

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: James McDaniel	RCVD OCT 7 '14
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701	
Facility Name: Davis Gas COM F #1R	Facility Type: Gas Well (Basin Dakota)	OIL CONS. DIV.

Surface Owner: Private	Mineral Owner	API No. 30-045-30833
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LOCATION OF RELEASE

Unit Letter I	Section 27	Township 29N	Range 11W	Feet from the 1785	North/South Line FSL	Feet from the 795	East/West Line FEL	County San Juan
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Latitude: **N 36.69208** Longitude: **W -107.97278**

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: 9/17/2009
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
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.*

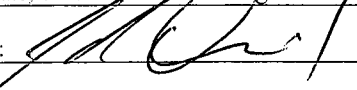
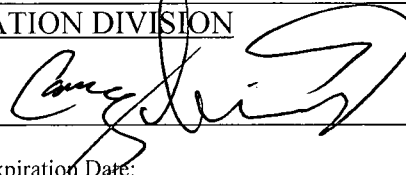
Describe Cause of Problem and Remedial Action Taken.*

The below grade tank was taken out of service at the Davis Gas COM F #1R well site due to an upgrade at this wellsite. 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, Benzene and 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 total chlorides, but above the 100 ppm standard for TPH at 6,120 ppm. The site was then ranked pursuant 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 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.*

Due to TPH results of 6,120 ppm, a release has been confirmed for this location. From October 10-19, approximately 39 CY were excavated from the impacted area, and the area was resampled for TPH via USEPA Method 8015. The sample returned results below the 100 ppm standard determined for this location. 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: 	OIL CONSERVATION DIVISION	
Printed Name: James McDaniel	Approved by Environmental Specialist: 	
Title: EHS Supervisor	Approval Date: 11/12/14	Expiration Date:
E-mail Address: James_McDaniel@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/6/14	Phone: 505-333-3701	

* Attach Additional Sheets If Necessary

#NCS 143 1653541

10



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	BGT Pit	Date Reported:	10-13-09
Laboratory Number:	52041	Date Sampled:	10-09-09
Chain of Custody:	8141	Date Received:	10-09-09
Sample Matrix:	Soil	Date Analyzed:	10-12-09
Preservative:	Cool	Date Extracted:	10-09-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	150	0.9
Toluene	9,970	1.0
Ethylbenzene	3,020	1.0
p,m-Xylene	28,000	1.2
o-Xylene	6,640	0.9
Total BTEX	47,800	

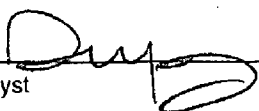
ND - Parameter not detected at the stated detection limit.

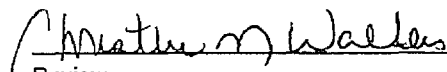
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Davis GC F #1R


Analyst


Review

Client:	N/A	Project #:	N/A
Sample ID:	10-12-BT QA/QC	Date Reported:	10-13-09
Laboratory Number:	52036	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-12-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limit (ug/L)	C-Cal RF	C-Cal RF	%Diff	Blank Conc.	Detect Limit
		Accept Range 0 - 15%			
Benzene	1.0166E+006	1.0187E+006	0.2%	ND	0.1
Toluene	9.3742E+005	9.3930E+005	0.2%	ND	0.1
Ethylbenzene	8.4052E+005	8.4220E+005	0.2%	ND	0.1
p,m-Xylene	2.1244E+006	2.1286E+006	0.2%	ND	0.1
o-Xylene	7.9370E+005	7.9529E+005	0.2%	ND	0.1

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

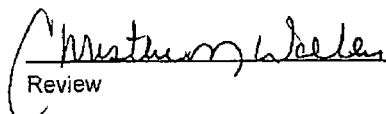
Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	%Recovery	Accept Range
Benzene	ND	50.0	49.5	99.0%	39 - 150
Toluene	ND	50.0	47.6	95.2%	46 - 148
Ethylbenzene	ND	50.0	49.7	99.4%	32 - 160
p,m-Xylene	ND	100	103	102.7%	46 - 148
o-Xylene	ND	50.0	49.8	99.6%	46 - 148

ND - Parameter not detected at the stated detection limit.

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 52020 - 52024, 52036 - 52038, and 52041.


