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: State J Com # 2H	Facility Type: Gas Well (Basin Fruitland Coal)

Surface Owner: State	Mineral Owner	API No.: 30-045-33636

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	16	26N	11W	1805	FSL	660	FWL	San Juan

Latitude 36.485568 **Longitude** -108. 016452

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: 11-6-2013
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

JUL 30 2014

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was removed at the State J Com # 2H 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 132 ppm via USEPA Method 418.1 and above the 250 ppm chloride standard at 460 ppm via USEPA Method 300.1,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 TPH results of 132 ppm via USEPA Method 418.1 this is below the spill rule standard of 5000 ppm TPH. 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.

OIL CONSERVATION DIVISION

Signature: Kurt Hoekstra

Approved by Environmental Specialist: Jonathan D. Kelly

Printed Name: Kurt Hoekstra

Title: EHS Coordinator

Approval Date: 8/5/2014 Expiration Date:

E-mail Address: Kurt_Hoekstra@xtoenergy.com

Conditions of Approval: Attached ☐

Date: 7-28-2014 Phone: 505-333-3100

* Attach Additional Sheets If Necessary

nJK1427563l9

12

ESC
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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

Wednesday November 06, 2013

Report Number: L665836
Samples Received: 10/30/13
Client Project:

Description: State J Com 2H

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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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

November 06,2013

ESC Sample # : L665836-01

Date Received : October 30, 2013
Description : State J Com 2H

Site ID :

Sample ID : FARKH-102913-1115

Project # :

Collected By : Kurt Hoekstra
Collection Date : 10/29/13 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	460	10.	mg/kg	9056	11/06/13	1
Total Solids	94.8	0.100	%	2540 G-2011	11/05/13	1
Benzene	BDL	0.0026	mg/kg	8021/8015	11/02/13	5
Toluene	BDL	0.026	mg/kg	8021/8015	11/02/13	5
Ethylbenzene	BDL	0.0026	mg/kg	8021/8015	11/02/13	5
Total Xylene	BDL	0.0079	mg/kg	8021/8015	11/02/13	5
TPH (GC/FID) Low Fraction	BDL	0.53	mg/kg	GRO	11/02/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	107.		% Rec.	8021/8015	11/02/13	5
a,a,a-Trifluorotoluene(PID)	108.		% Rec.	8021/8015	11/02/13	5
TPH (GC/FID) High Fraction	BDL	4.2	mg/kg	3546/DRO	11/01/13	1
Surrogate recovery(%)						
o-Terphenyl	79.4		% Rec.	3546/DRO	11/01/13	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: 11/06/13 16:04 Printed: 11/06/13 16:28

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

Aztec, NM 87410

Quality Assurance Report
Level II

L665836

November 06, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction	< 4	mg/kg			WG689937	11/01/13 10:14
o-Terphenyl		% Rec.	71.20	50-150	WG689937	11/01/13 10:14
Benzene	< .0005	mg/kg			WG690250	11/02/13 19:29
Ethylbenzene	< .0005	mg/kg			WG690250	11/02/13 19:29
Toluene	< .005	mg/kg			WG690250	11/02/13 19:29
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG690250	11/02/13 19:29
Total Xylene	< .0015	mg/kg			WG690250	11/02/13 19:29
a,a,a-Trifluorotoluene(FID)		% Rec.	107.0	59-128	WG690250	11/02/13 19:29
a,a,a-Trifluorotoluene(PID)		% Rec.	107.0	54-144	WG690250	11/02/13 19:29
Total Solids	< .1	%			WG690554	11/05/13 10:11
Chloride	< 10	mg/kg			WG690572	11/06/13 10:14

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	84.7	83.1	1.99	5	L665868-05	WG690554
Chloride	mg/kg	17000	17000	0.0	20	L666222-04	WG690572

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction	mg/kg	60	50.2	83.7	50-150	WG689937
o-Terphenyl				82.00	50-150	WG689937
Benzene	mg/kg	.05	0.0479	95.8	70-130	WG690250
Ethylbenzene	mg/kg	.05	0.0489	97.9	70-130	WG690250
Toluene	mg/kg	.05	0.0468	93.6	70-130	WG690250
Total Xylene	mg/kg	.15	0.147	98.3	70-130	WG690250
a,a,a-Trifluorotoluene(PID)				108.0	54-144	WG690250
TPH (GC/FID) Low Fraction	mg/kg	5.5	6.14	112.	63.5-137	WG690250
a,a,a-Trifluorotoluene(FID)				108.0	59-128	WG690250
Total Solids	%	50	50.0	100.	85-115	WG690554
Chloride	mg/kg	200	210.	105.	80-120	WG690572

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	mg/kg	49.4	50.2	82.0	50-150	1.63	20	WG689937
o-Terphenyl				81.90	50-150			WG689937
Benzene	mg/kg	0.0516	0.0479	103.	70-130	7.48	20	WG690250
Ethylbenzene	mg/kg	0.0523	0.0489	104.	70-130	6.55	20	WG690250
Toluene	mg/kg	0.0495	0.0468	99.0	70-130	5.57	20	WG690250
Total Xylene	mg/kg	0.157	0.147	104.	70-130	6.09	20	WG690250
a,a,a-Trifluorotoluene(PID)				107.0	54-144			WG690250

* 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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Kurt Hoekstra
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Aztec, NM 87410

