

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**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: James McDaniel	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701	
Facility Name: Federal Gas COM H #1E (30-045-26122)	Facility Type: Gas Well	
Surface Owner: Private	Mineral Owner:	Lease No.:

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	31	30N	12W	2085	FNL	1660	FEL	San Juan

Latitude: 36.77115 Longitude: -108.1360

**NATURE OF RELEASE**

Type of Release: Produced Water  
Source of Release: BGT

Volume of Release: Unknown  
Date and Hour of Occurrence:  
Unknown

Volume Recovered: None  
Date and Hour of Discovery: 12/1/2011

Was Immediate Notice Given?

☐ Yes ☐ No ☒ Not Required

If YES, To Whom?

E Whom?

Date and Hour

Was a Watercourse Reached?

☐ Yes ☒ No

If YES, Volume Impacting the Watercourse. **OIL CONS. DIV.**

If a Watercourse was Impacted, Describe Fully.\*

**DIST. 3**

Describe Cause of Problem and Remedial Action Taken.\*

The below grade tank was taken out of service at the Federal Gas COM H #1E well site due to maintenance upgrades to this location. 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 all Benzene, BTEX and chlorides, but above the 100 ppm TPH standard at 245 ppm, confirming that a release has occurred. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 40 due to a dry irrigation ditch at less than 200 feet from the location, and a depth to groundwater of less than 50 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.\*

The BGT closure composite sample was analyzed for DRO/GRO, returning results of non-detect. The BGT closure sample returned results below the spill closure standards determined for this location. No action is required. 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.

**OIL CONSERVATION DIVISION**

Signature:

Printed Name: James McDaniel, CHMM #15676

Title: EH&S Supervisor

E-mail Address: James.McDaniel@xtoenergy.com

Date: 12/29/2011

\* Attach Addition

Phone: 505-333-3701

Approved by District Supervisor:

Approval Date: 1/4/2012

Expiration Date:

Conditions of Approval:

Attached ☐



15K1200433017

**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

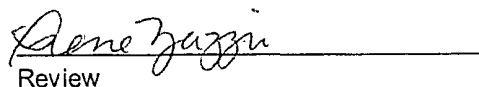
Client:	XTO	Project #:	98031-0528
Sample ID:	BGT	Date Reported:	12-01-11
Laboratory Number:	60477	Date Sampled:	11-30-11
Chain of Custody No:	14031	Date Received:	11-30-11
Sample Matrix:	Soil	Date Extracted:	12-01-11
Preservative:	Cool	Date Analyzed:	12-01-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal Gas Com H #1E**

  
Analyst  
Review

**EPA Method 8015 Modified  
 Nonhalogenated Volatile Organics  
 Total Petroleum Hydrocarbons**

**Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	12-01-11 QA/QC	Date Reported:	12-02-11
Laboratory Number:	60477	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-01-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	12-01-11	1.003E+03	1.004E+03	0.04%	0 - 15%
Diesel Range C10 - C28	12-01-11	1.009E+03	1.009E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	0.7	0.2
Diesel Range C10 - C28	0.5	0.1

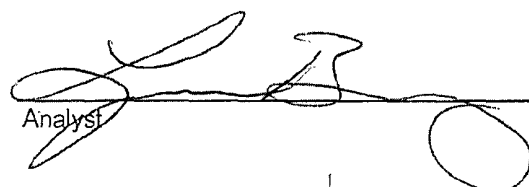
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	ND	ND	0.00%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.00%	0 - 30%

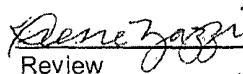
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	253	101%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.3%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,  
 SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 60476-60477

  
 Analyst

  
 Review

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT	Date Reported:	12-01-11
Laboratory Number:	60477	Date Sampled:	11-30-11
Chain of Custody:	14031	Date Received:	11-30-11
Sample Matrix:	Soil	Date Analyzed:	12-01-11
Preservative:	Cool	Date Extracted:	12-01-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	1.2	1.0
p,m-Xylene	2.2	1.2
o-Xylene	3.1	0.9
<b>Total BTEX</b>	<b>6.5</b>	


ND - Parameter not detected at the stated detection limit.

