

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: L C Kelly #20 (30-045-33441)	Facility Type: Gas Well (Dakota)	
Surface Owner: Federal	Mineral Owner:	Lease No.:

LOCATION OF RELEASE

Unit Letter N	Section 3	Township 30N	Range 12W	Feet from the 815	North/South Line FSL	Feet from the 2515	East/West Line FWL	County San Juan
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Latitude: 36.8362 Longitude: -108.0861

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 15 bbls	Volume Recovered: 15 bbls
Source of Release: Leaking Below Grade Tank	Date and Hour of Occurrence: April 12, 2011	Date and Hour of Recovery: April 20, 2011 0900
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell	
By Whom? James McDaniel	Date and Hour: April 21, 2011 - 0816	
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.*

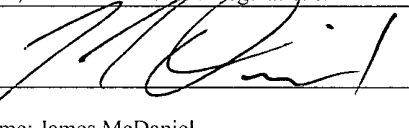
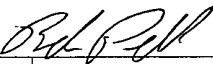
Describe Cause of Problem and Remedial Action Taken.*

On April 12, 2011, a water leak was noticed at the L C Kelly #20 well site. An estimated 15 bbls was released into the pit cellar. The well was shut in, the tank and cellar were emptied, and the tank was removed from the cellar for repairs. On April 20th, 2011, James McDaniel was notified of the leak, and reported it after he was notified. The site was ranked a 10 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases, due to an estimated depth to groundwater of over 50 feet.

Describe Area Affected and Cleanup Action Taken.*

On April 20, 2011, a composite sample was collected in the bottom of the pit cellar. The bottom of the pit cellar was a very hard quartz stone, and could not be removed easily for sampling purposes. The sample was analyzed for DRO/GRO via USEPA Method 8015, BTEX via USEPA Method 8021, and for chlorides. The sample returned results of non-detect for DRO/GRO and BTEX, and 500 ppm total chlorides. Due to the depth to groundwater of over 50 feet, and the dense bedrock beneath the pit cellar, XTO does not believe that these levels pose a threat to human health and the environment. No further work will be performed. The wooden pit cellar is being replaced by a steel ring pit cellar with a lined bottom. 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: James McDaniel		Approved by District Supervisor: 	
Title: EH&S Coordinator		Approval Date: <u>4-29-11</u>	Expiration Date:
E-mail Address: James_McDaniel@xtoenergy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/25/2011	Phone: 505-333-3701	<u>nJK1122428638</u>	



XTO Energy On-Site Form

Well Name LC Kemy #20 API # 30-045-33441

Section 3 Township 30N Range 12W County San Juan

Contractors On-Site _____ Time On-Site 10:45 Time Off-Site 11:30

Spill Amount 15 bbls Spilled (Oil / Produced Water / Other _____)

Land Use (Grazing) Residential / Tribe _____) Excavation 22' x 18' x 7' deep
Est. 22yds

Site Diagram	Sample Location
Comments	Number of Photos Taken <u>2</u>

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
11:00		COMPOSITE	WET	N/A	8015, 8021, CALORIDE
11:00		COMPOSITE	WET	N/A	418.1

Name (Print) KURT HOFKSTRA Date 4-20-11

Name (Signature) Kurt Hofkstra Company XTO ENERGY

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar	Date Reported:	04-21-11
Laboratory Number:	57940	Date Sampled:	04-20-11
Chain of Custody No:	11591	Date Received:	04-20-11
Sample Matrix:	Soil	Date Extracted:	04-20-11
Preservative:	Cool	Date Analyzed:	04-21-11
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	

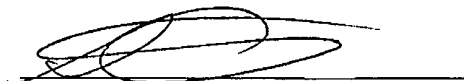
ND - Parameter not detected at the stated detection limit.

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

Comments: **LC Kelly #20**



Analyst



Review

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

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-21-11 QA/QC	Date Reported:	04-21-11
Laboratory Number:	57940	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-21-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-21-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	04-21-11	9.9960E+002	1.0000E+003	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

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	240	96.1%	75 - 125%
Diesel Range C10 - C28	ND	250	238	95.3%	75 - 125%

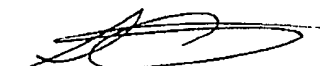
ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 57938, 57940, 57943-57944



Analyst



Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar	Date Reported:	04-21-11
Laboratory Number:	57940	Date Sampled:	04-20-11
Chain of Custody:	11591	Date Received:	04-20-11
Sample Matrix:	Soil	Date Analyzed:	04-21-11
Preservative:	Cool	Date Extracted:	04-20-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	90.6 %
	1,4-difluorobenzene	89.3 %
	Bromochlorobenzene	85.7 %

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: LC Kelly #20

Analyst

Review

Client:	N/A	Project #:	N/A
Sample ID:	0421BBLK QA/QC	Date Reported:	04-21-11
Laboratory Number:	57940	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-21-11
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	1.2339E+005	1.2363E+005	0.2%	ND	0.1
Toluene	1.3602E+005	1.3630E+005	0.2%	ND	0.1
Ethylbenzene	1.1381E+005	1.1404E+005	0.2%	ND	0.1
p,m-Xylene	2.6527E+005	2.6580E+005	0.2%	ND	0.1
o-Xylene	1.1006E+005	1.1028E+005	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	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/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	476	95.2%	39 - 150
Toluene	ND	500	505	101%	46 - 148
Ethylbenzene	ND	500	500	100%	32 - 160
p,m-Xylene	ND	1000	985	98.5%	46 - 148
o-Xylene	ND	500	537	107%	46 - 148

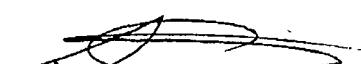
ND - Parameter not detected at the stated detection limit.

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 57938, 57940, 57942-57944


 Analyst


 Review

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar	Date Reported:	04/21/11
Lab ID#:	57940	Date Sampled:	04/20/11
Sample Matrix:	Soil	Date Received:	04/20/11
Preservative:	Cool	Date Analyzed:	04/21/11
Condition:	Intact	Chain of Custody:	11591

Parameter	Concentration (mg/Kg)
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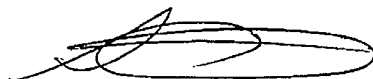
Total Chloride**500**

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: **LC Kelly #20**



Analyst



Review

CHAIN OF CUSTODY RECORD

11591

Client: XTO			Project Name / Location: LC Kelly #20			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: Kurt Hoekstra																
Client Phone No.:			Client No.: 98031-0528																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	PCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact	
BGT Cellar	4/20/11	1100	57940	Soil Solid	1/4oz		X	X								X			
				Soil Solid															
				Soil Solid															
				Soil Solid															
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RUSH



envirotech
Analytical Laboratory