

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: Kurt Hoekstra	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100	
Facility Name: Ute Indians A # 37	Facility Type: Gas Well (Ute Dome Dakota)	
Surface Owner: Tribal	Mineral Owner	API No.: 30-045-31689

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	34	32N	14W	1900	FSL	1690	FEL	San Juan

Latitude 36.94252      Longitude -108.29333

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 3-12-2014
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**OIL CONS. DIV DIST. 3**

**AUG 22 2014**

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* The below grade tank was removed at the Ute Indians A # 37 well site due to P & A of the location. The soil beneath the BGT was sampled for TPH via USEPA Method 8015 and 418.1, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for benzene, and total BTEX, but above the TPH Standard of 100 ppm at 367 ppm via USEPA Method 418.1 and above the Chloride Standard of 250 ppm at 280 ppm via USEPA Method 9056, 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 30 due to an estimated depth to groundwater of less than 50 feet, distance to a water well greater than 1000 feet, and distance to surface water less than 1000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.\* Based on TPH results of 86 ppm via USEPA Method 8015 and chloride results of 280 ppm via USEPA Method 9056 this is below the Guidelines for the Remediation of Leaks, Spills and Releases standards. 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>Kurt Hoekstra</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Kurt Hoekstra		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: EHS Coordinator		Approval Date: <i>11/17/14</i>	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>8-19-2014</i> Phone: 505-333-3100			

\* Attach Additional Sheets If Necessary

*#10CS 143 2148756*

*(16)*



## Analytical Report

### Report Summary

Client: XTO Energy Inc.  
Chain Of Custody Number: 0460  
Samples Received: 3/6/2014 11:40:00AM  
Job Number: 98031-0528  
Work Order: P403017  
Project Name/Location: Ute Indians A #37

Entire Report Reviewed By:

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

Tim Cain, Laboratory Manager

Date: 3/12/14

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 #37  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
12-Mar-14 14:54

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P403017-01A	Soil	03/06/14	03/06/14	Glass Jar, 4 oz.

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



XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Ute Indians A #37  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
12-Mar-14 14:54

**BGT Cellar**  
**P403017-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Total Petroleum Hydrocarbons by 418.1**

Total Petroleum Hydrocarbons	367	20.0	mg/kg	1	1411012	03/12/14	03/12/14	EPA 418.1		
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XTO Energy Inc.	Project Name:	Ute Indians A #37	<b>Reported:</b> 12-Mar-14 14:54
382 CR 3100	Project Number:	98031-0528	
Aztec NM, 87410	Project Manager:	James McDaniel	

### 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
<b>Batch 1411012 - 418 Freon Extraction</b>										
<b>Blank (1411012-BLK1)</b>				Prepared & Analyzed: 12-Mar-14						
Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
<b>Duplicate (1411012-DUP1)</b>				Source: P403014-01 Prepared & Analyzed: 12-Mar-14						
Total Petroleum Hydrocarbons	28.0	20.0	mg/kg		24.0			15.5	30	
<b>Matrix Spike (1411012-MS1)</b>				Source: P403014-01 Prepared & Analyzed: 12-Mar-14						
Total Petroleum Hydrocarbons	1840	20.0	mg/kg	2000	24.0	91.0	80-120			

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Project Name: Ute Indians A #37  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
12-Mar-14 14:54

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

Page 6 of 6



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Est. 1970

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

### Report Summary

Wednesday March 12, 2014

Report Number: L686734

Samples Received: 03/07/14

Client Project: 30.045-31689

Description: UTE Indians A#37

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

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

March 12, 2014

Date Received : March 07, 2014  
Description : UTE Indians A#37  
Sample ID : FARKH-030614-0955  
Collected By : Kurt Hoekstra  
Collection Date : 03/06/14 09:55

ESC Sample # : L686734-01

Site ID :

Project # : 30.045-31689

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	280	12.	mg/kg	9056	03/12/14	1
Total Solids	86.4		%	2540 G-2011	03/11/14	1
Benzene	BDL	0.0029	mg/kg	8021/8015	03/09/14	5
Toluene	BDL	0.029	mg/kg	8021/8015	03/09/14	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	03/09/14	5
Total Xylene	BDL	0.0087	mg/kg	8021/8015	03/09/14	5
TPH (GC/FID) Low Fraction	BDL	0.58	mg/kg	GRO	03/09/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.8		% Rec.	8021/8015	03/09/14	5
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	03/09/14	5
TPH (GC/FID) High Fraction	86.	4.6	mg/kg	3546/DRO	03/09/14	1
Surrogate recovery(%)						
o-Terphenyl	99.5		% Rec.	3546/DRO	03/09/14	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: 03/12/14 13:50 Printed: 03/12/14 13:50

Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L686734-01	WG709917	SAMP	TPH (GC/FID). High Fraction	R2891638	J3

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
03/12/14 at 13:50:36

TSR Signing Reports: 288  
R5 - Desired TAT

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

Sample: L686734-01 Account: XTORNM Received: 03/07/14 09:30 Due Date: 03/14/14 00:00 RPT Date: 03/12/14 13:50



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XTO Energy - San Juan Division  
Logan Hixon  
382 County Road 3100  
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L686734