 Analyst


 Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS


Client:	XTO Energy	Project #:	98031-0121
Sample ID:	B.G.T. Pit	Date Reported:	10-13-09
Laboratory Number:	52041	Date Sampled:	10-09-09
Chain of Custody No:	8141	Date Received:	10-09-09
Sample Matrix:	Soil	Date Extracted:	10-09-09
Preservative:	Cool	Date Analyzed:	10-09-09
Condition:	Intact	Analysis Needed:	TPH-418.1

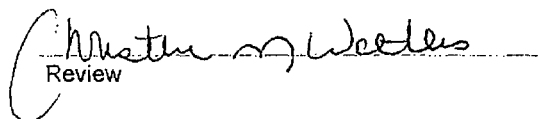
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	6,120	10.4

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: Davis GC F #1R.

Analyst 

Review 



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

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	10-09-09
Laboratory Number:	10-09-TPH.QA/QC 51995	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	10-09-09
Preservative:	N/A	Date Extracted:	10-09-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	08-25-09	10-09-09	1,440	1,400	2.8%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	10.4

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	11.6	13.9	19.8%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	11.6	2,000	2,080	103%	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 51995, 52031, 52032 and 52036 - 52041.

Analyst

Review



Chloride

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	B.G.T. Pit	Date Reported:	10-13-09
Lab ID#:	52041	Date Sampled:	10-09-09
Sample Matrix:	Soil	Date Received:	10-09-09
Preservative:	Cool	Date Analyzed:	10-12-09
Condition:	Intact	Chain of Custody:	8141

Parameter

Concentration (mg/Kg)

Total Chloride

220

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: Davis GC F #1R.

Analyst

Review

CHAIN OF CUSTODY RECORD

8141 Rust

Client: XTO ENERGY			Project Name / Location: DAVIS GC F#1R				ANALYSIS / PARAMETERS													
Client Address: 382 ROAD 3100 AZTEC NM 87410			Sampler Name: KUET				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 333-3207			Client No.: 98031-0121																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H ₂ O ₂ HCl														
B.G.T. Pit	10/9	11:15	52041	(Soil) Solid	Sludge Aqueous	(1) 4oz Jar														
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
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				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
Relinquished by: (Signature) <i>Kurt Hoekstra</i>				Date	Time	Received by: (Signature) <i>James Brian</i>				Date	Time									
Relinquished by: (Signature)						Received by: (Signature)														
Relinquished by: (Signature)						Received by: (Signature)														



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EMAIL RESULTS TO:
KUET HOEKSTRA
KIM CHAMPLIN



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

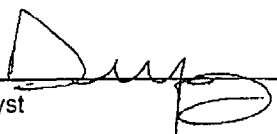
Client:	XTO Energy	Project #:	98031-0121
Sample ID:	BGT Pit	Date Reported:	10-19-09
Laboratory Number:	52118	Date Sampled:	10-15-09
Chain of Custody No:	8143	Date Received:	10-15-09
Sample Matrix:	Soil	Date Extracted:	10-15-09
Preservative:	Cool	Date Analyzed:	10-16-09
Condition:	Intact	Analysis Requested:	8015 TPH

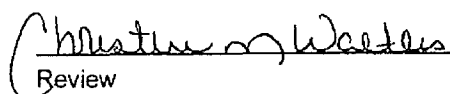
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Davis GC F#1R**


Analyst


Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	10-16-09 QA/QC	Date Reported:	10-19-09
Laboratory Number:	52082	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-16-09
Condition:	N/A	Analysis Requested:	TPH

	Cal Date	1 st Cal RF	2 nd Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9.1103E+002	9.1139E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.5831E+002	9.5870E+002	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	237	94.8%	75 - 125%
Diesel Range C10 - C28	ND	250	232	92.8%	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 52082 - 52085, 52103 - 52106, and 52118.

Analyst

Review

CHAIN OF CUSTODY RECORD

8143 Rush

Client: XTO ENERGY			Project Name / Location: DAVIS GC F#1R			ANALYSIS / PARAMETERS														
Client Address: 382 ROAD 3100 AZTEC NM 87410			Sampler Name: KURT			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.: 333-3207			Client No.: 9803/-0121																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H ₂ O ₂ HQ														
B.G.T. Pit	10/15	2:30	52118	Soil Solid	Sludge Aqueous	(1) 4oz Jar													✓	✓
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
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				Soil Solid	Sludge Aqueous															
Relinquished by: (Signature) <i>Kurt Hoekstra</i>				Date 10/15	Time 2:50	Received by: (Signature) <i>Brandon M. Jantz</i>				Date 10/15/09	Time 2:45									
Relinquished by: (Signature)						Received by: (Signature)														
Relinquished by: (Signature)						Received by: (Signature)														



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E-MAIL RESULTS TO:
KURT HOEKSTRA
Kim CHAMPLIN

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com