

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 A 4	Facility Type: Gas Well	
Surface Owner: Federal Land	Mineral Owner	API No. 30-045-32675

LOCATION OF RELEASE

Unit Letter P	Section 29	Township 31 N	Range 12W	Feet from the 1085	North/South Line FSL	Feet from the 865	East/West Line FEL	County San Juan
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Latitude: N36\*.86611 Longitude: W-108\*.115

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: September 9, 2014
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	OIL CONS. DIV DIST. 3
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	OCT 04 2014

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The below grade tank was taken out of service at the Stanolind A 4 well site due to upgrades being made to this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for Benzene, Total BTEX and TPH, but above the 'pit rule' standards for total chlorides, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 0 due to an estimated depth to groundwater of greater than 100 feet, distance to water well greater than 1000 feet, and distance to surface water greater than 1000 feet. This set the closure standard to 5000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.\*

Based on chloride results of 750 ppm a release has been confirmed at this location. The BGT closure composite sample returned results below the regulatory standards determined for this site pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. All applicable analytical results are attached for your reference. No further action is required at 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>[Signature]</i>	
Title: EHS Coordinator	Approval Date: <i>11/21/14</i>	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>October 2, 2014</i>	Phone: 505-333-3683	

\* Attach Additional Sheets If Necessary

#NCS 1432556333

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12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Logan Hixon  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

### Report Summary

Tuesday September 09, 2014

Report Number: L720181

Samples Received: 09/06/14

Client Project:

Description: STANOLIND A 4

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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Mt. Juliet, TN 37122  
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REPORT OF ANALYSIS

Logan Hixon  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

September 09, 2014

Date Received : September 06, 2014  
Description : STANOLIND A 4

ESC Sample # : L720181-01

Sample ID : FARLH-090514-1130

Site ID :

Collected By : Logan Hixon  
Collection Date : 09/05/14 11:30

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	750	57.	mg/kg	9056MOD	09/08/14	5
Total Solids	88.2		%	2540 G-2011	09/08/14	1
Benzene	BDL	0.0028	mg/kg	8021	09/07/14	5
Toluene	BDL	0.028	mg/kg	8021	09/07/14	5
Ethylbenzene	BDL	0.0028	mg/kg	8021	09/07/14	5
Total Xylene	BDL	0.0085	mg/kg	8021	09/07/14	5
TPH (GC/FID) Low Fraction	BDL	0.57	mg/kg	8015	09/07/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	97.5		% Rec.	8015	09/07/14	5
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021	09/07/14	5
TPH (GC/FID) High Fraction	BDL	4.5	mg/kg	3546/DRO	09/08/14	1
Surrogate recovery(%)						
o-Terphenyl	53.8		% Rec.	3546/DRO	09/08/14	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 09/09/14 12:20 Printed: 09/09/14 13:23



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Logan Hixon  
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Level II

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Analyte	Result	Laboratory Blank Units % Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%		WG741465	09/08/14 09:36
Chloride	< 10	mg/kg		WG741485	09/08/14 09:33
Benzene	< .0005	mg/kg		WG741537	09/06/14 23:00
Ethylbenzene	< .0005	mg/kg		WG741537	09/06/14 23:00
Toluene	< .005	mg/kg		WG741537	09/06/14 23:00
TPH (GC/FID) Low Fraction	< .1	mg/kg		WG741537	09/06/14 23:00
Total Xylene	< .0015	mg/kg		WG741537	09/06/14 23:00
a,a,a-Trifluorotoluene(FID)		% Rec. 98.60	59-128	WG741537	09/06/14 23:00
a,a,a-Trifluorotoluene(PID)		% Rec. 104.0	54-144	WG741537	09/06/14 23:00
TPH (GC/FID) High Fraction	< 4	mg/kg		WG741599	09/08/14 13:15
o-Terphenyl		% Rec. 79.10	50-150	WG741599	09/08/14 13:15

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	82.0	81.5	0.611	5	L720209-02	WG741465

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG741465
Chloride	mg/kg	200	210.	105.	80-120	WG741485
Benzene	mg/kg	.05	0.0425	85.0	70-130	WG741537
Ethylbenzene	mg/kg	.05	0.0457	91.4	70-130	WG741537
Toluene	mg/kg	.05	0.0441	88.3	70-130	WG741537
Total Xylene	mg/kg	.15	0.138	92.1	70-130	WG741537
a,a,a-Trifluorotoluene(FID)				99.70	59-128	WG741537
a,a,a-Trifluorotoluene(PID)				104.0	54-144	WG741537
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.13	75.0	63.5-137	WG741537
a,a,a-Trifluorotoluene(FID)				98.60	59-128	WG741537
a,a,a-Trifluorotoluene(PID)				110.0	54-144	WG741537
TPH (GC/FID) High Fraction	mg/kg	60	46.9	78.2	50-150	WG741599
o-Terphenyl				76.00	50-150	WG741599

