form

Well Name

Stanolind Gas Com B 2 SE of Location

Well lat and long

Source: 36.993877, -108.094643

End: 36.987244, -108.099396

API

30-045-32209

County

SJ

Section

9 I

Township

32N

Range

12W

Time On-Site

2/10/14 4:10 PM

Reason for On-Site

Release at water transfer line

Contractors On Site

Yes

Spill Amount

Approximately 1,250 bbl

Amount Recovered

Approximately 60 bbl

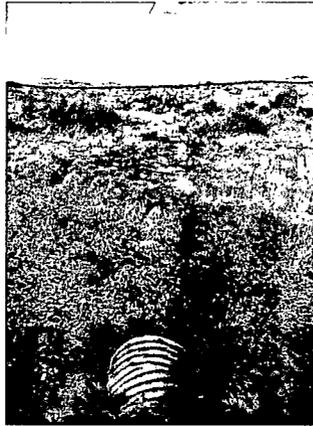
Question	Response	Details
<div style="display: flex; justify-content: space-around; align-items: center;">    </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Appendix 1 Appendix 2 Appendix 3 </div>		
Ranking		
<i>Distance to groundwater</i>	20	
<i>Distance to surface water</i>	20	
<i>Distance to water well</i>	0	
<i>Total ranking</i>	40	
Site Diagram & Data		
<i>Site Diagram</i>		
<i>Sample Location Side View</i>		
<i>Sample Location aerial view</i>		
Testing OVM Meter		
<i>OVM (PPM)</i>		
Sample 1		
<i>Time sample collected</i>	2/10/14 4:50 PM	
<i>Sample description</i>	Source water/soil	
<i>Characteristic</i>	Wet sand	
<i>OVM (PPM)</i>		
<i>Analysis Requested</i>	yes	Water: cation/anion, BTEX Soil: BTEX, GRO/DRO, CHLORIDES
Sample 2		
<i>Time sample collected</i>	2/10/14 5:00 PM	
<i>Sample description</i>	Mid release	
<i>Characteristic</i>	Wet sand	
<i>OVM (PPM)</i>		

<i>Analysis Requested</i>		yes	<i>Water: cation/anion, BTEX Soil: BTEX, GRO/DRO, CHLORIDES</i>	
Sample 3				
<i>Time sample collected</i>		2/10/14 5:20 PM		
<i>Sample description</i>		End of release		
<i>Characteristic</i>		Wet clay sand		
<i>OVM (PPM)</i>				
<i>Analysis Requested</i>		yes	<i>Water: cation/anion, BTEX Soil: BTEX, GRO/DRO, CHLORIDES</i>	
Comments				
<i>Comments</i>		yes	On site scheduled for 2-11-14	
<i>Print Name & Sign</i>	Logan Hixon	2/12/14 4:43 PM		
<i>Company</i>		XTO ENERGY		
		2/10/14 8:30 PM		