Quality Assurance Report
Level II

L665836

November 06, 2013

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) Low Fraction	mg/kg	6.71	6.14	122.	63.5-137	8.91	20	WG690250
a,a,a-Trifluorotoluene(FID)				108.0	59-128			WG690250
Chloride	mg/kg	210.	210.	105.	80-120	0.0	20	WG690572

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	mg/kg	34.2	2.88	60	52.0	50-150	L665836-01	WG689937
o-Terphenyl					72.90	50-150		WG689937
Benzene	mg/kg	0.0186	0.0	.05	37.0*	49.7-127	L666058-01	WG690250
Ethylbenzene	mg/kg	0.0199	0.0	.05	40.0*	40.8-141	L666058-01	WG690250
Toluene	mg/kg	0.0194	0.000217	.05	38.0*	49.8-132	L666058-01	WG690250
Total Xylene	mg/kg	0.0606	0.000228	.15	40.0*	41.2-140	L666058-01	WG690250
a,a,a-Trifluorotoluene(PID)					105.0	54-144		WG690250
TPH (GC/FID) Low Fraction	mg/kg	4.39	0.0	5.5	80.0	28.5-138	L666058-01	WG690250
a,a,a-Trifluorotoluene(FID)					102.0	59-128		WG690250
Chloride	mg/kg	970.	440.	500	110.	80-120	L665836-01	WG690572

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	mg/kg	34.8	34.2	53.2	50-150	1.95	20	L665836-01	WG689937
o-Terphenyl				73.80	50-150				WG689937
Benzene	mg/kg	0.0450	0.0186	90.1	49.7-127	83.3*	23.5	L666058-01	WG690250
Ethylbenzene	mg/kg	0.0458	0.0199	91.5	40.8-141	78.8*	23.8	L666058-01	WG690250
Toluene	mg/kg	0.0439	0.0194	87.3	49.8-132	77.3*	23.5	L666058-01	WG690250
Total Xylene	mg/kg	0.138	0.0606	91.9	41.2-140	78.0*	23.7	L666058-01	WG690250
a,a,a-Trifluorotoluene(PID)				105.0	54-144				WG690250
TPH (GC/FID) Low Fraction	mg/kg	4.47	4.39	81.2	28.5-138	1.85	23.6	L666058-01	WG690250
a,a,a-Trifluorotoluene(FID)				104.0	59-128				WG690250
Chloride	mg/kg	965.	970.	105.	80-120	0.517	20	L665836-01	WG690572

Batch number /Run number / Sample number cross reference

WG689937: R2847912: L665836-01
WG690250: R2848493: L665836-01
WG690554: R2848899: L665836-01
WG690572: R2849666: L665836-01

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

Aztec, NM 87410

Quality Assurance Report
Level II

L665836

November 06, 2013

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.

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0412

Samples Received: 10/29/2013 1:15:00PM

Job Number: 98031-0528

Work Order: P310111

Project Name/Location: State J Com #2H

Entire Report Reviewed By: _____ Date: 10/31/13

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.

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	State J Com #2H	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Kurt Hoekstra	31-Oct-13 10:35

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P310111-01A	Soil	10/29/13	10/29/13	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	State J Com #2H	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Kurt Hoekstra	31-Oct-13 10:35

BGT Cellar

P310111-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	**132**	19.9	mg/kg	1	1344019	10/30/13	10/30/13	EPA 418.1	

XTO Energy Inc.	Project Name:	State J Com #2H	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Kurt Hoekstra	31-Oct-13 10:35

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 1344019 - 418 Freon Extraction										
Blank (1344019-BLK1)				Prepared & Analyzed: 30-Oct-13						
Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
Duplicate (1344019-DUP1)	**Source: P310111-01**			Prepared & Analyzed: 30-Oct-13						
Total Petroleum Hydrocarbons	143	19.9	mg/kg		132			8.62	30	
Matrix Spike (1344019-MS1)	**Source: P310111-01**			Prepared & Analyzed: 30-Oct-13						
Total Petroleum Hydrocarbons	576		mg/L	500	33.0	109	80-120			

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	State J Com #2H	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Kurt Hoekstra	31-Oct-13 10:35

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

Quote Number	**Page ___ of ___**	
XTO Contact KURT HOEKSTRA	**XTO Contact Phone #** 505-486-9543	
Email Results to: JAMES McDANIEL, KURT HOEKSTRA, LOGAN HIXON		
Well Site/Location STATE J COM # 2H	**API Number** 30-045-33636	**Test Reason** BGT CLOSURE
Collected By KURT	**Samples on Ice** (Y) N	**Turnaround**
Company XTO	**QA/QC Requested**	_X_ Standard ___ Next Day ___ Two Day ___ Three Day ___ Std. 5 Bus. Days (by contract)
Signature Kurt Hoekstra	**Gray Areas for Lab Use Only!**	**Date Needed** _____

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
FARKH-102913-1115	BGT CELLAR	S	10/29	11:15	ON ICE	1	X P31011-01

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 Hoekstra	**Date:** 10/29/13	**Time:** 1:15	**Received By: (Signature)**	**Number of Bottles**	**Sample Condition**
Relinquished By: (Signature)	**Date:**	**Time:**	**Received By: (Signature)**	**Temperature:** CON	**Other Information**
Relinquished By: (Signature)	**Date:**	**Time:**	**Received for Lab by: (Signature)**	**Date:** 10/29/13 **Time:** 1315	

Comments

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