

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-045-24964

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Federal 31 #21 (API 30-045-24964)	Facility Type: Gas Well

Surface Owner: Tribal Trust	Mineral Owner:	Lease No.: NMNM-03523
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LOCATION OF RELEASE

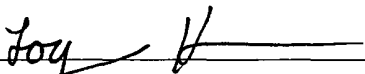
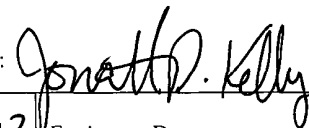
Unit Letter C	Section 31	Township 27 N	Range 11 W	Feet from the 990	North/South Line FNL	Feet from the 1650	East/West Line FWL	County San Juan
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Latitude: N36.53626 Longitude: W-108.48519

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release BGT	Date and Hour of Occurrence Unknown	Date and Hour of Discovery December 16, 2011
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? RCUD MAR 9 '12	
By Whom?	Date and Hour	OIL CONS. DIV.
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse DIST. 3	

If a Watercourse was Impacted, Describe Fully.*
Describe Cause of Problem and Remedial Action Taken.*
The below grade tank was taken out of service at the Federal 31 #21 well site due to the plugging and abandoning of this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for TPH, Benzene and Total BTEX, but above the 'pit rule' standards for Chlorides, confirming that a release had occurred at this location.
Describe Area Affected and Cleanup Action Taken *
Based on chloride results of 1700 ppm, it has been confirmed that a release had occurred on this location. The BGT closure composite sample returned results below the regulatory standards determined for this site pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. All applicable analytical results are attached for your reference.
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: 		OIL CONSERVATION DIVISION	
Printed Name: Logan Hixon		Approved by District Supervisor: 	
Title: Environmental Technician		Approval Date: 3/20/2012 Expiration Date:	
E-mail Address: Logan.Hixon@xtoenergy.com		Conditions of Approval	
Date: 3/7/2012 Phone: 505-333-3683		Attached <input type="checkbox"/>	

NJK1208033507



12065 Lebanon Rd.
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

James McDaniel
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Friday December 16, 2011

Report Number: L551018

Samples Received: 12/10/11

Client Project:

Description: BGT Closure

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 - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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.

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

James McDaniel
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

December 16, 2011

Date Received : December 10, 2011
Description : BGT Closure
Sample ID : BGT CLOSURE
Collected By : Brad Griffith
Collection Date : 12/09/11 09:17

ESC Sample # : L551018-01

Site ID : FEDERAL 31 21

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	1700	23.	mg/kg	9056	12/14/11	2
Total Solids	86.		%	2540G	12/16/11	1
Benzene	BDL	0.0029	mg/kg	8021/8015	12/12/11	5
Toluene	BDL	0.029	mg/kg	8021/8015	12/12/11	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	12/12/11	5
Total Xylene	BDL	0.0087	mg/kg	8021/8015	12/12/11	5
TPH (GC/FID) Low Fraction	BDL	0.58	mg/kg	GRO	12/12/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	91.5		% Rec.	8021/8015	12/12/11	5
a,a,a-Trifluorotoluene (PID)	96.8		% Rec.	8021/8015	12/12/11	5
TPH (GC/FID) High Fraction	BDL	4.6	mg/kg	3546/DRO	12/13/11	1
Surrogate recovery(%)						
o-Terphenyl	82.0		% Rec.	3546/DRO	12/13/11	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: 12/16/11 15:38 Printed: 12/16/11 15:39

Summary of Remarks For Samples Printed
12/16/11 at 15:39:30

TSR Signing Reports: 288
R5 - Desired TAT

Sample: L551018-01 Account: XTORNM Received: 12/10/11 09:00 Due Date: 12/16/11 00:00 RPT Date: 12/16/11 15:38



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L551018

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December 16, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG569532	12/11/11 23:42
Ethylbenzene	< .0005	mg/kg			WG569532	12/11/11 23:42
Toluene	< .005	mg/kg			WG569532	12/11/11 23:42
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG569532	12/11/11 23:42
Total Xylene	< .0015	mg/kg			WG569532	12/11/11 23:42
a,a,a-Trifluorotoluene (FID)		% Rec.	91.80	59-128	WG569532	12/11/11 23:42
a,a,a-Trifluorotoluene (PID)		% Rec.	97.55	54-144	WG569532	12/11/11 23:42
TPH (GC/FID) High Fraction	< 4	ppm			WG569507	12/13/11 21:16
o-Terphenyl		% Rec.	78.58	50-150	WG569507	12/13/11 21:16
Chloride	< 10	mg/kg			WG569408	12/14/11 00:24
Total Solids	< .1	%			WG569916	12/16/11 13:50