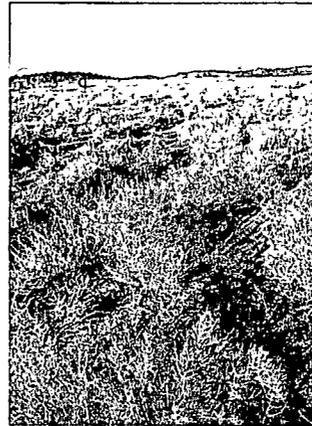
Media



Appendix 1



Appendix 2



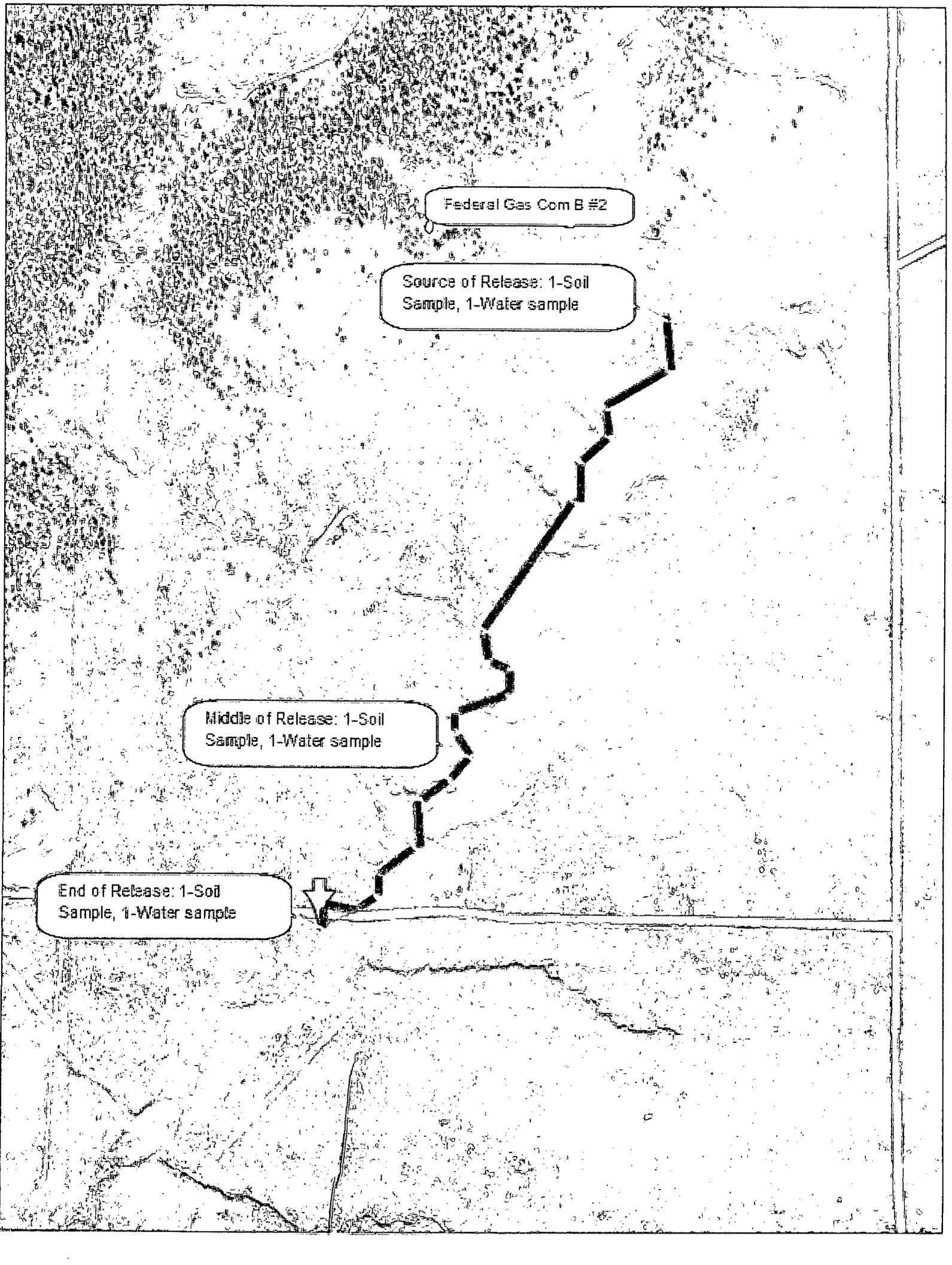
Appendix 3

Federal Gas Com B #2

Source of Release: 1-Soil
Sample, 1-Water sample

Middle of Release: 1-Soil
Sample, 1-Water sample

End of Release: 1-Soil
Sample, 1-Water sample



Hixon, Logan

From: Hixon, Logan
Sent: Tuesday, February 11, 2014 12:22 PM
To: BRANDON POWELL (brandon.powell@state.nm.us); jtaschek@slo.state.nm.us; Jonathan Kelly (jonathan.kelly@state.nm.us)
Cc: Nee, Martin; McDaniel, James; Brownlee, Thomas; Divine, Olan; Ashcroft, Loron; Gusdorf, Matthew
Subject: 24 Notification of Release (Stanolind Gas Com B #2- 30-045-32209)