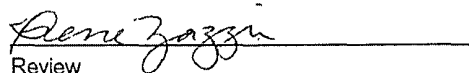
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	105 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	84.6 %

References: Method 5030B, Purge-and-Trap; Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Federal Gas com H #1E

  
 Analyst

  
 Review

Client:	N/A	Project #:	N/A
Sample ID:	1201BBLK QA/QC	Date Reported:	12-01-11
Laboratory Number:	60476	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-01-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept: Range 0 - 15%			
Benzene	2.1763E+007	2.1807E+007	0.2%	ND	0.1
Toluene	2.2400E+007	2.2445E+007	0.2%	ND	0.1
Ethylbenzene	1.9814E+007	1.9853E+007	0.2%	ND	0.1
p,m-Xylene	5.0783E+007	5.0885E+007	0.2%	ND	0.1
o-Xylene	1.8692E+007	1.8730E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	1.4	1.5	7.1%	0 - 30%	1.0
Ethylbenzene	1.7	1.6	5.9%	0 - 30%	1.0
p,m-Xylene	3.1	3.1	0.0%	0 - 30%	1.2
o-Xylene	3.5	3.5	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	497	99.3%	39 - 150
Toluene	1.4	500	486	97.0%	46 - 148
Ethylbenzene	1.7	500	493	98.2%	32 - 160
p,m-Xylene	3.1	1000	986	98.3%	46 - 148
o-Xylene	3.5	500	497	98.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 60476-60477

Analyst

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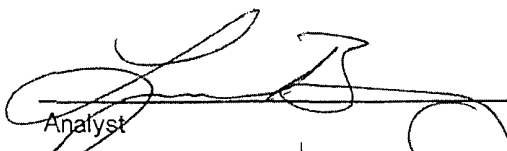
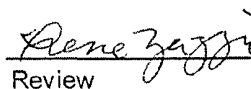
Client:	XTO	Project #:	98031-0528
Sample ID:	BGT	Date Reported:	12-01-11
Laboratory Number:	60477	Date Sampled:	11-30-11
Chain of Custody No:	14031	Date Received:	11-30-11
Sample Matrix:	Soil	Date Extracted:	12-01-11
Preservative:	Cool	Date Analyzed:	12-01-11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	245	18.2

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 Gas Com H #1E**

  
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Analyst  
\_\_\_\_\_  
Review

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	12-02-11
Laboratory Number:	12-02-TPH.QA/QC	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	11-30-11
Preservative:	N/A	Date Extracted:	11-30-11
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	11-30-11	1,760	1,590	9.6%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	21.0

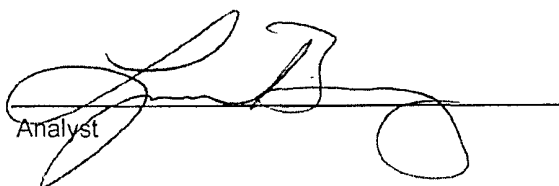
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
TPH	245	252	2.9%	+/- 30%

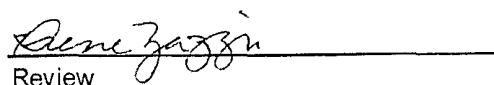
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	245	2,000	2,100	93.5%	80 - 120%

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 60477

  
 Analyst

  
 Review

**Chloride**

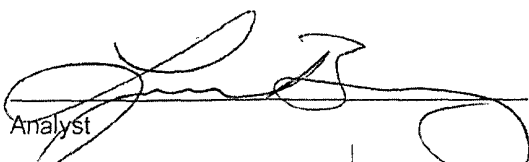
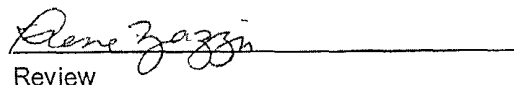
Client:	XTO	Project #:	98031-0528
Sample ID:	BGT	Date Reported:	12-02-11
Lab ID#:	60477	Date Sampled:	11-30-11
Sample Matrix:	Soil	Date Received:	11-30-11
Preservative:	Cool	Date Analyzed:	12-01-11
Condition:	Intact	Chain of Custody:	14031

Parameter	Concentration (mg/Kg)
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**Total Chloride****ND**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Federal Gas Com H #1E**

  
Analyst  
Review



# CHAIN OF CUSTODY RECORD

14031

Client: <b>XTO</b>			Project Name / Location: <b>FEDERAL GAS COM H# 1E</b>			ANALYSIS / PARAMETERS													
Email results to: <b>JAMES MCDANIEL</b>			Sampler Name: <b>JOSH KIRCHNER</b>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact		
Client Phone No.: <b>787 0519</b>			Client No.: <b>98031-0528</b>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HgCl <sub>2</sub>	HCl													
<b>BEH</b>	<b>11-30-11</b>	<b>1200</b>	<b>60477</b>	<b>2 / 402</b>			<b>COOL</b>	<b>✓</b>	<b>✓</b>					<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>		
Relinquished by: (Signature) 				Date <b>11-30</b>	Time <b>1245</b>	Received by: (Signature) 				Date <b>11/30</b>	Time <b>1245</b>								
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.												<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block; margin-left: 20px;"> <b>RUSH</b> </div>							