

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

30-045-29750

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) 333-3202
Facility Name: WF State 16-1 (API 30-045-29750)	Facility Type: Gas Well

Surface Owner: State	Mineral Owner:	Lease No.: B 11242-47
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LOCATION OF RELEASE

Unit Letter M	Section 16	Township 30 N	Range 14W	Feet from the 930	North/South Line FSL	Feet from the 1115	East/West Line FWL	County San Juan
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Latitude: N36.80941 Longitude: W-108.31975

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 20 BBL	Volume Recovered: None
Source of Release: 3" Ball Valve	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: March 27, 2012
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? RCVD APR 10 '12	
By Whom?	Date and Hour: OIL CONSV. 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.*

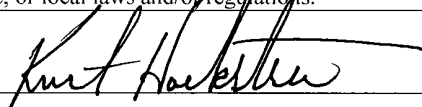
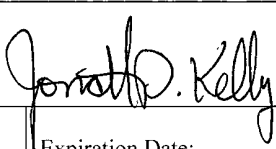
Describe Cause of Problem and Remedial Action Taken.*

There was a water leak at the W.F. STATE 16-1 water manifold. A SJ NGO Mechanic investigated, identifying that the 3" KF 300 ball valve was split in the middle. Approximately 20 BBLs of produced water were lost traveling down a small drainage feature approximately 75 feet, none being recovered. Soil samples were taken. The NGO Mechanic then contacted Riley Industrial services inc. to hydro excavate the 4" .409 WALL SDR 11 poly water line. OFT Construction was then contacted to squeeze off the 4" poly water line to remove the split valve and replace it with a blind flange and gasket. The line was put back into service using an existing 2" threaded Balon ball valve that was on the manifold and was not damaged. The NMOCD ranking for this location is 10 due to the depth to ground water of 50 to 100 feet, and a distance to a watercourse of over 1000 feet. Distance to the closest significant watercourse, is 3 miles SE of Youngs Lake, 5 miles west of Jackson Lake.

Describe Area Affected and Cleanup Action Taken.*

On March 27, 2012, samples were collected from the spill area and in the small drainage feature. An additional sample was collected for background. The spill composite samples were analyzed for BTEX and DRO/GRO and BTEX, as well as Chlorides. The background was analyzed for chlorides only. The spill composite samples returned results of non-detect for DRO/GRO and 0.0437 ppm total BTEX at the spill source and 0.011 ppm total BTEX in the small drainage feature. The spill source returned results of 180 ppm chlorides, while the drainage feature returned results of 280 ppm chlorides. Background levels were determined to be 20 ppm chloride. Due to the NMOCD ranking, and the 3 mile distance to Youngs Lake, XTO believes that these chloride levels do not pose a threat to human health and the environment. Analytical results, and the spill assessment field sheet, 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: Kurt Hoekstra	Approved by District Supervisor: 	
Title: Sr. Environmental Technician	Approval Date: 4/9/2012	Expiration Date:
E-mail Address: Kurt.Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/9/2012	Phone: 505-333-3202	

nJK1211038487

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Source ,	Date Reported:	03-28-12
Laboratory Number:	61533	Date Sampled:	03-27-12
Chain of Custody No:	13648	Date Received:	03-27-12
Sample Matrix:	Solid	Date Extracted:	03-28-12
Preservative:		Date Analyzed:	03-28-12
Condition:	Intact	Analysis Requested:	8015 TPH

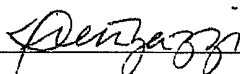
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

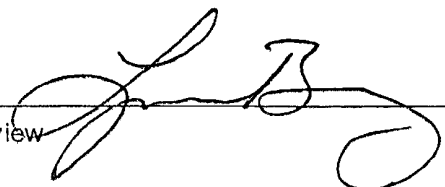
References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **WF State 16 #1**

Analyst



Review



Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Wash	Date Reported:	03-28-12
Laboratory Number:	61534	Date Sampled:	03-27-12
Chain of Custody No:	13648	Date Received:	03-27-12
Sample Matrix:	Solid	Date Extracted:	03-28-12
Preservative:		Date Analyzed:	03-28-12
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: **WF State 16 #1**



