

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: Ute Indians A 29	Facility Type: Gas Well

Surface Owner: Tribal Trust or Indian Allotment	Mineral Owner	API No. 30-045-30030
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**LOCATION OF RELEASE**

Unit Letter K	Section 36	Township 32 N	Range 14W	Feet from the 1510	North/South Line FSL	Feet from the 2100	East/West Line FWL	County San Juan
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Latitude: N36°941364 Longitude: W-108°262125

**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: June 30, 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	<b>OIL CONS. DIV DIST. 3</b> <b>DEC 03 2014</b>
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The below grade tank was taken out of service at the Ute Indians A 29 well site due to the P&A'ing of 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, but above the 'pit rule' standards for TPH and 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 1,000 feet. This set the closure standard to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.\*

Based on TPH results of 643 ppm via USEPA Method 418.1 and chloride results of 580 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 regarding this incident.

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: <i>12/9/14</i>	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval: <i>Site Rank 10</i>	Attached <input type="checkbox"/>
Date: September 24, 2014	Phone: 505-333-3683	

\* Attach Additional Sheets If Necessary

*Results Below STANDARD'S*  
*ANCS1434330582*

14



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

Monday June 30, 2014

Report Number: L707097

Samples Received: 06/27/14

Client Project:

Description: Lite Indians A 29

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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# REPORT OF ANALYSIS

June 30, 2014

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

ESC Sample # : L707097-01

Date Received : June 27, 2014  
Description : Lite Indians A 29

Site ID :

Sample ID : FARLH-062614-1140

Project # :

Collected By : JH  
Collection Date : 06/26/14 11:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	580	12.	mg/kg	9056	06/28/14	1
Total Solids	82.9		%	2540 G-2011	06/29/14	1
Benzene	BDL	0.0030	mg/kg	8021/8015	06/28/14	5
Toluene	BDL	0.030	mg/kg	8021/8015	06/28/14	5
Ethylbenzene	BDL	0.0030	mg/kg	8021/8015	06/28/14	5
Total Xylene	BDL	0.0090	mg/kg	8021/8015	06/28/14	5
TPH (GC/FID) Low Fraction	BDL	0.60	mg/kg	GRO	06/28/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.4		% Rec.	8021/8015	06/28/14	5
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	06/28/14	5
TPH (GC/FID) High Fraction	19.	4.8	mg/kg	3546/DRO	06/28/14	1
Surrogate recovery(%)						
o-Terphenyl	71.1		% Rec.	3546/DRO	06/28/14	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.

The reported analytical results relate only to the sample submitted

Reported: 06/30/14 14:24 Printed: 06/30/14 14:25

Summary of Remarks For Samples Printed  
06/30/14 at 14:25:11

TSR Signing Reports: 288  
R2 - Rush: Next Day

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James,  
Kurt and Logan all reports

Sample: L707097-01 Account: XTORNM Received: 06/27/14 09:00 Due Date: 06/30/14 00:00 RPT Date: 06/30/14 14:24



YOUR LAB OF CHOICE

XTO Energy - San Juan Division  
Logan Hixon  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L707097

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June 30, 2014

Analyte	Result	Laboratory Blank Units % Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction o-Terphenyl	< 4	mg/kg % Rec. 71.70	50-150	WG729012 WG729012	06/27/14 13:39 06/27/14 13:39
Benzene	< .0005	mg/kg		WG729053	06/27/14 22:48
Ethylbenzene	< .0005	mg/kg		WG729053	06/27/14 22:48
Toluene	< .005	mg/kg		WG729053	06/27/14 22:48
TPH (GC/FID) Low Fraction	< .1	mg/kg		WG729053	06/27/14 22:48
Total Xylene	< .0015	mg/kg		WG729053	06/27/14 22:48
a,a,a-Trifluorotoluene(FID)		% Rec. 97.40	59-128	WG729053	06/27/14 22:48
a,a,a-Trifluorotoluene(PID)		% Rec. 102.0	54-144	WG729053	06/27/14 22:48
Total Solids	< .1	%		WG729156	06/29/14 08:45
Chloride	< 10	mg/kg		WG729099	06/28/14 12:49

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	89.1	88.7	0.439	5	L707108-02	WG729156
Chloride	mg/kg	12000	11900	2.00	20	L707072-03	WG729099
Chloride	mg/kg	4900	4890	0.0	20	L707072-07	WG729099

Analyte	Units	Laboratory Control Sample Known Val Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	60 42.0	70.1 68.70	50-150 50-150	WG729012 WG729012
Benzene	mg/kg	.05	0.0451	90.2	70-130 WG729053
Ethylbenzene	mg/kg	.05	0.0465	92.9	70-130 WG729053
Toluene	mg/kg	.05	0.0461	92.2	70-130 WG729053
Total Xylene	mg/kg	.15	0.141	94.3	70-130 WG729053
a,a,a-Trifluorotoluene(FID)			97.40	59-128	WG729053
a,a,a-Trifluorotoluene(PID)			101.0	54-144	WG729053
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.78	105.	63.5-137 WG729053
a,a,a-Trifluorotoluene(FID)			98.40	59-128	WG729053
a,a,a-Trifluorotoluene(PID)			111.0	54-144	WG729053
Total Solids	%	50	50.1	100.	85-115 WG729156
Chloride	mg/kg	200	220.	110.	80-120 WG729099

Analyte	Units	Laboratory Control Sample Duplicate Result Ref %Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	44.1 42.0 74.0 70.80	50-150 50-150	4.86	20	WG729012 WG729012
Benzene	mg/kg	0.0496 0.0451 99.0	70-130	9.47	20	WG729053
Ethylbenzene	mg/kg	0.0503 0.0465 101.	70-130	8.00	20	WG729053

