

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 C LS # 14A	Facility Type: Gas Well (Blanco Mesaverde)	
Surface Owner: Federal	Mineral Owner	API No.: 30-045-26553

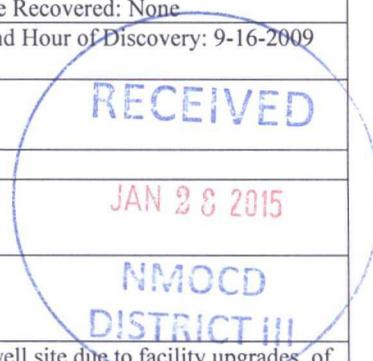
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	30	27N	08W	2130	FSL	980	FEL	San Juan

Latitude 36.543160 Longitude -107.717060

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: 9-16-2009
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.	



If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was removed at the Bolack C LS # 14 well site due to facility upgrades 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 Standard for benzene, total BTEX and total chlorides, but above the TPH Standard of 100 ppm at 10,400 ppm via USEPA Method 418.1, 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 20 due to an estimated depth to groundwater 50 to 100 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.* On 11-18-2009 20 cy of impacted soil was excavated from the BGT cellar, no confirmation closure samples were found for this release. A hand auger sample was collected at 5-1/2 feet deep on 1-16-2015 where the below grade tank had been located returning results of: TPH USEPA Method 418.1 < 20 ppm, total BTEX USEPA Method 8021 < 0.0391 ppm, and total chlorides at 95 ppm. Based on these results, which are 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>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Kurt Hoekstra	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: EHS Coordinator	Approval Date: 4/13/15	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-26-2015 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

#NCS 15103 340905

12



12065 Lebanon Rd.
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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

Tuesday January 20, 2015

Report Number: L743962

Samples Received: 01/17/15

Client Project:

Description: Bolack C LS 14A

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

January 20, 2015

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

ESC Sample # : L743962-01

Date Received : January 17, 2015
 Description : Bolack C LS 14A

Site ID :

Sample ID : FARKH-011615-1045

Project # :

Collected By : Kurt
 Collection Date : 01/16/15 10:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	95.	10.	mg/kg	9056MOD	01/20/15	1
Total Solids	94.9		%	2540 G-2011	01/19/15	1
Benzene	BDL	0.0026	mg/kg	8021	01/18/15	5
Toluene	BDL	0.026	mg/kg	8021	01/18/15	5
Ethylbenzene	BDL	0.0026	mg/kg	8021	01/18/15	5
Total Xylene	BDL	0.0079	mg/kg	8021	01/18/15	5
TPH (GC/FID) Low Fraction	BDL	0.53	mg/kg	8015	01/18/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	98.7		% Rec.	8015	01/18/15	5
a,a,a-Trifluorotoluene(PID)	100.		% Rec.	8021	01/18/15	5
TPH (GC/FID) High Fraction	BDL	4.2	mg/kg	3546/DRO	01/18/15	1
Surrogate recovery(%)						
o-Terphenyl	85.3		% Rec.	3546/DRO	01/18/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 01/20/15 15:34 Printed: 01/20/15 15:34



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YOUR LAB OF CHOICE

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

Quality Assurance Report
 Level II

Aztec, NM 87410

L743962

January 20, 2015

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Total Solids	< .1	%			WG765262	01/19/15 10:07
TPH (GC/FID) High Fraction	< 4	mg/kg			WG765290	01/18/15 05:58
o-Terphenyl		% Rec.	92.80	50-150	WG765290	01/18/15 05:58
Benzene	< .0005	mg/kg			WG765347	01/18/15 15:44
Ethylbenzene	< .0005	mg/kg			WG765347	01/18/15 15:44
Toluene	< .005	mg/kg			WG765347	01/18/15 15:44
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG765347	01/18/15 15:44
Total Xylene	< .0015	mg/kg			WG765347	01/18/15 15:44
a,a,a-Trifluorotoluene (FID)		% Rec.	99.30	59-128	WG765347	01/18/15 15:44
a,a,a-Trifluorotoluene (PID)		% Rec.	99.10	54-144	WG765347	01/18/15 15:44
Chloride	< 10	mg/kg			WG765275	01/20/15 12:06

Analyte	Units	Duplicate			Limit	Ref Samp	Batch
		Result	Duplicate	RPD			
Total Solids	%	86.2	85.8	0.456	5	L743982-02	WG765262
Chloride	mg/kg	62.0	57.4	8.00	20	L743913-04	WG765275

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Total Solids	%	50	50.0	100.	85-115	WG765262
TPH (GC/FID) High Fraction	mg/kg	60	57.3	95.5	50-150	WG765290
o-Terphenyl				86.20	50-150	WG765290
Benzene	mg/kg	.05	0.0404	80.7	70-130	WG765347
Ethylbenzene	mg/kg	.05	0.0414	82.9	70-130	WG765347
Toluene	mg/kg	.05	0.0398	79.7	70-130	WG765347
Total Xylene	mg/kg	.15	0.120	80.2	70-130	WG765347
a,a,a-Trifluorotoluene (PID)				99.70	54-144	WG765347
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.05	91.9	63.5-137	WG765347
a,a,a-Trifluorotoluene (PID)				99.10	59-128	WG765347
Chloride	mg/kg	200	215.	107.	80-120	WG765275