Brandon/John,

Please accept this email as the required notification of a release at the Stanolind Gas Com B #2 well site (30-045-32209) located in Section 9 (I), Township 32N, Range 12W, San Juan County, New Mexico. On February 10, 2014 release of produced water was discovered from a water transfer line to the south east of the Stanolind Gas Com B #2 well site in the pipeline right of way. The water travelled down the pipeline right of way approximately 200 feet before entering Jaquez Arroyo. The spill travelled an additional 2,500 to 2,900 feet in Jaquez arroyo before coming to an end. Approximately 60 BBL. of water has been removed from the arroyo at low points with access. Jaquez Arroyo is a dry arroyo that runs into McDermott Arroyo after approximately 3.2 miles. McDermott Arroyo travels to the La Plata River approximately after 7.5 miles. Water samples were collected at the source of the release, the middle of the release and the end of release to be analyzed for Cation/Anion Balance and BTEX. Soil samples were collected at same intervals to be analyzed for DRO/GRO, BTEX and Chlorides. The site has been ranked a 40 due to an estimated depth to groundwater less than 50 feet, and a distance to a named wash less than 200 feet from the source of the release. Thank you and if you have any questions or concerns do not hesitate to contact me at any time.

Thank You!

XTO ENERGY INC., an ExxonMobil subsidiary

Logan Hixon | 72 Suttle Street, Suite J | Durango, CO 81303 | ph: 970-247-7708 | Cell: 505-386-8018

Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Logan_Hixon@xtoenergy.com

Hixon, Logan

From: Hixon, Logan
Sent: Thursday, February 13, 2014 6:05 AM
To: BRANDON POWELL (brandon.powell@state.nm.us); jtaschek@slo.state.nm.us; Jonathan Kelly (jonathan.kelly@state.nm.us)
Cc: Nee, Martin; McDaniel, James; Brownlee, Thomas; Divine, Olan; Ashcroft, Loron; Gusdorf, Matthew; Hoekstra, Kurt
Subject: Stanolind Gas Com B #2 (30-045-32209) Sample Results.
Attachments: Draft Results 2-10-14.pdf

Brandon,

As discussed, here are the preliminary spill results from the Stanolind Gas Com B #2 water spill. As you can see from the results, there is very little chloride in the water, and virtually no BTEX at the source of the release in the water and very little chloride and non-detect for BTEX in the soil at the source. The soil sample and the water sample from the middle and end of the spill were non-detect for BTEX and very low on chlorides. I do not believe this spill presents an issue to human health and the environment, and I propose we close the release as-is. If you have any questions or concerns do not hesitate to contact me at any time. Thank you and have a good day!

Thank You!

XTO ENERGY INC., an ExxonMobil subsidiary

Logan Hixon | 72 Suttle Street, Suite J | Durango, CO 81303 | ph: 970-247-7708 | Cell: 505-386-8018

Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Logan_Hixon@xtoenergy.com



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0353

Samples Received: 2/11/2014 12:04:00PM

Job Number: 98031-0528

Work Order: P402025

Project Name/Location: Stanolind Gas Com B #2

Entire Report Reviewed By:

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

Date: 2/13/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 2/13/14 9:28 am

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: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Source Water	P402025-01A	Water	02/10/14	02/11/14	Voa vial, 40mL, HCl
	P402025-01B	Water	02/10/14	02/11/14	Voa vial, 40mL, HCl
	P402025-01C	Water	02/10/14	02/11/14	Poly 500mL
	P402025-01D	Water	02/10/14	02/11/14	Poly 500mL
Source Soil	P402025-02A	Soil	02/10/14	02/11/14	Glass Jar, 4 oz.
Mid Water	P402025-03A	Water	02/10/14	02/11/14	Voa vial, 40mL, HCl
	P402025-03B	Water	02/10/14	02/11/14	Voa vial, 40mL, HCl
	P402025-03C	Water	02/10/14	02/11/14	Poly 500mL
	P402025-03D	Water	02/10/14	02/11/14	Poly 500mL
Mid Soil	P402025-04A	Soil	02/10/14	02/11/14	Glass Jar, 4 oz.
End Water	P402025-05A	Water	02/10/14	02/11/14	Voa vial, 40mL, HCl
	P402025-05B	Water	02/10/14	02/11/14	Voa vial, 40mL, HCl
	P402025-05C	Water	02/10/14	02/11/14	Poly 500mL
	P402025-05D	Water	02/10/14	02/11/14	Poly 500mL
End Soil	P402025-06A	Soil	02/10/14	02/11/14	Glass Jar, 4 oz.

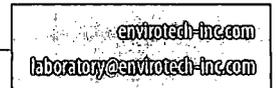
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Ph (970) 259-0615 Fr (800) 362-1879





XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Source Water
P402025-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	0.01	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Toluene	0.04	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Ethylbenzene	0.008	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
p,m-Xylene	0.08	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
o-Xylene	0.04	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Total Xylenes	0.12	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Total BTEX	0.18	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		117 %		80-120	1407018	02/12/14	02/12/14	EPA 8021B	
Surrogate: Bromochlorobenzene		111 %		80-120	1407018	02/12/14	02/12/14	EPA 8021B	
Cation/Anion Analysis									
pH @10.5°C	7.11		pH Units	1	1407015	02/11/14 15:32	02/11/14 15:34	EPA 150.1	
Electrical Conductivity	11000		umhos/cm	1	1407015	02/11/14 15:32	02/11/14 15:34	EPA 120.1	
Total Dissolved Solids	8380		mg/L	1	1407022	02/12/14	02/12/14	EPA 160.1	
Sodium Absorption Ratio	171		N/A	1	1407026	02/12/14	02/12/14	[CALC]	
Total Alkalinity as CaCO3	6620	100	mg/L	10	1407024	02/12/14	02/12/14	Hach Method 8203	
Total Hardness as CaCO3	153	0.07	mg/L		[CALC]	02/12/14	02/12/14	[CALC]	
Bicarbonate as CaCO3	6620	100	mg/L	10	1407024	02/12/14	02/12/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1407024	02/12/14	02/12/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1407024	02/12/14	02/12/14	Hach Method 8203	
Nitrate-N	ND	4.00	mg/L	20	1407014	02/11/14 15:30	02/11/14 18:10	EPA 300.0	
Nitrite-N	ND	2.00	mg/L	20	1407014	02/11/14 15:30	02/11/14 18:10	EPA 300.0	
Chloride	829	20.0	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
Fluoride	ND	2.00	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
o-Phosphate	ND	40.0	mg/L	20	1407014	02/11/14 15:30	02/11/14 18:10	EPA 300.0	
Sulfate	ND	80.0	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
Iron	0.04	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Calcium	43.7	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Magnesium	10.6	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Potassium	32.4	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Sodium	4870	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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**Source Soil
P402025-02 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Limit	Units							
<u>Volatile Organics by EPA 8021</u>										
Benzene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Toluene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Ethylbenzene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
p,m-Xylene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
o-Xylene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Total Xylenes	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Total BTEX	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
<i>Surrogate: 1,3-Dichlorobenzene</i>		105 %		80-120	1407016	02/11/14	02/12/14	EPA 8021B		
<i>Surrogate: Bromochlorobenzene</i>		111 %		80-120	1407016	02/11/14	02/12/14	EPA 8021B		
<u>Nonhalogenated Organics by 8015</u>										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	59.9	mg/kg	2	1407013	02/11/14	02/12/14	EPA 8015D		
<u>Cation/Anion Analysis</u>										
Chloride	287	9.86	mg/kg	1	1407017	02/11/14	02/12/14	EPA 300.0		