\* 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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XTO Energy - San Juan Division  
Logan Hixon  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L707097

June 30, 2014

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Toluene	mg/kg	0.0499	0.0461	100.	70-130	7.83	20	WG729053
Total Xylene	mg/kg	0.153	0.141	102.	70-130	7.81	20	WG729053
a,a,a-Trifluorotoluene(FID)				97.30	59-128			WG729053
a,a,a-Trifluorotoluene(PID)				101.0	54-144			WG729053
TPH (GC/FID) Low Fraction	mg/kg	5.75	5.78	105.	63.5-137	0.450	20	WG729053
a,a,a-Trifluorotoluene(FID)				99.00	59-128			WG729053
a,a,a-Trifluorotoluene(PID)				111.0	54-144			WG729053
Chloride	mg/kg	213.	220.	107.	80-120	3.00	20	WG729099

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	0.191	0.000311	.05	76.0	49.7-127	L706979-01	WG729053
Ethylbenzene	mg/kg	0.185	0.000388	.05	74.0	40.8-141	L706979-01	WG729053
Toluene	mg/kg	0.194	0.000938	.05	77.0	49.8-132	L706979-01	WG729053
Total Xylene	mg/kg	0.566	0.00171	.15	75.0	41.2-140	L706979-01	WG729053
a,a,a-Trifluorotoluene(FID)					96.10	59-128		WG729053
a,a,a-Trifluorotoluene(PID)					99.80	54-144		WG729053
TPH (GC/FID) Low Fraction	mg/kg	19.9	0.101	5.5	72.0	28.5-138	L706979-01	WG729053
a,a,a-Trifluorotoluene(FID)					96.40	59-128		WG729053
a,a,a-Trifluorotoluene(PID)					107.0	54-144		WG729053
TPH (GC/FID) High Fraction	mg/kg	32.5	2.51	60	50.0	50-150	L706428-01	WG729012
o-Terphenyl					65.20	50-150		WG729012

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/kg	0.213	0.191	85.2	49.7-127	10.9	23.5	L706979-01	WG729053
Ethylbenzene	mg/kg	0.200	0.185	79.9	40.8-141	7.67	23.8	L706979-01	WG729053
Toluene	mg/kg	0.210	0.194	83.5	49.8-132	7.49	23.5	L706979-01	WG729053
Total Xylene	mg/kg	0.608	0.566	80.9	41.2-140	7.15	23.7	L706979-01	WG729053
a,a,a-Trifluorotoluene(FID)				96.00	59-128				WG729053
a,a,a-Trifluorotoluene(PID)				99.60	54-144				WG729053
TPH (GC/FID) Low Fraction	mg/kg	20.7	19.9	75.0	28.5-138	4.26	23.6	L706979-01	WG729053
a,a,a-Trifluorotoluene(FID)				97.10	59-128				WG729053
a,a,a-Trifluorotoluene(PID)				107.0	54-144				WG729053
TPH (GC/FID) High Fraction	mg/kg	36.5	32.5	56.7	50-150	11.7	20	L706428-01	WG729012
o-Terphenyl				67.70	50-150				WG729012

Batch number /Run number / Sample number cross reference

WG729012: R2951045: L707097-01  
WG729053: R2951405: L707097-01  
WG729156: R2951973: L707097-01  
WG729099: R2952792: L707097-01

\* \* 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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Logan Hixon  
382 County Road 3100

Quality Assurance Report  
Level II

Aztec, NM 87410

L707097

June 30, 2014

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.







## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0073

Samples Received: 6/26/2014 12:52:00PM

Job Number: 98031-0528

Work Order: P406109

Project Name/Location: Ute Indians A 29

Entire Report Reviewed By:

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

Tim Cain, Laboratory Manager

Date: 6/30/14

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: Ute Indians A 29  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
30-Jun-14 15:34

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Composite	P406109-01A	Soil	06/26/14	06/26/14	Glass Jar, 4 oz.

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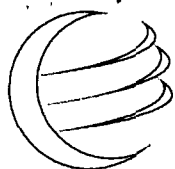
5796 US Highway 64, Farmington, NM 87401

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

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



# envirotech

Analytical Laboratory

XTO Energy Inc.	Project Name:	Ute Indians A 29	Reported: 30-Jun-14 15:34
382 CR 3100	Project Number:	98031-0528	
Aztec NM, 87410	Project Manager:	James McDaniel	

## BGT Composite

### P406109-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

#### Total Petroleum Hydrocarbons by 418.1

Total Petroleum Hydrocarbons	643	20.0	mg/kg	1	1426032	06/26/14	06/26/14	EPA 418.1		
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laboratory@envirotech-inc.com



XTO Energy Inc.	Project Name:	Ute Indians A 29	
382 CR 3100	Project Number:	98031-0528	Reported:
Aztec NM, 87410	Project Manager:	James McDaniel	30-Jun-14 15:34

**Total Petroleum Hydrocarbons by 418.1 - Quality Control.**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1426032 - 418 Freon Extraction**

**Blank (1426032-BLK1)**

Prepared & Analyzed: 26-Jun-14

Total Petroleum Hydrocarbons ND 20.0 mg/kg

**Duplicate (1426032-DUP1)**

Source: P406109-01

Prepared & Analyzed: 26-Jun-14

Total Petroleum Hydrocarbons 551 20.0 mg/kg 643 15.4 30

**Matrix Spike (1426032-MS1)**

Source: P406109-01

Prepared & Analyzed: 26-Jun-14

Total Petroleum Hydrocarbons 2570 20.0 mg/kg 2020 643 95.6 80-120

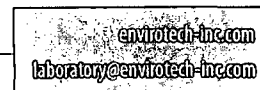
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XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Ute Indians A 29  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
30-Jun-14 15:34

### 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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