Analyte	Units	Duplicate			Limit	Ref Samp	Batch
		Result	Duplicate	RPD			
Chloride	mg/kg	39.0	36.0	6.97	20	L551083-01	WG569408
Total Solids	%	86.0	86.0	0.533	5	L551018-01	WG569916

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.05	0.0498	99.6	76-113	WG569532
Ethylbenzene	mg/kg	.05	0.0553	111.	78-115	WG569532
Toluene	mg/kg	.05	0.0563	113.	76-114	WG569532
Total Xylene	mg/kg	.15	0.161	107.	81-118	WG569532
a,a,a-Trifluorotoluene (PID)				96.33	54-144	WG569532
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.97	109.	67-135	WG569532
a,a,a-Trifluorotoluene (FID)				97.16	59-128	WG569532
TPH (GC/FID) High Fraction	ppm	60	41.6	69.3	50-150	WG569507
o-Terphenyl				84.14	50-150	WG569507
Chloride	mg/kg	200	194.	97.0	85-115	WG569408
Total Solids	%	50	50.0	100.	85-155	WG569916

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/kg	0.0484	0.0498	97.0	76-113	2.83	20	WG569532
Ethylbenzene	mg/kg	0.0532	0.0553	106.	78-115	3.82	20	WG569532
Toluene	mg/kg	0.0534	0.0563	107.	76-114	5.36	20	WG569532
Total Xylene	mg/kg	0.154	0.161	102.	81-118	4.62	20	WG569532
a,a,a-Trifluorotoluene (PID)				96.69	54-144			WG569532
TPH (GC/FID) Low Fraction	mg/kg	6.14	5.97	112.	67-135	2.83	20	WG569532
a,a,a-Trifluorotoluene (FID)				97.58	59-128			WG569532

* 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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Quality Assurance Report
Level II

L551018

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Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch	
		Result	Ref	%Rec					
TPH (GC/FID) High Fraction o-Terphenyl	ppm	47.8	41.6	80.0 91.37	50-150 50-150	13.9	20	WG569507 WG569507	
Chloride	mg/kg	194.	194.	97.0	85-115	0	20	WG569408	
Analyte	Units	Matrix Spike			Limit	Ref Samp	Batch		
		MS Res	Ref Res	TV					
Benzene	mg/kg	0.0405	0.00620	.05	68.7	32-137	L551011-03	WG569532	
Ethylbenzene	mg/kg	0.0431	0.00480	.05	76.6	10-150	L551011-03	WG569532	
Toluene	mg/kg	0.0452	0.0130	.05	64.3	20-142	L551011-03	WG569532	
Total Xylene	mg/kg	0.125	0.0100	.15	76.9	16-141	L551011-03	WG569532	
a,a,a-Trifluorotoluene(PID)					96.14	54-144		WG569532	
TPH (GC/FID) Low Fraction	mg/kg	4.10	0.562	5.5	64.3	55-109	L551011-03	WG569532	
a,a,a-Trifluorotoluene(FID)					95.01	59-128		WG569532	
TPH (GC/FID) High Fraction o-Terphenyl	ppm	46.0	0	60	76.6 88.75	50-150 50-150	L551013-01	WG569507 WG569507	
Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/kg	0.0374	0.0405	62.3	32-137	8.15	39	L551011-03	WG569532
Ethylbenzene	mg/kg	0.0389	0.0431	68.2	10-150	10.2	44	L551011-03	WG569532
Toluene	mg/kg	0.0412	0.0452	56.3	20-142	9.29	42	L551011-03	WG569532
Total Xylene	mg/kg	0.112	0.125	67.7	16-141	11.7	46	L551011-03	WG569532
a,a,a-Trifluorotoluene(PID)				97.03	54-144				WG569532
TPH (GC/FID) Low Fraction	mg/kg	5.07	4.10	82.0	55-109	21.2*	20	L551011-03	WG569532
a,a,a-Trifluorotoluene(FID)				96.16	59-128				WG569532
a,a,a-Trifluorotoluene(PID)				103.1	54-144				WG569532
TPH (GC/FID) High Fraction o-Terphenyl	ppm	47.0	46.0	78.4 90.14	50-150 50-150	2.26	20	L551013-01	WG569507 WG569507

Batch number /Run number / Sample number cross reference

WG569532: R1962052: L551018-01
WG569507: R1965574: L551018-01
WG569408: R1968733: L551018-01
WG569916: R1969314: L551018-01

* * 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.