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Mid Water
P402025-03 (Water)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Toluene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Ethylbenzene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
p,m-Xylene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
o-Xylene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Total Xylenes	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Total BTEX	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		118 %		80-120	1407018	02/12/14	02/12/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		111 %		80-120	1407018	02/12/14	02/12/14	EPA 8021B	
Cation/Anion Analysis									
pH @10.4°C	8.34		pH Units	1	1407015	02/11/14 15:32	02/11/14 15:34	EPA 150.1	
Electrical Conductivity	11100		umhos/cm	1	1407015	02/11/14 15:32	02/11/14 15:34	EPA 120.1	
Total Dissolved Solids	8550		mg/L	1	1407022	02/12/14	02/12/14	EPA 160.1	
Sodium Absorption Ratio	205		N/A	1	1407026	02/12/14	02/12/14	[CALC]	
Total Alkalinity as CaCO3	6630	100	mg/L	10	1407024	02/12/14	02/12/14	Hach Method 8203	
Total Hardness as CaCO3	94.2	0.07	mg/L		[CALC]	02/12/14	02/12/14	[CALC]	
Bicarbonate as CaCO3	6630	100	mg/L	10	1407024	02/12/14	02/12/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1407024	02/12/14	02/12/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1407024	02/12/14	02/12/14	Hach Method 8203	
Nitrate-N	ND	4.00	mg/L	20	1407014	02/11/14 15:30	02/11/14 19:15	EPA 300.0	
Nitrite-N	ND	2.00	mg/L	20	1407014	02/11/14 15:30	02/11/14 19:15	EPA 300.0	
Chloride	825	20.0	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
Fluoride	ND	2.00	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
o-Phosphate	ND	40.0	mg/L	20	1407014	02/11/14 15:30	02/11/14 19:15	EPA 300.0	
Sulfate	ND	80.0	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
Iron	0.04	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Calcium	20.7	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Magnesium	10.3	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Potassium	29.0	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Sodium	4580	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Mid Soil
P402025-04 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		105 %		80-120	1407016	02/11/14	02/12/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		113 %		80-120	1407016	02/11/14	02/12/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	59.9	mg/kg	2	1407013	02/11/14	02/12/14	EPA 8015D	
Cation/Anion Analysis									
Chloride	286	9.82	mg/kg	1	1407017	02/11/14	02/12/14	EPA 300.0	

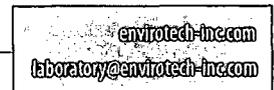
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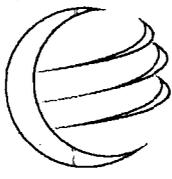
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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End Water
P402025-05 (Water)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Toluene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Ethylbenzene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
p,m-Xylene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
o-Xylene	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Total Xylenes	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
Total BTEX	ND	0.001	mg/L	1	1407018	02/12/14	02/12/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		105 %		80-120	1407018	02/12/14	02/12/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		97.5 %		80-120	1407018	02/12/14	02/12/14	EPA 8021B	
Cation/Anion Analysis									
pH @8.4°C	8.13		pH Units	1	1407015	02/11/14 15:32	02/11/14 15:34	EPA 150.1	
Electrical Conductivity	10300		umhos/cm	1	1407015	02/11/14 15:32	02/11/14 15:50	EPA 120.1	
Total Dissolved Solids	7740		mg/L	1	1407022	02/12/14	02/12/14	EPA 160.1	
Sodium Absorption Ratio	176		N/A	1	1407026	02/12/14	02/12/14	[CALC]	
Total Alkalinity as CaCO3	6120	100	mg/L	10	1407024	02/12/14	02/12/14	Hach Method 8203	
Total Hardness as CaCO3	133	0.07	mg/L		[CALC]	02/12/14	02/12/14	[CALC]	
Bicarbonate as CaCO3	6120	100	mg/L	10	1407024	02/12/14	02/12/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1407024	02/12/14	02/12/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1407024	02/12/14	02/12/14	Hach Method 8203	
Nitrate-N	ND	4.00	mg/L	20	1407014	02/11/14 15:30	02/11/14 19:36	EPA 300.0	
Nitrite-N	ND	2.00	mg/L	20	1407014	02/11/14 15:30	02/11/14 19:36	EPA 300.0	
Chloride	813	20.0	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
Fluoride	ND	2.00	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
o-Phosphate	ND	40.0	mg/L	20	1407014	02/11/14 15:30	02/11/14 19:36	EPA 300.0	
Sulfate	ND	80.0	mg/L	20	1407014	02/11/14	02/11/14	EPA 300.0	
Iron	0.02	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Calcium	26.3	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Magnesium	16.2	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Potassium	30.8	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	
Sodium	4660	0.01	mg/L	1	1407019	02/12/14	02/12/14	EPA 6010C	