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
TPH (GC/FID) High Fraction	mg/kg	54.7	57.3	91.0	50-150	4.74	20	WG765290
o-Terphenyl				82.10	50-150			WG765290
Benzene	mg/kg	0.0423	0.0404	85.0	70-130	4.71	20	WG765347
Ethylbenzene	mg/kg	0.0431	0.0414	86.0	70-130	3.92	20	WG765347
Toluene	mg/kg	0.0412	0.0398	82.0	70-130	3.43	20	WG765347
Total Xylene	mg/kg	0.125	0.120	83.0	70-130	3.94	20	WG765347
a,a,a-Trifluorotoluene (PID)				99.80	54-144			WG765347

* 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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Level II

L743962

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Analyte	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
TPH (GC/FID) Low Fraction	mg/kg	4.71	5.05	86.0	63.5-137	7.03	20	WG765347
a,a,a-Trifluorotoluene(FID)				98.90	59-128			WG765347
Chloride	mg/kg	219.	215.	109.	80-120	2.00	20	WG765275

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
TPH (GC/FID) High Fraction	mg/kg	53.8	0.520	60	89.0	50-150	L743777-19	WG765290
o-Terphenyl					81.80	50-150		WG765290
Benzene	mg/kg	0.173	0.000530	.05	69.0	49.7-127	L743747-02	WG765347
Ethylbenzene	mg/kg	0.178	0.000606	.05	71.0	40.8-141	L743747-02	WG765347
Toluene	mg/kg	0.173	0.00169	.05	68.0	49.8-132	L743747-02	WG765347
Total Xylene	mg/kg	0.512	0.00158	.15	68.0	41.2-140	L743747-02	WG765347
a,a,a-Trifluorotoluene(PID)					99.50	54-144		WG765347
TPH (GC/FID) Low Fraction	mg/kg	20.9	0.372	5.5	74.0	28.5-138	L743747-02	WG765347
a,a,a-Trifluorotoluene(FID)					97.60	59-128		WG765347
Chloride	mg/kg	553.	86.5	500	93.0	80-120	L743994-10	WG765275

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
TPH (GC/FID) High Fraction	mg/kg	55.5	53.8	91.6	50-150	3.09	20	L743777-19	WG765290
o-Terphenyl				85.50	50-150				WG765290
Benzene	mg/kg	0.207	0.173	82.5	49.7-127	17.8	23.5	L743747-02	WG765347
Ethylbenzene	mg/kg	0.196	0.178	78.0	40.8-141	9.65	23.8	L743747-02	WG765347
Toluene	mg/kg	0.188	0.173	74.3	49.8-132	8.22	23.5	L743747-02	WG765347
Total Xylene	mg/kg	0.551	0.512	73.2	41.2-140	7.34	23.7	L743747-02	WG765347
a,a,a-Trifluorotoluene(PID)				99.70	54-144				WG765347
TPH (GC/FID) Low Fraction	mg/kg	22.3	20.9	79.9	28.5-138	6.85	23.6	L743747-02	WG765347
a,a,a-Trifluorotoluene(FID)				97.70	59-128				WG765347
Chloride	mg/kg	602.	553.	103.	80-120	9.00	20	L743994-10	WG765275

Batch number /Run number / Sample number cross reference

WG765262: R3015182: L743962-01
WG765290: R3015212: L743962-01
WG765347: R3015279: L743962-01
WG765275: R3015453: L743962-01

* * 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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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.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 19, 2015

James McDaniel
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 787-0519
FAX (505) 333-3280

RE: Bolack C LS #14A

OrderNo.: 1501573

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/17/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1501573

Date Reported: 1/19/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: BGT Cellar

Project: Bolack C LS #14A

Collection Date: 1/16/2015 10:45:00 AM

Lab ID: 1501573-001

Matrix: SOIL

Received Date: 1/17/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH							Analyst: JME
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	1/19/2015 12:00:00 PM	17281

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1501573

19-Jan-15

Client: XTO Energy
Project: Bolack C LS #14A

Sample ID MB-17281	SampType: MBLK		TestCode: EPA Method 418.1: TPH							
Client ID: PBS	Batch ID: 17281		RunNo: 23736							
Prep Date: 1/19/2015	Analysis Date: 1/19/2015		SeqNo: 700465		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID LCS-17281	SampType: LCS		TestCode: EPA Method 418.1: TPH							
Client ID: LCSS	Batch ID: 17281		RunNo: 23736							
Prep Date: 1/19/2015	Analysis Date: 1/19/2015		SeqNo: 700466		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	89	20	100.0	0	89.4	86.7	126			

Sample ID LCSD-17281	SampType: LCSD		TestCode: EPA Method 418.1: TPH							
Client ID: LCSS02	Batch ID: 17281		RunNo: 23736							
Prep Date: 1/19/2015	Analysis Date: 1/19/2015		SeqNo: 700467		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	95	20	100.0	0	94.9	86.7	126	5.94	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: XTO Energy

Work Order Number: 1501573

RcptNo: 1

Received by/date: [Signature] 01/17/2015

Logged By: Lindsay Mangin 1/17/2015 8:00:00 AM [Signature]

Completed By: Lindsay Mangin 1/17/2015 8:30:59 AM [Signature]

Reviewed By: AT 01/19/15

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Was an attempt made to cool the samples? Yes No NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 6. Sample(s) in proper container(s)? Yes No
- 7. Sufficient sample volume for indicated test(s)? Yes No
- 8. Are samples (except VOA and ONG) properly preserved? Yes No
- 9. Was preservative added to bottles? Yes No NA
- 10. VOA vials have zero headspace? Yes No No VOA Vials
- 11. Were any sample containers received broken? Yes No
- 12. Does paperwork match bottle labels? Yes No
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

- 16. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

