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? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3
SEP 05 2014

If a Watercourse was Impacted, Describe Fully.*

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: Kurt Hoekstra	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: Kurt Hoekstra		
Title: EHS Coordinator	Approval Date: 11/17/14	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 8-25-14 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

#NCS1432149377

(14)

envirotech
Analytical Laboratory

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: _____ Date: 3/27/14

Tim Cain, Laboratory Manager

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:	Bolack 4 #3	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	27-Mar-14 10:55

Analyical 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.

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Bolack 4 #3	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	27-Mar-14 10:55

BGT Cellar

P403080-01 (Solid)

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

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Bolack 4 #3	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	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			

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Bolack 4 #3	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	James McDaniel	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

XTO ENERGY
Western Division

Well Site/Location: Bolack 4 #3	Quote Number	Page ___ of ___
Collected By: Kurt	XTO Contact: Kurt	XTO Contact Phone #: 486-9543
Company: XTO	Email Results to: James, Kurt, Logan	
Signature: Kurt Sweetser	API Number: 30-045-37049	Test Reason: BGT Closure
	Samples on Ice: (Y) N	Turnaround: X Standard; ___ Next Day; ___ Two Day; ___ Three Day; ___ Std. 5 Bus. Days (by contract)
	QA/QC Requested: Y	Date Needed: ___
	Gray Areas for Lab Use Only	

Analysis: TPH 418.1

Lab Information: 98031-0528

Office Abbreviations
Farmington = FAR
Durango = DUR
Bakken = BAK
Raton = RAT
Piceance = PC
Roosevelt = RSV
La Barge = LB
Orangeville = OV

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Sample Number
FARJM-032414-0430	BGT Cellar	S	3-24	2:30	on ice	1	P403080-01

Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT

Relinquished By: (Signature) Kurt Sweetser	Date: 3-24-14	Time: 3:45	Received By: (Signature)	Number of Bottles: 1 oz	Sample Condition: Intact
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature: 1.3	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab By: (Signature)	Date: 3/24/14 Time: 3:45	

Comments

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

0466

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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 R Richards

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.

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

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

March 28,2014

ESC Sample # : L690111-01

Date Received : March 26, 2014
Description : Bolack 4 # 3

Site ID :

Sample ID : FARKH-032414-1430

Project # :

Collected By : Kurt Hoekstra
Collection Date : 03/24/14 14:30

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:

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

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

Aztec, NM 87410

Quality Assurance Report
Level II

L690111

March 28, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
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

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	82.9	83.4	0.572	5	L690139-01	WG712988
Chloride	mg/kg	58.0	53.0	9.01	20	L689601-07	WG713124
Chloride	mg/kg	30.0	31.0	3.28	20	L690190-04	WG713124

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0473	94.6	70-130	WG713013
Ethylbenzene	mg/kg	.05	0.0488	97.5	70-130	WG713013
Toluene	mg/kg	.05	0.0461	92.2	70-130	WG713013
Total Xylene	mg/kg	.15	0.142	94.8	70-130	WG713013
a,a,a-Trifluorotoluene(FID)				97.80	59-128	WG713013
a,a,a-Trifluorotoluene(PID)				101.0	54-144	WG713013
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.96	90.1	63.5-137	WG713013
a,a,a-Trifluorotoluene(FID)				98.40	59-128	WG713013
a,a,a-Trifluorotoluene(PID)				100.0	54-144	WG713013
TPH (GC/FID) High Fraction	mg/kg	60	59.3	98.9	50-150	WG713056
o-Terphenyl				103.0	50-150	WG713056
Total Solids	%	50	50.0	100.	85-115	WG712988
Chloride	mg/kg	200	205.	103.	80-120	WG713124

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
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.'

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

Aztec, NM 87410

Quality Assurance Report
Level II

L690111

March 28, 2014

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.'

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

Aztec, NM 87410

Quality Assurance Report
Level II

L690111

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.

G185

XTO ENERGY Western Division

Quote Number		Page ___ of ___	
XTO Contact: KURT		XTO Contact Phone #: 505-486-9543	
Email Results to: JAMES, KURT, LOGAN			
Well Site/Location: BOLACK 4 # 3	API Number: 30-045-32049	Test Reason: BGT CLOSURE	
Collected By: KURT	Samples on Ice: (Y) N	Turnaround: X Standard; ___ Next Day; ___ Two Day; ___ Three Day; ___ Std. 5 Bus. Days (by contract)	
Company: XTO	QA/QC Requested: Y	Date Needed ___	
Signature: Kurt Hoekstra	Gray Areas for Lab Use Only!		

Analysis: TPH 8015, BTEX 8021, CHLORIDES

Lab Information

Office Abbreviations
Farmington = FAR
Durango = DUR
Bakken = BAK
Raton = RAT
Piceance = PC
Roosevelt = RSV
La Barge = LB
Orangeville = OV

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	TPH 8015	BTEX 8021	CHLORIDES					Sample Number
FARKH-032414-1430	BGT CELLAR	S	3-24	2:30	ON ICE	1	X	X	X					1603114-01

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) Kurt Hoekstra	Date: 3-25-14	Time: 6:30	Received By: (Signature)	Number of Bottles	Sample Condition
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature: 1.8°C	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature) [signature]	Date: 3/26/14 Time: 0930	

Comments

5040 0lb 359 340 1-4oz

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

0468