

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: Bolack 4 # 3	Facility Type: Gas Well (Basin Fruitland Coal)	
Surface Owner: Federal	Mineral Owner	API No.: 30-045-32049

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	4	27N	11W	980	FNL	1490	FWL	San Juan

Latitude 36.60875 Longitude -108.01306

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: 3-28-2014
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	

If a Watercourse was Impacted, Describe Fully.*

SEP 05 2014

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was removed at the Bolack 4 # 3 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, total BTEX, and TPH, but above the Chloride Standard of 250 ppm at 410 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 0 due to an estimated depth to groundwater of greater than 100 feet, distance to a 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 410 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>		OIL CONSERVATION DIVISION	
Printed Name: Kurt Hoekstra		Approved by Environmental Specialist: <i>Craig Smith</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: 8-25-14 Phone: 505-333-3100			

* Attach Additional Sheets If Necessary

#NLS 1432149377

14



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0466

Samples Received: 3/24/2014 3:45:00PM

Job Number: 98031-0528

Work Order: P403080

Project Name/Location: Bolack 4 #3

Entire Report Reviewed By:

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

Date: 3/27/14

Tim Cain, Laboratory Manager

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: Bolack 4 #3
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
27-Mar-14 10:55

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P403080-01A	Soil	03/24/14	03/24/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 • Fx (505) 632-1865

Ph (970) 259-0615 • Fr (800) 362-1879

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



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Bolack 4 #3
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
27-Mar-14 10:55

BGT Cellar
P403080-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Petroleum Hydrocarbons by 418.1										
Total Petroleum Hydrocarbons	ND	20.0	mg/kg	1	1413011	03/25/14	03/25/14	03/25/14	EPA 418.1	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

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



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Bolack 4 #3
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
27-Mar-14 10:55

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 1413011 - 418 Freon Extraction

Blank (1413011-BLK1)

Prepared & Analyzed: 25-Mar-14

Total Petroleum Hydrocarbons ND 20.0 mg/kg

Duplicate (1413011-DUP1)

Source: P403072-01

Prepared & Analyzed: 25-Mar-14

Total Petroleum Hydrocarbons 23.9 20.0 mg/kg 32.0 28.7 30

Matrix Spike (1413011-MS1)

Source: P403072-01

Prepared & Analyzed: 25-Mar-14

Total Petroleum Hydrocarbons 1810 20.0 mg/kg 2000 32.0 89.0 80-120

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

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



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Bolack 4 #3
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
27-Mar-14 10:55

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

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 • Fx (505) 632-1865

Ph (970) 259-0615 • Fr (800) 362-1879

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

[illegible]

0466



YOUR LAB OF CHOICE

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

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Friday March 28, 2014

Report Number: L690111

Samples Received: 03/26/14

Client Project:

Description: Bolack 4 # 3

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.



YOUR LAB OF CHOICE

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

REPORT OF ANALYSIS

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

March 28, 2014

Date Received : March 26, 2014
Description : Bolack 4 # 3
Sample ID : FARKH-032414-1430
Collected By : Kurt Hoekstra
Collection Date : 03/24/14 14:30

ESC Sample # : L690111-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	410	11.	mg/kg	9056	03/28/14	1
Total Solids	94.0		%	2540 G-2011	03/28/14	1
Benzene	BDL	0.0026	mg/kg	8021/8015	03/27/14	5
Toluene	BDL	0.026	mg/kg	8021/8015	03/27/14	5
Ethylbenzene	BDL	0.0026	mg/kg	8021/8015	03/27/14	5
Total Xylene	BDL	0.0080	mg/kg	8021/8015	03/27/14	5
TPH (GC/FID) Low Fraction	BDL	0.53	mg/kg	GRO	03/27/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.2		% Rec.	8021/8015	03/27/14	5
a,a,a-Trifluorotoluene(PID)	98.0		% Rec.	8021/8015	03/27/14	5
TPH (GC/FID) High Fraction	BDL	4.2	mg/kg	3546/DRO	03/27/14	1
Surrogate recovery(%)						
o-Terphenyl	102.		% Rec.	3546/DRO	03/27/14	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: 03/28/14 14:52 Printed: 03/28/14 14:52

Summary of Remarks For Samples Printed
03/28/14 at 14:52:20

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: L690111-01 Account: XTORNM Received: 03/26/14 09:30 Due Date: 04/02/14 00:00 RPT Date: 03/28/14 14:52



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L690111

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

March 28, 2014

		Laboratory Blank		Limit	Batch	Date Analyzed
Analyte	Result	Units	% Rec			
Benzene	< .0005	mg/kg			WG713013	03/27/14 13:59
Ethylbenzene	< .0005	mg/kg			WG713013	03/27/14 13:59
Toluene	< .005	mg/kg			WG713013	03/27/14 13:59
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG713013	03/27/14 13:59
Total Xylene	< .0015	mg/kg			WG713013	03/27/14 13:59
a,a,a-Trifluorotoluene (FID)		% Rec.	98.00	59-128	WG713013	03/27/14 13:59
a,a,a-Trifluorotoluene (PID)		% Rec.	98.20	54-144	WG713013	03/27/14 13:59
TPH (GC/FID) High Fraction	< 4	mg/kg			WG713056	03/27/14 19:35
o-Terphenyl		% Rec.	117.0	50-150	WG713056	03/27/14 19:35
Total Solids	< .1	%			WG712988	03/28/14 10:47
Chloride	< 10	mg/kg			WG713124	03/27/14 21:10

