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: Fullerton Federal 14 # 33	Facility Type: Gas Well (West Kutz Pictured Cliffs)

RCVD OCT 9 '14
OIL CONS. DIV.

Surface Owner: Federal	Mineral Owner	API No.: 30-045-28356

LOCATION OF RELEASE

DIST. 3

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	14	27N	11W	2420	FSL	1995	FEL	San Juan

Latitude 36.57442 **Longitude** -107.97123

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: 6-11-2009
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.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was removed at the Fullerton Federal 14 # 33 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 standards for benzene, and total BTEX, , but above the TPH Standard of 100ppm at 3,730 ppm via USEPA Method 418.1 and above Chloride Standard of 250 ppm at 600 ppm, 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.* On 10-14-2009 approximately 20 yards of soil was excavated from the BGT cellar and a sample was collected and returned results of < 0.3 ppm TPH via USEPA Method 8015 and 490 ppm total Chloride. This is below the levels outlined in the Guidelines for the Remediation of Leaks, Spills and Releases. 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: Kurt Hoekstra	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: Kurt Hoekstra		
Title: EHS Coordinator	Approval Date: 11/13/14	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 10-8-14 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

*Site Rank 50
PASSED

#NCS1431743331 (11)

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	Fullerton Fed 14#33 BGT Cellar	Date Reported:	06-11-09
Laboratory Number:	50441	Date Sampled:	06-08-09
Chain of Custody:	7188	Date Received:	06-08-09
Sample Matrix:	Soil	Date Analyzed:	06-10-09
Preservative:	Cool	Date Extracted:	06-09-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**7.0**	**0.9**
Toluene	**11.8**	**1.0**
Ethylbenzene	**6.4**	**1.0**
p,m-Xylene	**9.9**	**1.2**
o-Xylene	**7.6**	**0.9**
Total BTEX	**42.7**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**96.0 %**
	1,4-difluorobenzene	**96.0 %**
	Bromochlorobenzene	**96.0 %**

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: **B.G.T. Pit Samples**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	06-10-BT QA/QC	Date Reported:	06-11-09
Laboratory Number:	50427	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-10-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	Cal RF:	CCV Cal RF:	%Diff. Accept. Range: 15%	Blank Conc.	Detect. Limit
Benzene	6.3486E+006	6.3613E+006	0.2%	ND	0.1
Toluene	5.9903E+006	6.0023E+006	0.2%	ND	0.1
Ethylbenzene	5.3215E+006	5.3322E+006	0.2%	ND	0.1
p,m-Xylene	1.3667E+007	1.3694E+007	0.2%	ND	0.1
o-Xylene	5.2098E+006	5.2202E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	3.7	3.8	2.7%	0 - 30%	0.9
Toluene	7.7	7.9	2.6%	0 - 30%	1.0
Ethylbenzene	4.9	5.1	4.1%	0 - 30%	1.0
p,m-Xylene	6.7	6.4	4.5%	0 - 30%	1.2
o-Xylene	5.5	5.3	3.6%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	3.7	50.0	51.9	96.6%	39 - 150
Toluene	7.7	50.0	56.3	97.6%	46 - 148
Ethylbenzene	4.9	50.0	57.3	104%	32 - 160
p,m-Xylene	6.7	100	100	94.0%	46 - 148
o-Xylene	5.5	50.0	54.2	97.7%	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 Sample 50427 and 50441 - 50449.