Analyte	Units	Laboratory Control Result	Sample Ref	Duplicate %Rec	Limit	RPD	Limit	Batch
Chloride	mg/kg	206.	210.	103.	80-120	2.00	20	WG741485
Benzene	mg/kg	0.0430	0.0425	86.0	70-130	1.08	20	WG741537
Ethylbenzene	mg/kg	0.0455	0.0457	91.0	70-130	0.410	20	WG741537
Toluene	mg/kg	0.0438	0.0441	88.0	70-130	0.660	20	WG741537
Total Xylene	mg/kg	0.137	0.138	91.0	70-130	0.790	20	WG741537
a,a,a-Trifluorotoluene(FID)				98.70	59-128			WG741537
a,a,a-Trifluorotoluene(PID)				102.0	54-144			WG741537
TPH (GC/FID) Low Fraction	mg/kg	4.03	4.13	73.0	63.5-137	2.43	20	WG741537

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



**YOUR LAB OF CHOICE**

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Aztec, NM 87410

Quality Assurance Report  
Level II

L720181

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Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
a,a,a-Trifluorotoluene(FID)				98.60		59-128			
a,a,a-Trifluorotoluene(PID)				109.0		54-144			
TPH (GC/FID) High Fraction	mg/kg	48.4	46.9	81.0		50-150	3.21	20	WG741599
o-Terphenyl				77.40		50-150			WG741599

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	0.200	0.000457	.05	80.0	49.7-127	L720186-01	WG741537
Ethylbenzene	mg/kg	0.214	0.000524	.05	85.0	40.8-141	L720186-01	WG741537
Toluene	mg/kg	0.210	0.00124	.05	84.0	49.8-132	L720186-01	WG741537
Total Xylene	mg/kg	0.650	0.0	.15	87.0	41.2-140	L720186-01	WG741537
a,a,a-Trifluorotoluene(FID)					97.90	59-128		WG741537
a,a,a-Trifluorotoluene(PID)					102.0	54-144		WG741537
TPH (GC/FID) Low Fraction	mg/kg	17.2	0.142	5.5	62.0	28.5-138	L720186-01	WG741537
a,a,a-Trifluorotoluene(FID)					97.10	59-128		WG741537
a,a,a-Trifluorotoluene(PID)					107.0	54-144		WG741537
TPH (GC/FID) High Fraction	mg/kg	44.7	0.318	60	74.0	50-150	L720181-01	WG741599
o-Terphenyl					74.80	50-150		WG741599

Analyte	Units	Matrix Spike		Duplicate		Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec						
Benzene	mg/kg	0.201	0.200	80.3		49.7-127	0.490	23.5	L720186-01	WG741537
Ethylbenzene	mg/kg	0.209	0.214	83.5		40.8-141	2.23	23.8	L720186-01	WG741537
Toluene	mg/kg	0.205	0.210	81.5		49.8-132	2.37	23.5	L720186-01	WG741537
Total Xylene	mg/kg	0.631	0.650	84.2		41.2-140	2.86	23.7	L720186-01	WG741537
a,a,a-Trifluorotoluene(FID)				97.30		59-128				WG741537
a,a,a-Trifluorotoluene(PID)				102.0		54-144				WG741537
TPH (GC/FID) Low Fraction	mg/kg	17.5	17.2	63.1		28.5-138	1.79	23.6	L720186-01	WG741537
a,a,a-Trifluorotoluene(FID)				96.40		59-128				WG741537
a,a,a-Trifluorotoluene(PID)				107.0		54-144				WG741537
TPH (GC/FID) High Fraction	mg/kg	42.2	44.7	69.8		50-150	5.72	20	L720181-01	WG741599
o-Terphenyl				71.70		50-150				WG741599

Batch number / Run number / Sample number cross reference

WG741465: R2986546: L720181-  
WG741485: R2986791: L720181-  
WG741537: R2986807: L720181-  
WG741599: R2987043: L720181-

\* \* Calculations are performed prior to rounding of reported values.

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.



<b>XTO ENERGY</b> Western Division		Quote Number		Page <u>1</u> of <u>1</u>		<b>Analysis</b> <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015 (DRO + GAO)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8021 (BTEX)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>						<b>Lab Information</b>  <b>Office Abbreviations</b> Farmington = FAR Durango = DUR Bakken = BAK Raton = RAT Piceance = PC Roosevelt = RSV La Barge = LB Orangeville = OV	
		XTO Contact <u>Logan H.</u>		XTO Contact Phone # <u>505 386 8018</u>									
		Email Results to: <u>Logan, Kurt, James</u>											
		Well Site/Location <u>STANGLIND A4</u>		API Number <u>30-045-32675</u>		Test Reason <u>Bgt closure</u>							
Collected By <u>Logan H.</u>		Samples on Ice <u>(N)</u>		Turnaround <u>standard</u>									
Company <u>XTO</u>		QA/QC Requested		<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 <u>Logan H.</u>		Gray Areas for Lab Use Only!		Date Needed									
Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Sample Number <u>6770131-01</u> <div style="border: 1px solid black; padding: 5px; display: inline-block;">B087</div>						
<u>FARLN-090514-1130</u>	<u>Bgt composite</u>	<u>S</u>	<u>9/5</u>	<u>1130</u>	<u>cool</u>	<u>1-462</u>							
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) <u>Logan H.</u>		Date: <u>9-5-14</u>		Time: <u>1404</u>		Received By: (Signature)		Number of Bottles		Sample Condition			
Relinquished By: (Signature)		Date:		Time:		Received By: (Signature)		Temperature: <u>21</u>		Other Information			
Relinquished By: (Signature)		Date:		Time:		Received for Lab by: (Signature) <u>Lab Name</u>		Date: <u>9/6/14</u> Time: <u>9:00</u>					
Comments													

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

0400