Analyst



Review

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0328TCAL QA/QC	Date Reported:	03-28-12
Laboratory Number:	61528	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-28-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	03-28-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	03-28-12	9.9960E+02	1.0000E+03	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	

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	291	116%	75 - 125%
Diesel Range C10 - C28	ND	250	289	116%	75 - 125%

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 61491-61492, 61510-61518, 61528-61530 and 61533-61534

Analyst

Review

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Source	Date Reported:	03-28-12
Laboratory Number:	61533	Date Sampled:	03-27-12
Chain of Custody:	13648	Date Received:	03-27-12
Sample Matrix:	Solid	Date Analyzed:	03-28-12
Preservative:		Date Extracted:	03-28-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	11.8	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	16.6	10.0
o-Xylene	15.3	10.0
Total BTEX	43.7	

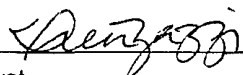
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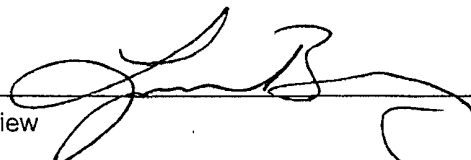
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	110 %
	1,4-difluorobenzene	108 %
	Bromochlorobenzene	109 %

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: WF State 16 #1


 Analyst


 Review

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Wash	Date Reported:	03-28-12
Laboratory Number:	61534	Date Sampled:	03-27-12
Chain of Custody:	13648	Date Received:	03-27-12
Sample Matrix:	Solid	Date Analyzed:	03-28-12
Preservative:		Date Extracted:	03-28-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	11.0	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	11.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	106 %
	1,4-difluorobenzene	110 %
	Bromochlorobenzene	102 %

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: WF State 16 #1

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0328BCAL QA/QC	Date Reported:	03-29-12
Laboratory Number:	61491	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-28-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
Accept. Range 0-15%					
Benzene	5.2548E-06	5.2548E-06	0.000	ND	0.2
Toluene	5.0348E-06	5.0348E-06	0.000	ND	0.2
Ethylbenzene	5.6748E-06	5.6748E-06	0.000	ND	0.2
p,m-Xylene	4.2525E-06	4.2525E-06	0.000	ND	0.2
o-Xylene	6.0959E-06	6.0959E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	16.1	16.0	0.01	0 - 30%	10
Toluene	159	189	0.18	0 - 30%	10
Ethylbenzene	26.4	27.1	0.03	0 - 30%	10
p,m-Xylene	155	168	0.09	0 - 30%	10
o-Xylene	48.0	50.6	0.05	0 - 30%	10

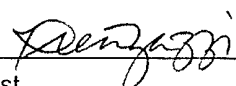
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	16.1	2500	2740	109	39 - 150
Toluene	159	2500	3130	118	46 - 148
Ethylbenzene	26.4	2500	2730	108	32 - 160
p,m-Xylene	155	5000	5710	111	46 - 148
o-Xylene	48.0	2500	2770	109	46 - 148

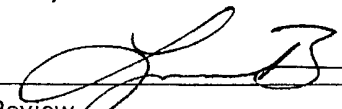
ND - Parameter not detected at the stated detection limit.

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 61491-61492, 61491, and 61533-61534


Analyst


Review

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Source	Date Reported:	03-28-12
Lab ID#:	61533	Date Sampled:	03-27-12
Sample Matrix:	Solid	Date Received:	03-27-12
Preservative:		Date Analyzed:	03-28-12
Condition:	Intact	Chain of Custody:	13648

Parameter	Concentration (mg/Kg)
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Total Chloride**180**

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: **WF State 16 #1**


Analyst
Review

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Wash	Date Reported:	03-28-12
Lab ID#:	61534	Date Sampled:	03-27-12
Sample Matrix:	Solid	Date Received:	03-27-12
Preservative:		Date Analyzed:	03-28-12
Condition:	Intact	Chain of Custody:	13648

Parameter	Concentration (mg/Kg)
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Total Chloride**280**

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: **WF State 16 #1**

Analyst

Review

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	Background	Date Reported:	03-28-12
Lab ID#:	61535	Date Sampled:	03-27-12
Sample Matrix:	Solid	Date Received:	03-27-12
Preservative:		Date Analyzed:	03-28-12
Condition:	Intact	Chain of Custody:	13648

Parameter	Concentration (mg/Kg)
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Total Chloride**20**

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.