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Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg			WG709830	03/08/14 23:05
Ethylbenzene	< .0005	mg/kg			WG709830	03/08/14 23:05
Toluene	< .005	mg/kg			WG709830	03/08/14 23:05
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG709830	03/08/14 23:05
Total Xylene	< .0015	mg/kg			WG709830	03/08/14 23:05
a,a,a-Trifluorotoluene (FID)		% Rec.	100.0	59-128	WG709830	03/08/14 23:05
a,a,a-Trifluorotoluene (PID)		% Rec.	105.0	54-144	WG709830	03/08/14 23:05
TPH (GC/FID) High Fraction	< 4	mg/kg			WG709917	03/09/14 12:53
o-Terphenyl		% Rec.	95.50	50-150	WG709917	03/09/14 12:53
Total Solids	< .1	%			WG709812	03/11/14 06:48
Chloride	< 10	mg/kg			WG710186	03/11/14 22:13

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	88.4	89.7	1.39	5	L686727-18	WG709812
Chloride	mg/kg	32.0	0.0	NA	20	L686134-07	WG710186
Chloride	mg/kg	250.	240.	4.08	20	L686734-01	WG710186

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0507	101.	70-130	WG709830
Ethylbenzene	mg/kg	.05	0.0518	104.	70-130	WG709830
Toluene	mg/kg	.05	0.0516	103.	70-130	WG709830
Total Xylene	mg/kg	.15	0.159	106.	70-130	WG709830
a,a,a-Trifluorotoluene (PID)				104.0	54-144	WG709830
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.73	86.1	63.5-137	WG709830
a,a,a-Trifluorotoluene (FID)				101.0	59-128	WG709830
TPH (GC/FID) High Fraction	mg/kg	60	49.3	82.2	50-150	WG709917
o-Terphenyl				84.80	50-150	WG709917
Total Solids	%	50	50.0	100.	85-115	WG709812
Chloride	mg/kg	200	209.	105.	80-120	WG710186

Analyte	Units	Laboratory Control Sample Duplicate Result Ref %Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0528 0.0507 106.	70-130	3.93	20	WG709830
Ethylbenzene	mg/kg	0.0535 0.0518 107.	70-130	3.26	20	WG709830
Toluene	mg/kg	0.0532 0.0516 106.	70-130	2.99	20	WG709830
Total Xylene	mg/kg	0.164 0.159 109.	70-130	2.82	20	WG709830
a,a,a-Trifluorotoluene (PID)			104.0			WG709830
TPH (GC/FID) Low Fraction	mg/kg	4.75 4.73 86.0	54-144			WG709830
a,a,a-Trifluorotoluene (FID)			101.0			WG709830
			59-128			WG709830

\* 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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Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec	%Rec				
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	60.9	49.3	101. 109.0		50-150 50-150	21.0*	20	WG709917 WG709917
Chloride	mg/kg	208.	209.	104.		80-120	0.480	20	WG710186

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/kg	0.260	0.00542	.05	100.	49.7-127	L686730-01	WG709830
Ethylbenzene	mg/kg	0.258	0.00330	.05	100.	40.8-141	L686730-01	WG709830
Toluene	mg/kg	0.261	0.00142	.05	100.	49.8-132	L686730-01	WG709830
Total Xylene	mg/kg	0.793	0.0159	.15	100.	41.2-140	L686730-01	WG709830
a,a,a-Trifluorotoluene(PID)					103.0	54-144		WG709830
TPH (GC/FID) Low Fraction	mg/kg	19.7	0.0441	5.5	72.0	28.5-138	L686730-01	WG709830
a,a,a-Trifluorotoluene(FID)					99.90	59-128		WG709830
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	116.	74.0	60	69.0 83.60	50-150 50-150	L686734-01	WG709917 WG709917
Chloride	mg/kg	488.	0.0	500	98.0	80-120	L686741-01	WG710186

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	0.250	0.260	97.8	49.7-127	3.97	23.5	L686730-01	WG709830
Ethylbenzene	mg/kg	0.244	0.258	96.5	40.8-141	5.54	23.8	L686730-01	WG709830
Toluene	mg/kg	0.247	0.261	98.2	49.8-132	5.53	23.5	L686730-01	WG709830
Total Xylene	mg/kg	0.750	0.793	97.8	41.2-140	5.64	23.7	L686730-01	WG709830
a,a,a-Trifluorotoluene(PID)				102.0	54-144				WG709830
TPH (GC/FID) Low Fraction	mg/kg	19.6	19.7	71.0	28.5-138	0.840	23.6	L686730-01	WG709830
a,a,a-Trifluorotoluene(FID)				99.10	59-128				WG709830
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	149.	116.	124. 104.0	50-150 50-150	25.1*	20	L686734-01	WG709917 WG709917
Chloride	mg/kg	493.	488.	98.6	80-120	1.02	20	L686741-01	WG710186

Batch number /Run number / Sample number cross reference

WG709830: R2891435: L686734-01  
WG709917: R2891638 R2892168: L686734-01  
WG709812: R2891923: L686734-01  
WG710186: R2892448: L686734-01

\* \* 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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March 12, 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.

[illegible]

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

0461