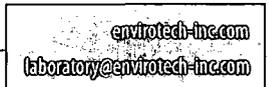
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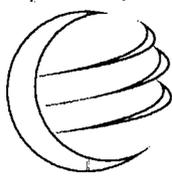
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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End Soil
P402025-06 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Limit	Units							
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Toluene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Ethylbenzene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
p,m-Xylene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
o-Xylene	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Total Xylenes	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
Total BTEX	ND	0.05	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8021B		
<i>Surrogate: 1,3-Dichlorobenzene</i>		103 %		80-120	1407016	02/11/14	02/12/14	EPA 8021B		
<i>Surrogate: Bromochlorobenzene</i>		115 %		80-120	1407016	02/11/14	02/12/14	EPA 8021B		
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1407016	02/11/14	02/12/14	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	59.9	mg/kg	2	1407013	02/11/14	02/12/14	EPA 8015D		
Cation/Anion Analysis										
Chloride	275	9.75	mg/kg	1	1407017	02/11/14	02/12/14	EPA 300.0		

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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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 1407016 - Purge and Trap EPA 5030A

Blank (1407016-BLK1)			Prepared: 11-Feb-14 Analyzed: 12-Feb-14							
Benzene	ND	0.05	mg/kg							
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	"							
Surrogate: 1,3-Dichlorobenzene	51.7		ug/L	50.0		103	80-120			
Surrogate: Bromochlorobenzene	53.6		"	50.0		107	80-120			

Duplicate (1407016-DUP1)			Source: P402025-02		Prepared: 11-Feb-14 Analyzed: 12-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	51.9		ug/L	50.0		104	80-120			
Surrogate: Bromochlorobenzene	55.7		"	50.0		111	80-120			

Matrix Spike (1407016-MS1)			Source: P402025-02		Prepared: 11-Feb-14 Analyzed: 12-Feb-14					
Benzene	50.7		ug/L	50.0	ND	101	39-150			
Toluene	50.9		"	50.0	ND	102	46-148			
Ethylbenzene	50.5		"	50.0	ND	101	32-160			
p,m-Xylene	102		"	100	ND	102	46-148			
o-Xylene	50.5		"	50.0	ND	101	46-148			
Surrogate: 1,3-Dichlorobenzene	50.7		"	50.0		101	80-120			
Surrogate: Bromochlorobenzene	54.1		"	50.0		108	80-120			

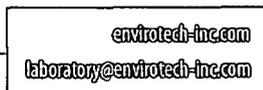
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Volatile Organics by EPA 8021 - 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 1407018 - Purge and Trap EPA 5030A

Blank (1407018-BLK1)			Prepared & Analyzed: 12-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	"							
Surrogate: 1,3-Dichlorobenzene	52.9		ug/l.	50.0		106	80-120			
Surrogate: Bromochlorobenzene	56.5		"	50.0		113	80-120			

Duplicate (1407018-DUP1)			Source: P402025-05		Prepared & Analyzed: 12-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
Surrogate: 1,3-Dichlorobenzene	50.2		ug/l.	50.0		100	80-120			
Surrogate: Bromochlorobenzene	53.7		"	50.0		107	80-120			