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	Fullerton Fed 14 #33	Date Reported:	06-10-09
Laboratory Number:	50441	Date Sampled:	06-08-09
Chain of Custody No:	7188	Date Received:	06-08-09
Sample Matrix:	Soil	Date Extracted:	06-09-09
Preservative:	Cool	Date Analyzed:	06-09-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**3,730**	**9.5**

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: **B.G.T. Pit Samples**

Analyst

Review

envirotech
Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	06-10-09
Laboratory Number:	06-09-TPH.QA/QC 50420	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	06-09-09
Preservative:	N/A	Date Extracted:	06-09-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	05-26-09	06-09-09	1,480	1,540	4.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	9.5

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	13.0	13.2	1.5%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	13.0	2,000	1,830	90.9%	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 50420, 50435, 50436 and 50441 - 50447.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

Chloride

Client:	XTO Energy	Project #:	05089-0002
Sample ID:	Fullerton Fed 14 #33	Date Reported:	06-10-09
Lab ID#:	50441	Date Sampled:	06-08-09
Sample Matrix:	Soil	Date Received:	06-08-09
Preservative:	Cool	Date Analyzed:	06-10-09
Condition:	Intact	Chain of Custody:	7188

Parameter	Concentration (mg/Kg)
Total Chloride	**600**

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: **B.G.T. Pit Samples.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD

7188

Client: XTO ENERGY	Project Name / Location: B.G.T. PIT SAMPLES
Client Address: 382 ROAD 3100 AZTEC NM 87410	Sampler Name: KURT
Client Phone No.:	Client No.: 98031-0121 ~~05089-0002~~

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	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
FULLERTON FED 14#33 B.G.T. ~~Pit~~ CELLAR	6/8	10:00	50441	(Soil) Solid Sludge Aqueous	(1) 4oz JAR				X							X	X				✓	✓
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kurt Hoekstra	6-8	4:35	Kendall Aguilar	6/8/09	4:35P
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

EMAIL RESULTS TO:
KURT HOEKSTRA
KIM CHAMPLIN

envirotech
Analytical Laboratory

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

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	BGT Pit	Date Reported:	10-16-09
Laboratory Number:	52080	Date Sampled:	10-14-09
Chain of Custody No:	8142	Date Received:	10-14-09
Sample Matrix:	Soil	Date Extracted:	10-14-09
Preservative:	Cool	Date Analyzed:	10-15-09
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: **Fullerton Federal 14 #33**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA Method 8015 Modified

Nonhalogenated Volatile Organics

Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	10-15-09 QA/QC	Date Reported:	10-16-09
Laboratory Number:	52072	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-15-09
Condition:	N/A	Analysis Requested:	TPH

[illegible]	[illegible]	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	9.7458E+002	9.7497E+002	**0.04%**	**0 - 15%**
Diesel Range C10 - C28	05-07-07	9.4088E+002	9.4126E+002	**0.04%**	**0 - 15%**

Blank Conc. [illegible]	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. [illegible]	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. [illegible]	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	**ND**	**250**	**253**	**101%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**240**	**96.0%**	**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 52065 - 52066, 52072 - 52073, and 52080.**

Analyst

Review

envirotech
Analytical Laboratory

Chloride

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	BGT Pit	Date Reported:	10-16-09
Lab ID#:	52080	Date Sampled:	10-14-09
Sample Matrix:	Soil	Date Received:	10-14-09
Preservative:	Cool	Date Analyzed:	10-15-09
Condition:	Intact	Chain of Custody:	8142

Parameter	Concentration (mg/Kg)
Total Chloride	**490**

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: **Fullerton Federal 14 #33.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD

8142 Rush

Client: XTO ENERGY	Project Name / Location: FULLERTON FEDERAL 14 #33
Client Address: 382 ROAD 3100 AZTEC NM 87410	Sampler Name: KURT
Client Phone No.: 333-3207	Client No.: 98031-0121

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	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
B.G.T. PIT	10/14	1:30	52080	(Soil) Sludge Solid Aqueous	(1) 4oz JAR			X									X				✓	✓
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		
				Soil Sludge Solid Aqueous																		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kurt Hoekstra [signature]	10/14	2:08	[signature]	10.14.09	1408
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

envirotech
Analytical Laboratory

E-MAIL RESULTS TO:
KURT HOEKSTRA
KIM CHAMPLIN:

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