		Duplicate		Limit	Ref Samp	Batch
Analyte	Units	Result	Duplicate			
Total Solids	%	82.9	83.4	5	L690139-01	WG712988
Chloride	mg/kg	58.0	53.0	20	L689601-07	WG713124
Chloride	mg/kg	30.0	31.0	20	L690190-04	WG713124

		Laboratory Control Sample		Limit	Batch
Analyte	Units	Known Val	Result		
Benzene	mg/kg	.05	0.0473	94.6	70-130
Ethylbenzene	mg/kg	.05	0.0488	97.5	70-130
Toluene	mg/kg	.05	0.0461	92.2	70-130
Total Xylene	mg/kg	.15	0.142	94.8	70-130
a,a,a-Trifluorotoluene (FID)				97.80	59-128
a,a,a-Trifluorotoluene (PID)				101.0	54-144
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.96	90.1	63.5-137
a,a,a-Trifluorotoluene (FID)				98.40	59-128
a,a,a-Trifluorotoluene (PID)				100.0	54-144
TPH (GC/FID) High Fraction	mg/kg	60	59.3	98.9	50-150
o-Terphenyl				103.0	50-150
Total Solids	%	50	50.0	100.	85-115
Chloride	mg/kg	200	205	103.	80-120

		Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
Analyte	Units	Result	Ref %Rec				
Benzene	mg/kg	0.0464	0.0473 93.0	70-130	2.04	20	WG713013
Ethylbenzene	mg/kg	0.0474	0.0488 95.0	70-130	2.75	20	WG713013
Toluene	mg/kg	0.0449	0.0461 90.0	70-130	2.60	20	WG713013
Total Xylene	mg/kg	0.138	0.142 92.0	70-130	2.71	20	WG713013
a,a,a-Trifluorotoluene (FID)			98.00	59-128			WG713013
a,a,a-Trifluorotoluene (PID)			101.0	54-144			WG713013

* Performance of this Analyte is outside of established criteria.

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



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

XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report

Level II

March 28, 2014

L690111

Laboratory Control Sample Duplicate								
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) Low Fraction	mg/kg	4.66	4.96	85.0	63.5-137	6.29	20	WG713013
a,a,a-Trifluorotoluene (FID)				98.90	59-128			WG713013
a,a,a-Trifluorotoluene (PID)				99.70	54-144			WG713013
TPH (GC/FID) High Fraction	mg/kg	61.6	59.3	103.	50-150	3.76	20	WG713056
o-Terphenyl				104.0	50-150			WG713056
Chloride	mg/kg	204.	205.	102.	80-120	0.489	20	WG713124

Matrix Spike								
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.233	0.000183	.05	93.0	49.7-127	L690257-01	WG713013
Ethylbenzene	mg/kg	0.233	0.000222	.05	93.0	40.8-141	L690257-01	WG713013
Toluene	mg/kg	0.228	0.000823	.05	91.0	49.8-132	L690257-01	WG713013
Total Xylene	mg/kg	0.681	0.00119	.15	91.0	41.2-140	L690257-01	WG713013
a,a,a-Trifluorotoluene (FID)					97.30	59-128		WG713013
a,a,a-Trifluorotoluene (PID)					99.40	54-144		WG713013
TPH (GC/FID) Low Fraction	mg/kg	21.5	0.0	5.5	78.0	28.5-138	L690257-01	WG713013
a,a,a-Trifluorotoluene (FID)					97.30	59-128		WG713013
a,a,a-Trifluorotoluene (PID)					98.80	54-144		WG713013
Chloride	mg/kg	1830	1200	500	130.*	80-120	L690190-03	WG713124

Matrix Spike Duplicate								
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit Ref Samp	Batch
Benzene	mg/kg	0.229	0.233	91.5	49.7-127	1.80	23.5 L690257-01	WG713013
Ethylbenzene	mg/kg	0.218	0.233	87.3	40.8-141	6.49	23.8 L690257-01	WG713013
Toluene	mg/kg	0.218	0.228	86.7	49.8-132	4.76	23.5 L690257-01	WG713013
Total Xylene	mg/kg	0.635	0.681	84.5	41.2-140	6.93	23.7 L690257-01	WG713013
a,a,a-Trifluorotoluene (FID)				96.70	59-128			WG713013
a,a,a-Trifluorotoluene (PID)				99.80	54-144			WG713013
TPH (GC/FID) Low Fraction	mg/kg	19.6	21.5	71.4	28.5-138	9.05	23.6 L690257-01	WG713013
a,a,a-Trifluorotoluene (FID)				97.10	59-128			WG713013
a,a,a-Trifluorotoluene (PID)				98.10	54-144			WG713013
Chloride	mg/kg	1770	1830	114.	80-120	3.33	20 L690190-03	WG713124

Batch number /Run number / Sample number cross reference

WG713013: R2898308: L690111-
WG713056: R2898534: L690111-
WG712988: R2898562: L690111-
WG713124: R2898647: L690111-

* * 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.'



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L690111

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

March 28, 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.