Matrix Spike (1407018-MS1)			Source: P402025-05		Prepared & Analyzed: 12-Feb-14					
Benzene	0.05	0.001	mg/L	0.0500	ND	97.0	39-150			
Toluene	0.05	0.001	"	0.0500	ND	97.2	46-148			
Ethylbenzene	0.05	0.001	"	0.0500	ND	97.8	32-160			
p,m-Xylene	0.10	0.001	"	0.100	ND	99.3	46-148			
o-Xylene	0.05	0.001	"	0.0500	ND	102	46-148			
Surrogate: 1,3-Dichlorobenzene	51.0		ug/l.	50.0		102	80-120			
Surrogate: Bromochlorobenzene	53.9		"	50.0		108	80-120			

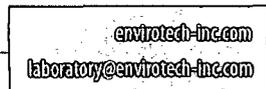
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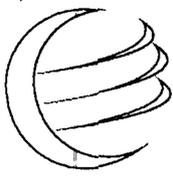
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Nonhalogenated Organics by 8015 - 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 1407013 - DRO Extraction EPA 3550C

Blank (1407013-BLK1)		Prepared: 11-Feb-14 Analyzed: 12-Feb-14								
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg							
Duplicate (1407013-DUP1)		Source: P402025-02		Prepared: 11-Feb-14 Analyzed: 12-Feb-14						
Diesel Range Organics (C10-C28)	ND	59.9	mg/kg		ND				30	
Matrix Spike (1407013-MS1)		Source: P402025-02		Prepared: 11-Feb-14 Analyzed: 12-Feb-14						
Diesel Range Organics (C10-C28)	138	31.5	mg/kg	263	ND	52.7	75-125			SPK 1

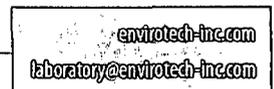
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Nonhalogenated Organics by 8015 - 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 1407016 - Purge and Trap EPA 5030A

Blank (1407016-BLK1)		Prepared: 11-Feb-14 Analyzed: 12-Feb-14								
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1407016-DUP1)		Source: P402025-02 Prepared: 11-Feb-14 Analyzed: 12-Feb-14								
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1407016-MS1)		Source: P402025-02 Prepared: 11-Feb-14 Analyzed: 12-Feb-14								
Gasoline Range Organics (C6-C10)	0.50		mg/L	0.450	0.03	104	75-125			

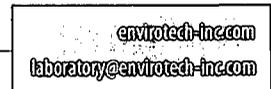
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch 1407014 - Anion Extraction EPA 300.0

Blank (1407014-BLK1)				Prepared & Analyzed: 11-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	"							

LCS (1407014-BS1)				Prepared & Analyzed: 11-Feb-14						
Nitrate-N	4.73	0.20	mg/L	5.00		94.7	90-110			
Nitrite-N	4.89	0.10	"	5.00		97.7	90-110			
Chloride	47.6	1.00	"	50.0		95.1	90-110			
Fluoride	4.95	0.10	"	5.00		99.0	90-110			
o-Phosphate	23.8	2.00	"	25.0		95.3	90-110			
Sulfate	47.5	4.00	"	50.0		95.0	90-110			

Matrix Spike (1407014-MS1)				Source: P402025-01		Prepared & Analyzed: 11-Feb-14				
Nitrate-N	105	4.00	mg/L	100	ND	105	80-120			
Nitrite-N	107	2.00	"	100	ND	107	80-120			
Chloride	1800	20.0	"	1000	829	97.1	80-120			
Fluoride	107	2.00	"	100	ND	107	80-120			
o-Phosphate	525	40.0	"	500	ND	105	80-120			
Sulfate	1050	80.0	"	1000	ND	105	80-120			

Matrix Spike Dup (1407014-MSD1)				Source: P402025-01		Prepared & Analyzed: 11-Feb-14				
Nitrate-N	107	4.00	mg/L	100	ND	107	80-120	1.87	20	
Nitrite-N	110	2.00	"	100	ND	110	80-120	2.73	20	
Chloride	1820	20.0	"	1000	829	99.3	80-120	1.20	20	
Fluoride	105	2.00	"	100	ND	105	80-120	1.09	20	
o-Phosphate	536	40.0	"	500	ND	107	80-120	2.05	20	
Sulfate	1070	80.0	"	1000	ND	107	80-120	1.93	20	