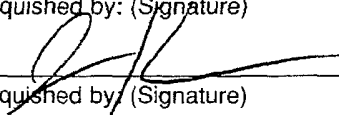
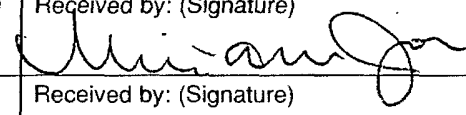
Comments: **WF State 16 #1**


Analyst

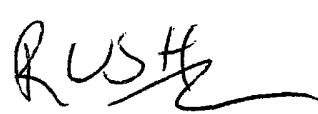
Review

CHAIN OF CUSTODY RECORD

13648

Client: XTO ENERGY			Project Name / Location: WF STATE 16 #1			ANALYSIS / PARAMETERS													
Email results to: JOSHUA@NELSONREVEAL.COM			Sampler Name: JKIRCHNER			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.: 034-4272			Client No.: 98031-0528																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HgCl ₂	HCl													
SPILL SOURCE	3-27-12	1620	Q1533	1 4oz			✓	✓							✓			N	X
WASH	3-27-12	1620	Q1534	1 4oz			✓	✓							✓			H	X
BACKGROUND	3-27-12	1630	Q1535	1 BAG											✓			H	X
Relinquished by: (Signature) 					Date 3-27-12	Time 1715	Received by: (Signature) 										Date 3-27-12	Time 1715	
Relinquished by: (Signature)							Received by: (Signature)												
Sample Matrix Soil <input type="checkbox"/> Solid <input checked="" 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



Nelson Revegetation On-Site Form

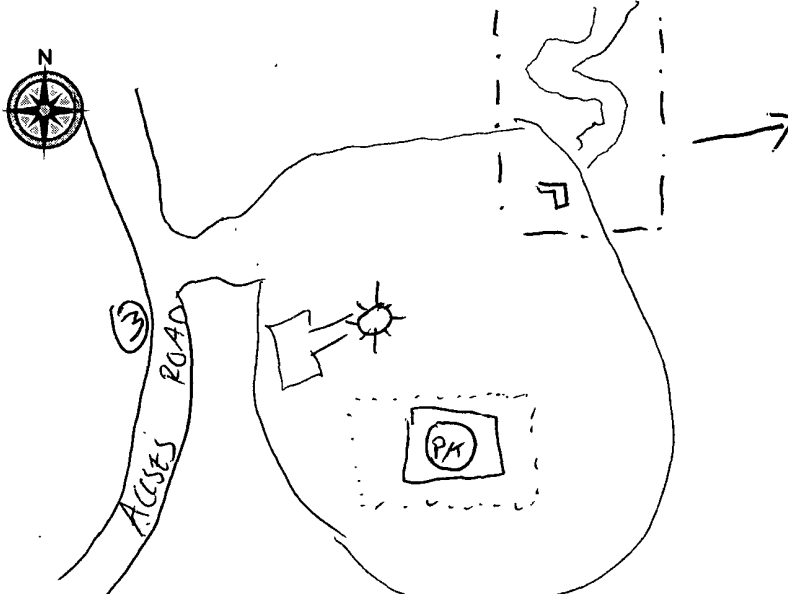
Well Name WF STATE #16 #001 API# 30-045-29750

Section 16(N) Township 30N Range 14W County SAN JUAN

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

Land Use (Grazing / Residential / Tribe GRAZING) Excavation - x - x - Deep

Site Ranking _____ NMOCD TPH Closure Standard 100



Sample Location

Sample Location

Sample Location

Comments SAMPLE 2 WAS COLLECTED AS A COMPOSITE FROM THE WASH.

			Method 418.1					
Time	Sample #	Description	Wt	Reading	Dilution	TPH	VOC	Lab Analysis
1620	1	SOURCE						8015, 8021, CHL
1620	2	WASH						8015, 8021, CHL
1630	3	BACKGROUND						CHL

Name JOSH KIRCHNER Sign JK

Date 3-27 Time On-Site 1530 Time Off-Site 1635 Page 1 of 1