D216

Chain of Custody
Page ___ of ___

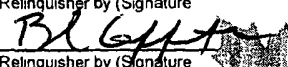






Company Name/Address XTO ENERGY, INC. 382 County Road 3100 AZTEC, NM 87410				Alternate Billing Report to James McDaniel E-mail to james_mcdaniel@xtoenergy.com				Analysis/Container/Preservative								Prepared by  ENVIRONMENTAL SCIENCE CORP 12065 Lebanon Road Mt. Juliet TN 37122 Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859	
Project Description: BGT Closure						City/State Collected						CoCode (lab use only) XTORNM Template/Prelogin Shipped Via: Fed Ex					
PHONE 505-333-3701		Client Project No		Lab Project #		No of Cntrs		8015 8021 Chlorides									
FAX																	
Collected by Brad Griffith		Site/Facility ID# FEDERAL 31 #21		P O #													
Collected by (signature) 		Rush? (Lab MUST be Notified) ____ Next Day 100% ____ Two Day 50% ____ Three Day 25%		Date Results Needed Email? ____ No ____ Yes FAX? ____ No ____ Yes													
Packed on Ice N <input checked="" type="checkbox"/> Y																	
Sample ID	Comp/Grab	Matrix	Depth	Date	Time									Remarks/contaminant	Sample # (lab only)		
BGT CLOSURE	COMP	SS		12-9-11	0917	1	X	X	X						655148-61		

Matrix SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other _____

pH _____ Temp _____

Remarks "ONLY 1 COC Per Site!"

Flow _____ Other _____

Relinquisher by (Signature) 	Date 12/9/11	Time 1319	Received by (Signature) 	Samples returned via FedEx_X_UPS_Other_	Condition (lab use only) 
Relinquisher by (Signature) 	Date	Time	Received by (Signature) 	Temp 3.6°C	Bottles Received 1-402 Jar.
Relinquisher by (Signature) 	Date	Time	Received for lab by (Signature) 	Date 12-10-11	pH Checked: NCF




Client:	XTO	Project #:	98031-0528
Sample ID	BGT Closure	Date Reported:	12-12-11
Laboratory Number:	60574	Date Sampled:	12-09-11
Chain of Custody No:	13045	Date Received:	12-09-11
Sample Matrix:	Soil	Date Extracted:	12-12-11
Preservative:	Cool	Date Analyzed:	12-12-11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	12.8	6.4

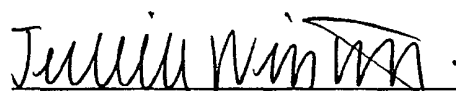
ND = Parameter not detected at the stated detection limit.

References. Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Federal 31 #21**



Analyst



Review



**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	12-12-11
Laboratory Number:	12-12-TPH QA/QC 60577	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	12-12-11
Preservative:	N/A	Date Extracted:	12-12-11
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
	11-16-11	12-12-11	1,610	1,720	6.8%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.4

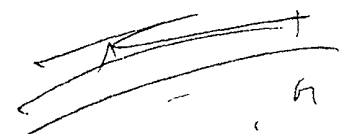
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
TPH	19.3	19.3	0.0%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	19.3	2,000	1,670	82.7%	80 - 120%

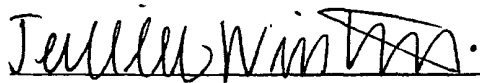
ND = Parameter not detected at the stated detection limit.

References: Method 418 1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 60497 and 60573-60580



Analyst



Review

CHAIN OF CUSTODY RECORD

13045

Client: XTD			Project Name / Location: FEDERAL 31 #21			ANALYSIS / PARAMETERS															
Email results to: JAMES MCDANIEL			Sampler Name: BRAO GRIFFIN			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact	
Client Phone No.: 787-0519			Client No.: 98031-0528																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No /Volume of Containers	Preservative																
					HgCl ₂	HCl															
BOT CLOSURE	12/9	917	60574	1	40Z															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Relinquished by: (Signature) BLB				Date	Time	Received by: (Signature) Anna Yzrie				Date	Time										
Relinquished by: (Signature)						Received by: (Signature)															
Sample Matrix																					
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																					
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																					



5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com