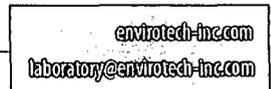
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1407017 - Anion Extraction EPA 300.0										
Blank (1407017-BLK1) Prepared: 11-Feb-14 Analyzed: 12-Feb-14										
Chloride	ND	9.76	mg/kg							
LCS (1407017-BS1) Prepared: 11-Feb-14 Analyzed: 12-Feb-14										
Chloride	505	9.92	mg/kg	496		102	90-110			
Matrix Spike (1407017-MS1) Source: P402025-02 Prepared: 11-Feb-14 Analyzed: 12-Feb-14										
Chloride	799	9.76	mg/kg	488	287	105	80-120			
Matrix Spike Dup (1407017-MSD1) Source: P402025-02 Prepared: 11-Feb-14 Analyzed: 12-Feb-14										
Chloride	759	9.82	mg/kg	491	287	96.1	80-120	5.15	20	

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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



XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Stanolind Gas Com B #2 Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 13-Feb-14 09:35
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Notes and Definitions

- SPK1 The spike recovery for this QC sample is outside of 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

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*Rush

	Quote Number		Page <u>1</u> of <u>1</u>		Analysis Cation/Anion BTEX (8021) DRO/GRO (8015) Chlorides				Lab Information		
	XTO Contact <i>Logan Hixon</i>		XTO Contact Phone # <i>505 396-8018</i>						Office Abbreviations		
	Email Results to: <i>Logan, Kurt, James</i>								Farmington = FAR Durango = DUR Bakken = BAK Raton = RAT Piceance = PC Roosevelt = RSV La Barge = LB Orangeville = OV		
Well Site/Location <i>Standalone Gas Com B#2</i>	API Number <i>20-045-32209</i>		Test Reason <i>fecal sp. 11</i>								
Collected By <i>Logan Hixon</i>	Samples on Ice <i>(N)</i>		Turnaround								
Company <i>XTO</i>	QA/QC Requested		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)								
Signature <i>[Signature]</i>	Gray Areas for Lab Use Only!		Date Needed								
Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.					Sample Number
<i>FARLH-021014-16:50</i>	<i>Source water</i>	<i>PW</i>	<i>2-10</i>	<i>16:50</i>	<i>Cool</i>	<i>2-500, 2-10</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>P402025-01</i>
<i>FARLH-021014-16:50</i>	<i>Source Soil</i>	<i>S</i>	<i>2-10</i>	<i>16:50</i>		<i>1-462</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>P402025-02</i>
<i>FARLH-021014-17:00</i>	<i>Mid water</i>	<i>PW</i>	<i>2-10</i>	<i>17:00</i>		<i>2-500, 2-10</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>P402025-03</i>
<i>FARLH-021014-17:00</i>	<i>Mid soil</i>	<i>S</i>	<i>2-10</i>	<i>17:00</i>		<i>1-402</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>P402025-04</i>
<i>FARLH-021014-17:20</i>	<i>End water</i>	<i>PW</i>	<i>2-10</i>	<i>17:20</i>		<i>2-500, 2-10</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>P402025-05</i>
<i>FARLH-021014-17:20</i>	<i>End soil</i>	<i>S</i>	<i>2-10</i>	<i>17:20</i>		<i>1-462</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>P402025-06</i>
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>[Signature]</i>			Date: <i>2-11-14</i>		Time: <i>12:00</i>		Received By: (Signature)			Number of Bottles: <i>15</i>	
Relinquished By: (Signature)			Date:		Time:		Received By: (Signature)			Temperature: <i>8.4</i>	
Relinquished By: (Signature)			Date:		Time:		Received for Lab by: (Signature) <i>[Signature]</i>			Date: <i>2/11/14</i> Time: <i>12:00</i>	
Comments: <i>8.5 6.6 10.2</i>											

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

0353